PRS/PROG/0032

Annual Document of Polychlorinated Biphenyls (PCBs) at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, for January 1, 2009–December 31, 2009

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Annual Document of Polychlorinated Biphenyls (PCBs) at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, for January 1, 2009–December 31, 2009

Date Issued—June 2010

Prepared for the
U.S. Department of Energy
Office of Environmental Management

PADUCAH REMEDIATION SERVICES, LLC
managing the Environmental Management activities at the
Paducah Gaseous Diffusion Plant
under contract DE-AC30-06EW05001
for the
U.S. DEPARTMENT OF ENERGY

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PREFACE

This *Annual Document of Polychlorinated Biphenyls (PCBs) at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, for January 1, 2009–December 31, 2009*, was prepared to meet applicable requirements of the Toxic Substances Control Act as codified in the *Code of Federal Regulations*, Title 40, Part 761, Subpart J. The mailing address for the U.S. Department of Energy Paducah Gaseous Diffusion Plant is P.O. Box 1410, Paducah, Kentucky 42002-1410, the physical address is 5600 Hobbs Road, Kevil, Kentucky, 42053, and the U.S. Environmental Protection Agency Identification Number is KY8-890-008-982.

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CONTENTS

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TABLES

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ACRONYMS

CD	certificate of disposal
CFR	*Code of Federal Regulations*
CY	calendar year
DOE	U.S. Department of Energy
DSSI	Diversified Scientific Services, LLC
EPA	U.S. Environmental Protection Agency
FFCA	Federal Facilities Compliance Agreement
HQ	headquarters
PCB	polychlorinated biphenyl
PGDP	Paducah Gaseous Diffusion Plant
RCRA	Resource Conservation and Recovery Act
TSCA	Toxic Substances Control Act
UE	uranium enrichment
USEC	United States Enrichment Corporation

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EXECUTIVE SUMMARY

This *Annual Document of Polychlorinated Biphenyls (PCBs) at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, for January 1, 2009–December 31, 2009,* (Annual Document) addresses two main areas—PCBs in use (e.g., transformers and capacitors) and PCB wastes (e.g., drummed liquid and solid waste), as required by 40 *CFR* § 761.180(a), *Records and Monitoring*. This Annual Document covers the period from January 1, 2009, through December 31, 2009.

The following summarizes the PCB items and activity at the Paducah Gaseous Diffusion Plant (PGDP) for calendar year (CY) 2009:

PCB transformers in service as of 12/31/09	67
Total PCBs in kg in PCB transformers	283,385.4
PCB-contaminated transformers in service as of 12/31/09	9
Large PCB capacitors in service as of 12/31/09	386
PCB-contaminated electrical equipment in service as of 12/31/09	7
PCB waste in kg generated in CY 2009	203,978
PCB waste in kg shipped off-site for treatment/disposal	249,313
PCB waste in kg treated on-site in CY 2009	0
PCB waste in kg in storage as of 12/31/09	209,427

Throughout CY 2009, PGDP generated 74 shipments of PCB waste to 2 separate treatment/disposal facilities. PGDP sent 385 containers of PCB waste to Energy*Solutions* of Clive, Utah, for disposal and 16 containers to Diversified Scientific Services, Inc. Diversified Scientific Services, LLC, facility in Kingston, Tennessee.

This Annual Document provides inspection records, manifests, and other information and also documents activities related to PCBs at PGDP in CY 2009. Appendix A contains PCB Electrical Equipment tables, and Appendix B provides the PCB Waste Summary along with the detail of activities associated with PCBs during CY 2009. Appendix C contains copies of manifests for PCB waste shipped for disposal in CY 2009. Appendix D contains Certificates of Disposal (CDs) received for PCB waste disposed in CY 2009 and CDs for PCB waste disposed prior to CY 2009 that were not included in previous TSCA reports.

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1. COMPLIANCE HISTORY

During early 1990, U.S. Department of Energy (DOE)/Headquarters (HQ) began negotiating a Federal Facilities Compliance Agreement (FFCA) with the U.S. Environmental Protection Agency (EPA)/HQ. The purpose of the negotiation was to achieve compliance with the Toxic Substances Control Act (TSCA) at Paducah, Portsmouth, and the former Oak Ridge K-25 Site. The TSCA FFCA was needed to allow the facilities time to achieve compliance with TSCA regulations in the following areas:

- Use of ventilation duct gaskets;
- Investigation of historic polychlorinated biphenyl (PCB) disposal sites;
- Use and removal of leaking PCB potential devices;
- Air sampling;
- PCB spill cleanup;
- Storage of PCB waste;
- Maintenance/servicing of PCB-contaminated electrical cables and associated equipment;
- Disposal of PCB waste;
- Worker safety measures; and
- Removal of C-340 PCB hydraulic systems.

The Uranium Enrichment (UE) TSCA FFCA was signed and went into effect on February 20, 1992. The UE TSCA FFCA provides a negotiated schedule to cleanup, remove, and properly manage PCB wastes and contaminated items in accordance with TSCA regulations. Information pertaining to the UE TSCA FFCA is provided to EPA-HQ in an annual compliance report.

During calendar year (CY) 2009, a total of 401 containers of solid and liquid PCB wastes with a total combined weight of approximately 209,427 kg,[1] was shipped either for disposal at Energy*Solutions* Disposal Facility in Clive, Utah, or the Diversified Scientific Services, LLC, (DSSI) Facility in Kingston, Tennessee. Twenty-eight certificates of disposal (CDs) were received for 27 shipments in CY 2009 and from previous years for waste disposed of at Energy Solutions Disposal Facility in Clive, Utah, DSSI Facility in Kingston, Tennessee, or DOE K-25 Site TSCA Incinerator (East Tennessee Technology Park). The remainder of the containers shipped in 2009 did not receive CDs by the end of the CY.

[1] Weight and number of containers reported reflect information taken from actual manifests.

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2. RADIOLOGICAL CONTAMINATION

Due to the nature and history of operations at Paducah Gaseous Diffusion Plant (PGDP), all PCB waste is suspected of being radiologically contaminated, and all PCB waste is considered potentially radiologically contaminated until it is certified otherwise. DOE has ongoing programs to characterize the radiological contamination of waste so that it can be disposed of appropriately. As stated in the UE TSCA FFCA, the date that a potentially radiologically contaminated PCB waste is determined not to be radiologically contaminated is the date that it is considered to be removed from service. That is also the date that triggers the beginning of the storage for disposal time period of 40 *CFR* § 761.65.

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3. EFFORTS TO DISPOSE OF PCB WASTES

The current life cycle baseline includes the following future TSCA disposal activity:

- Dispose of ~40,000 ft^3 in CY 2010.

DOE received 28 CDs for 133,109 kg of PCB waste shipped on 27 manifests and disposed of in CY 2009. Table 3.1 provides detailed information regarding waste disposed in 2009.

Table 3.1. Summary of PCB Waste Disposed of in CY 2009

Manifest	No. of Containers	Weight (kg)	Disposal Location	Disposal Date
001754676	1	9925	Energy*Solutions* Landfill, Clive, UT	1/29/2009
001754677	1	9707	Energy*Solutions* Landfill, Clive, UT	1/29/2009
001754678	1	9906	Energy*Solutions* Landfill, Clive, UT	2/6/2009
001754679	1	9888	Energy*Solutions* Landfill, Clive, UT	2/6/2009
001754680	1	9271	Energy*Solutions* Landfill, Clive, UT	1/29/2009
001754683	1	8809	Energy*Solutions* Landfill, Clive, UT	2/25/2009
001754684	1	8909	Energy*Solutions* Landfill, Clive, UT	2/25/2009
001754685	1	9389	Energy*Solutions* Landfill, Clive, UT	3/18/2009
001754686	1	7003	Energy*Solutions* Landfill, Clive, UT	3/18/2009
001754693	77	7789	Energy*Solutions* Landfill, Clive, UT	2/25/2009
001754694	1	9470	Energy*Solutions* Landfill, Clive, UT	3/10/2009
001754695	1	7566	Energy*Solutions* Landfill, Clive, UT	3/10/2009
001754699	1	8	Energy*Solutions* Landfill, Clive, UT	4/28/2009
001754701	1	8	Energy*Solutions* Landfill, Clive, UT	6/11/2009
001754704	9	478	Energy*Solutions* Landfill, Clive, UT	4/28/2009
001754706	1	10	Energy*Solutions* Landfill, Clive, UT	4/28/2009
001754709	16	3292	DSSI, Kingston, TN[2]	6/19/2009
001754730	1	6568	Energy*Solutions* Landfill, Clive, UT	6/19/2009
001754743	13	1352	Energy*Solutions* Landfill, Clive, UT	8/19/2009
001754748	1	170	Energy*Solutions* Landfill, Clive, UT	8/19/2009
001754751	4	290	Energy*Solutions* Landfill, Clive, UT	8/19/2009
001754753	5	734	Energy*Solutions* Landfill, Clive, UT	8/19/2009
001754759	1	59	Energy*Solutions* Landfill, Clive, UT	8/21/2009
001754760	20	3413	DSSI, Kingston, TN	10/26/2009
001754760	2	76	DSSI, Kingston, TN	11/13/2009
001754804	1	1230	Energy*Solutions* Landfill, Clive, UT	10/14/2009
00693-11C	18	3820	ETTP[3]	6/3/2009
00793	11	3969	ETTP	3/6/2009
27	**193**	**133,109**		**28**

[2] Diversified Scientific Services, Inc., Kingston, TN
[3] DOE K-25 Site, Oak Ridge, TN

Appendix C contains copies of signed manifests generated by PGDP for PCB waste shipped off-site for disposal during CY 2009. The PCB information required under 40 *CFR* §761.207(a) may appear as a single page continuation page or may be included in the manifest attachments.

Appendix D contains copies of CDs received during CY 2009 and those received prior to 2009 that may not have been reported in TSCA reports. Copies of the original manifests are included along with the CDs in Appendix D for those wastes shipped in previous years.

4. PCB TRANSFORMER MAINTENANCE RECORDS

The United States Enrichment Corporation (USEC) Electrical Maintenance organization did not identify any maintenance activities for PCB transformers in CY 2009.

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5. PCB TRANSFORMER INSPECTION RECORDS

This section contains the quarterly inspections of PCB transformers performed by USEC to meet the requirements of 40 *CFR* § 761.30(a)(1)(ix). Other inspections performed during the year required under 40 *CFR* § 761.30(a)(1)(x), if any, are maintained by USEC.

USEC PCB Transformer Quarterly Inspections

Unit #	Serial #	PCB Spill /Leak Present?	Combustibles within 5 meters of Transformer?	Unit #	Serial #	PCB Spill /Leak Present?	Combustibles within 5 meters of Transformer?
71P9A	B983139	N☑ Y ☐	N☑ Y ☐	72P6A	RIA0004	N☐ Y ☑ 799	N☑ Y ☐
71P9B	B983122	N☑ Y ☐	N☑ Y ☐	72P4B	B983214	N☑ Y ☐	N☑ Y ☐
71P7A	B983140	N☑ Y ☐	N☑ Y ☐	72P4A	RIA0022	N☑ Y ☐	N☑ Y ☐
71P7B	B983141	N☑ Y ☐	N☑ Y ☐	72P2B	RID0128	N☑ Y ☐	N☑ Y ☐
71P5A	B983120	N☐ Y ☑ #802	N☑ Y ☐	72P2A	RIB0059	N☑ Y ☐	N☑ Y ☐
71P5B	B983114	N☑ Y ☐	N☑ Y ☐	76P1B	B983180	N☑ Y ☐	N☑ Y ☐
71P3A	B983158	N☑ Y ☐	N☑ Y ☐	76P1A	B983174	N☑ Y ☐	N☑ Y ☐
71P3B	B983161	N☑ Y ☐	N☑ Y ☐	76P3B	B983189	N☑ Y ☐	N☑ Y ☐
71P1A	B983183	N☑ Y ☐	N☑ Y ☐	76P3A	B983186	N☑ Y ☐	N☑ Y ☐
71P1B	B983184	N☑ Y ☐	N☑ Y ☐	76P5B	B983195	N☑ Y ☐	N☑ Y ☐
71P2A	B983170	N☑ Y ☐	N☑ Y ☐	76P5A	B983197	N☑ Y ☐	N☑ Y ☐
71P2B	B983173	N☑ Y ☐	N☑ Y ☐	76P7B	B983181	N☑ Y ☐	N☑ Y ☐
71P4A	B983160	N☑ Y ☐	N☑ Y ☐	76P7A	B983199	N☑ Y ☐	N☑ Y ☐
71P4B	B983175	N☐ Y ☑ 719	N☑ Y ☐	76P9B	B983200	N☑ Y ☐	N☑ Y ☐
71P6A	B983163	N☑ Y ☐	N☑ Y ☐	76P9A	B983194	N☑ Y ☐	N☑ Y ☐
71P6B	B983169	N☑ Y ☐	N☑ Y ☐	76P10B	B983172	N☑ Y ☐	N☑ Y ☐
71P8A	B983229	N☑ Y ☐	N☑ Y ☐	76P10A	B983179	N☑ Y ☐	N☑ Y ☐
71P8B	B983206	N☑ Y ☐	N☑ Y ☐	76P8B	B983178	N☑ Y ☐	N☑ Y ☐
71P10A	B983176	N☑ Y ☐	N☑ Y ☐	76P8A	B983182	N☑ Y ☐	N☑ Y ☐
71P10B	B983187	N☐ Y ☑ 785	N☑ Y ☐	76P6B	B983192	N☑ Y ☐	N☑ Y ☐
72P1B	RIC0091	N☑ Y ☐	N☑ Y ☐	76P6A	B983188	N☑ Y ☐	N☑ Y ☐
72P1A	B983158	N☑ Y ☐	N☑ Y ☐	76P4B	B983191	N☑ Y ☐	N☑ Y ☐
72P3B	B983218	N☑ Y ☐	N☑ Y ☐	76P4A	B983190	N☑ Y ☐	N☑ Y ☐
72P3A	B983125	N☑ Y ☐	N☑ Y ☐	76P2B	B983193	N☑ Y ☐	N☑ Y ☐
72P5B	B983168	N☑ Y ☐	N☑ Y ☐	76P2A	B983185	N☑ Y ☐	N☑ Y ☐
72P5A	B983167	N☑ Y ☐	N☑ Y ☐	Spare	RIJ1187	N☑ Y ☐	N☑ Y ☐
72P7B	B983201	N☑ Y ☐	N☑ Y ☐	Spare	B983576	N☑ Y ☐	N☑ Y ☐
72P7A	B983202	N☑ Y ☐	N☑ Y ☐	Spare	B159549	N☑ Y ☐	N☑ Y ☐
72P9B	B983159	N☑ Y ☐	N☑ Y ☐	Spare	B983138	N☑ Y ☐	N☑ Y ☐
72P9A	B983162	N☑ Y ☐	N☑ Y ☐	Spare	B983130	N☑ Y ☐	N☑ Y ☐
72P10B	RHI0443	N☑ Y ☐	N☑ Y ☐	Spare	B983145	N☑ Y ☐	N☑ Y ☐
72P10A	RHK0578	N☑ Y ☐	N☑ Y ☐	Spare	B983142	N☑ Y ☐	N☑ Y ☐
72P8B	RIJL101	N☐ Y ☑ 748	N☑ Y ☐			N☐ Y ☐	N☐ Y ☐
72P8A	RHI0472	N☑ Y ☐	N☑ Y ☐			N☐ Y ☐	N☐ Y ☐
72P6B	RHL0660	N☑ Y ☐	N☑ Y ☐			N☐ Y ☐	N☐ Y ☐

☑ PCB M_L are attached to each side of each PCB transformer listed above.

☑ PCB M_L are attached to all entrances to C337 building.

#802 is active #719 is active #785 is active #748 is inactive, ongoing cleanup
#799 is active
No new spills found.

Inspected By: ME DY Badge # 61055 Date: 3-20-09

USEC PCB Transformer Quarterly Inspections

Unit #	Serial #	PCB Spill /Leak Present?	Combustibles within 5 meters of Transformer?	Unit #	Serial #	PCB Spill /Leak Present?	Combustibles within 5 meters of Transformer?
71P9A	B983139	N☑ Y ☐	N☑ Y ☐	72P6A	RIA0004	N☐ Y☑ 799	N☑ Y ☐
71P9B	B983122	N☑ Y ☐	N☑ Y ☐	72P4B	B983214	N☑ Y ☐	N☑ Y ☐
71P7A	B983140	N☐ Y☑ 822	N☑ Y ☐	72P4A	RIA0022	N☑ Y ☐	N☑ Y ☐
71P7B	B983141	N☑ Y ☐	N☑ Y ☐	72P2B	RID0128	N☑ Y ☐	N☑ Y ☐
71P5A	B983120	N☐ Y☑ 802	N☑ Y ☐	72P2A	RIB0059	N☑ Y ☐	N☑ Y ☐
71P5B	B983114	N☑ Y ☐	N☑ Y ☐	76P1B	B983180	N☑ Y ☐	N☑ Y ☐
71P3A	B983158	N☑ Y ☐	N☑ Y ☐	76P1A	B983174	N☑ Y ☐	N☑ Y ☐
71P3B	B983161	N☑ Y ☐	N☑ Y ☐	76P3B	B983189	N☑ Y ☐	N☑ Y ☐
71P1A	B983183	N☑ Y ☐	N☑ Y ☐	76P3A	B983186	N☑ Y ☐	N☑ Y ☐
71P1B	B983184	N☑ Y ☐	N☑ Y ☐	76P5B	B983195	N☑ Y ☐	N☑ Y ☐
71P2A	B983170	N☑ Y ☐	N☑ Y ☐	76P5A	B983197	N☑ Y ☐	N☑ Y ☐
71P2B	B983173	N☑ Y ☐	N☑ Y ☐	76P7B	B983181	N☑ Y ☐	N☑ Y ☐
71P4A	B983160	N☑ Y ☐	N☑ Y ☐	76P7A	B983199	N☑ Y ☐	N☑ Y ☐
71P4B	B983175	N☐ Y☑ 719	N☑ Y ☐	76P9B	B983200	N☑ Y ☑ MG6-12-09 *	N☑ Y ☐
71P6A	B983163	N☑ Y ☐	N☑ Y ☐	76P9A	B983194	N☑ Y ☐	N☑ Y ☐
71P6B	B983169	N☑ Y ☐	N☑ Y ☐	76P10B	B983172	N☑ Y ☐	N☑ Y ☐
71P8A	B983229	N☑ Y ☐	N☑ Y ☐	76P10A	B983179	N☑ Y ☐	N☑ Y ☐
71P8B	B983206	N☑ Y ☐	N☑ Y ☐	76P8B	B983178	N☑ Y ☐	N☑ Y ☐
71P10A	B983176	N☑ Y ☐	N☑ Y ☐	76P8A	B983182	N☑ Y ☐	N☑ Y ☐
71P10B	B983187	N☐ Y☑ 785	N☑ Y ☐	76P6B	B983192	N☑ Y ☐	N☑ Y ☐
72P1B	RIC0091	N☑ Y ☐	N☑ Y ☐	76P6A	B983188	N☑ Y ☐	N☑ Y ☐
72P1A	B983158	N☑ Y ☐	N☑ Y ☐	76P4B	B983191	N☑ Y ☐	N☑ Y ☐
72P3B	B983218	N☑ Y ☐	N☑ Y ☐	76P4A	B983190	N☑ Y ☐	N☑ Y ☐
72P3A	B983125	N☑ Y ☐	N☑ Y ☐	76P2B	B983193	N☑ Y ☐	N☑ Y ☐
72P5B	B983168	N☑ Y ☐	N☑ Y ☐	76P2A	B983185	N☑ Y ☐	N☑ Y ☐
72P5A	B983167	N☑ Y ☐	N☑ Y ☐	Spare	RIJ1187	N☑ Y ☐	N☑ Y ☐
72P7B	B983201	N☑ Y ☐	N☑ Y ☐	Spare	B983576	N☑ Y ☐	N☑ Y ☐
72P7A	B983202	N☑ Y ☐	N☑ Y ☐	Spare	B159549	N☑ Y ☐	N☑ Y ☐
72P9B	B983159	N☑ Y ☐	N☑ Y ☐	Spare	B983138	N☑ Y ☐	N☑ Y ☐
72P9A	B983162	N☑ Y ☐	N☑ Y ☐	Spare	B983130	N☑ Y ☐	N☑ Y ☐
72P10B	RHI0443	N☑ Y ☐	N☑ Y ☐	Spare	B983145	N☑ Y ☐	N☑ Y ☐
72P10A	RHK0578	N☑ Y ☐	N☑ Y ☐	Spare	B983142	N☑ Y ☐	N☑ Y ☐
72P8B	RIJL101	N☑ Y☑ 748 MG6-11-09	N☑ Y ☐			N☐ Y ☐	N☐ Y ☐
72P8A	RHI0472	N☑ Y ☐	N☑ Y ☐			N☐ Y ☐	N☐ Y ☐
72P6B	RHL0660	N☑ Y ☐	N☑ Y ☐			N☐ Y ☐	N☐ Y ☐

☑ PCB M_L are attached to each side of each PCB transformer listed above.

☑ PCB M_L are attached to all entrances to C337 building.

71P7A - spill on west end under primary = NEW

#802 is active (old)

#719 no drips present, not active (old)

#785 is active (old)

#719 is active (old)

#748 is not active (old)

#822 is new, active

Inspected By: MEJ Badge # 61055 Date: 6-11-09

* Suspect spot as 6-9-B determined by electrical maintenance to be lube oil. MG

USEC PCB Transformer Quarterly Inspections

Unit #	Serial #	PCB Spill /Leak Present?	Combustibles within 5 meters of Transformer?	Unit #	Serial #	PCB Spill /Leak Present?	Combustibles within 5 meters of Transformer?
71P9A	B983139	N☑ Y ☐	N☑ Y ☐	72P6A	RIA0004	NG N☑ Y ☑ 799	N☑ Y ☐
71P9B	B983122	N☑ Y ☐	N☑ Y ☐	72P4B	B983214	N☑ Y ☐	N☑ Y ☐
71P7A	B983140	N☐ Y ☑ 822	N☑ Y ☐	72P4A	RIA0022	N☑ Y ☐	N☑ Y ☐
71P7B	B983141	N☑ Y ☐	N☑ Y ☐	72P2B	RID0128	N☑ Y ☐	N☑ Y ☐
71P5A	B983120	N☐ Y ☑ South-PIV 802	N☑ Y ☐	72P2A	RIB0059	N☑ Y ☐	N☑ Y ☐
71P5B	B983114	N☑ Y ☐	N☑ Y ☐	76P1B	B983180	N☑ Y ☐	N☑ Y ☐
71P3A	B983158	N☑ Y ☐	N☑ Y ☐	76P1A	B983174	N☑ Y ☐	N☑ Y ☐
* 71P3B	B983161	N☑ Y ☐	N☑ Y ☐	76P3B	B983189	N☑ Y ☐	N☑ Y ☐
71P1A	B983183	N☑ Y ☐	N☑ Y ☐	76P3A	B983186	N☑ Y ☐	N☑ Y ☐
71P1B	B983184	N☑ Y ☐	N☑ Y ☐	76P5B	B983195	N☑ Y ☐	N☑ Y ☐
71P2A	B983170	N☑ Y ☐	N☑ Y ☐	*76P5A	B983197	N☑ Y ☐	N☑ Y ☐
71P2B	B983173	N☑ Y ☐	N☑ Y ☐	76P7B	B983181	N☑ Y ☐	N☑ Y ☐
71P4A	B983160	N☑ Y ☐	N☑ Y ☐	76P7A	B983199	N☑ Y ☐	N☑ Y ☐
71P4B	B983175	N☐ Y ☑ 719	N☑ Y ☐	* 76P9B	B983200	N☑ Y ☐	N☑ Y ☐
71P6A	B983163	N☑ Y ☐	N☑ Y ☐	76P9A	B983194	N☑ Y ☐	N☑ Y ☐
71P6B	B983169	N☑ Y ☐	N☑ Y ☐	76P10B	B983172	N☑ Y ☐	N☑ Y ☐
71P8A	B983229	N☑ Y ☐	N☑ Y ☐	76P10A	B983179	N☑ Y ☐	N☑ Y ☐
71P8B	B983206	N☑ Y ☐	N☑ Y ☐	76P8B	B983178	N☑ Y ☐	N☑ Y ☐
71P10A	B983176	N☑ Y ☐	N☑ Y ☐	76P8A	B983182	N☑ Y ☐	N☑ Y ☐
71P10B	B983187	N☐ Y ☑ 785	N☑ Y ☐	76P6B	B983192	N☑ Y ☐	N☑ Y ☐
72P1B	RIC0091	N☑ Y ☐	N☑ Y ☐	76P6A	B983188	N☑ Y ☐	N☑ Y ☐
72P1A	B983158	N☑ Y ☐	N☑ Y ☐	76P4B	B983191	N☑ Y ☐	N☑ Y ☐
72P3B	B983218	N☑ Y ☐	N☑ Y ☐	76P4A	B983190	N☑ Y ☐	N☑ Y ☐
72P3A	B983125	N☑ Y ☐	N☑ Y ☐	76P2B	B983193	N☑ Y ☐	N☑ Y ☐
72P5B	B983168	N☑ Y ☐	N☑ Y ☐	76P2A	B983185	N☑ Y ☐	N☑ Y ☐
72P5A	B983167	N☑ Y ☐	N☑ Y ☐	Spare	RIJ1187	N☑ Y ☐	N☑ Y ☐
72P7B	B983201	N☑ Y ☐	N☑ Y ☐	Spare	B983576	N☑ Y ☐	N☑ Y ☐
72P7A	B983202	N☑ Y ☐	N☑ Y ☐	Spare	B159549	N☑ Y ☐	N☑ Y ☐
72P9B	B983159	N☑ Y ☐	N☑ Y ☐	Spare	B983138	N☑ Y ☐	N☑ Y ☐
72P9A	B983162	N☑ Y ☐	N☑ Y ☐	Spare	B983130	N☑ Y ☐	N☑ Y ☐
72P10B	RHI0443	N☑ Y ☐	N☑ Y ☐	Spare	B983145	N☑ Y ☐	N☑ Y ☐
72P10A	RHK0578	N☑ Y ☐	N☑ Y ☐	Spare	B983142	N☑ Y ☐	N☑ Y ☐
72P8B	RIJL101	NG N☑ Y ☑ 748	N☑ Y ☐			N☐ Y ☐	N☐ Y ☐
72P8A	RHI0472	N☑ Y ☐	N☑ Y ☐			N☐ Y ☐	N☐ Y ☐
72P6B	RHL0660	N☑ Y ☐	N☑ Y ☐			N☐ Y ☐	N☐ Y ☐

☑ PCB M_L are attached to each side of each PCB transformer listed above.

☑ PCB M_L are attached to all entrances to C337 building.

822 is not active
802 is not active
719 is active (infrequent)
785 is active
799 is active
748 is not active

*71P3B-76P5A-76P9B suspect spots are lube oil, per electrical maint 9-29-09

Inspected By: MEJ Badge # 61055 Date: 9-28, 9-29-09

No "new" spills discovered (HG)

USEC PCB Transformer Quarterly Inspections

Unit #	Serial #	PCB Spill /Leak Present?	Combustibles within 5 meters of Transformer?	Unit #	Serial #	PCB Spill /Leak Present?	Combustibles within 5 meters of Transformer?
71P9A	B983139	N☑ Y ☐	N☑ Y ☐	72P6A	RIA0004	N☑ Y ☐	N☑ Y ☐
71P9B	B983122	N☑ Y ☐	N☑ Y ☐	72P4B	B983214	N☑ Y ☐	N☑ Y ☐
71P7A	B983140	N☐ Y☑ #822	N☑ Y ☐	72P4A	RIA0022	N☑ Y ☐	N☑ Y ☐
71P7B	B983141	N☑ Y ☐	N☑ Y ☐	72P2B	RID0128	N☑ Y ☐	N☑ Y ☐
71P5A	B983120	N☐ Y☑ #802	N☑ Y ☐	72P2A	RIB0059	N☑ Y ☐	N☑ Y ☐
71P5B	B983114	N☑ Y ☐	N☑ Y ☐	76P1B	B983180	N☐ Y☑ 835	N☐ Y ☐
71P3A	B983158	N☑ Y ☐	N☑ Y ☐	76P1A	B983174	N☑ Y ☐	N☑ Y ☐
71P3B	B983161	N☐ Y☑ #832	N☑ Y ☐	76P3B	B983189	N☑ Y ☐	N☑ Y ☐
71P1A	B983183	N☑ Y ☐	N☑ Y ☐	76P3A	B983186	N☑ Y ☐	N☑ Y ☐
71P1B	B983184	N☑ Y ☐	N☑ Y ☐	76P5B	B983195	N☑ Y ☐	N☑ Y ☐
71P2A	B983170	N☑ Y ☐	N☑ Y ☐	76P5A	B983197	N☑ Y ☐	N☑ Y ☐
71P2B	B983173	N☑ Y ☐	N☑ Y ☐	76P7B	B983181	N☑ Y ☐	N☑ Y ☐
71P4A	B983160	N☑ Y ☐	N☑ Y ☐	76P7A	B983199	N☑ Y ☐	N☑ Y ☐
71P4B	B983175	N☐ Y☑ #719	N☑ Y ☐	76P9B	B983200	N☑ Y ☐	N☑ Y ☐
71P6A	B983163	N☑ Y ☐	N☑ Y ☐	76P9A	B983194	N☑ Y ☐	N☑ Y ☐
71P6B	B983169	N☑ Y ☐	N☑ Y ☐	76P10B	B983172	N☑ Y ☐	N☑ Y ☐
71P8A	B983229	N☑ Y ☐	N☑ Y ☐	76P10A	B983179	N☑ Y ☐	N☑ Y ☐
71P8B	B983206	N☑ Y ☐	N☑ Y ☐	76P8B	B983178	N☑ Y ☐	N☑ Y ☐
71P10A	B983176	N☑ Y ☐	N☑ Y ☐	76P8A	B983182	N☑ Y ☐	N☑ Y ☐
71P10B	B983187	N☐ Y☑ #785	N☑ Y ☐	76P6B	B983192	N☑ Y ☐	N☑ Y ☐
72P1B	RIC0091	N☐ Y☑ 834	N☑ Y ☐	76P6A	B983188	N☑ Y ☐	N☑ Y ☐
72P1A	B983158	N☑ Y ☐	N☑ Y ☐	76P4B	B983191	N☑ Y ☐	N☑ Y ☐
72P3B	B983218	N☑ Y ☐	N☑ Y ☐	76P4A	B983190	N☑ Y ☐	N☑ Y ☐
72P3A	B983125	N☑ Y ☐	N☑ Y ☐	76P2B	B983193	N☑ Y ☐	N☑ Y ☐
72P5B	B983168	N☑ Y ☐	N☑ Y ☐	76P2A	B983185	N☑ Y ☐	N☑ Y ☐
72P5A	B983167	N☑ Y ☐	N☑ Y ☐	Spare	RIJ1187	N☑ Y ☐	N☑ Y ☐
72P7B	B983201	N☑ Y ☐	N☑ Y ☐	Spare	B983576	N☑ Y ☐	N☑ Y ☐
72P7A	B983202	N☑ Y ☐	N☑ Y ☐	Spare	B159549	N☑ Y ☐	N☑ Y ☐
72P9B	B983159	N☑ Y ☐	N☑ Y ☐	Spare	B983138	N☑ Y ☐	N☑ Y ☐
72P9A	B983162	N☑ Y ☐	N☑ Y ☐	Spare	B983130	N☑ Y ☐	N☑ Y ☐
72P10B	RHI0443	N☑ Y ☐	N☑ Y ☐	Spare	B983145	N☑ Y ☐	N☑ Y ☐
72P10A	RHK0578	N☑ Y ☐	N☑ Y ☐	Spare	B983142	N☑ Y ☐	N☑ Y ☐
72P8B	RIJL101	N☑ Y ☐	N☑ Y ☐			N☐ Y ☐	N☐ Y ☐
72P8A	RHI0472	N☑ Y ☐	N☑ Y ☐			N☐ Y ☐	N☐ Y ☐
72P6B	RHL0660	N☑ Y ☐	N☑ Y ☐			N☐ Y ☐	N☐ Y ☐

☑ PCB M_L are attached to each side of each PCB transformer listed above.

☑ PCB M_L are attached to all entrances to C337 building.

#822 is ready to encapsulate
#802 is active
#832 is not active
#719 is active
#785 is active
#834 is new/active
#835 is new/active

Inspected By: MEM Badge # 61055 Date: 12-17-09

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6. LABORATORY PCB STANDARDS INVENTORY

This section contains an inventory of laboratory PCB standards received and used during CY 2009 for the purpose of chemical analysis to determine PCB concentrations. (Table 6.1)

Table 6.1. PCB Laboratory, 2010 Standards Beginning Inventory, C-709, Room 113

Chemical Name	Company Name	Amount Received in 2009	Amount Used in 2009	January 2010 Amount in Stock	Inventory Date
Aroclor 1016 (Solution)	Supelco	2 ml	2 ml	2 ml	1/5/2010
(Neat)	Chem Service	0 mg	0 mg	0 mg	1/5/2010
(Solution)	Chem Service	15 ml	20 ml	5 ml	1/5/2010
(Solution)	Restek	3 ml	3 ml	3 ml	1/5/2010
Aroclor 1221 (Solution)	Supelco	1 ml	2 ml	2 ml	1/5/2010
(Neat)	Chem Service	0 mg	0 mg	0 mg	1/5/2010
(Solution)	Chem Service	10 ml	10 ml	10 ml	1/5/2010
(Solution)	Restek	10 ml	1 ml	10 ml	1/5/2010
Aroclor 1232 (Solution)	Supelco	3 ml	3 ml	2 ml	1/5/2010
(Neat)	Chem Service	0 mg	0 mg	0 mg	1/5/2010
(Solution)	Chem Service	10 ml	10 ml	10 ml	1/5/2010
(Solution)	Restek	10 ml	2 ml	10 ml	1/5/2010
Aroclor 1242 (Solution)	Supelco	3 ml	3 ml	2 ml	1/5/2010
(Neat)	Chem Service	0 mg	0 mg	0 mg	1/5/2010
(Solution)	Chem Service	15 ml	15 ml	10 ml	1/5/2010
(Solution)	Restek	10 ml	2 ml	10 ml	1/5/2010
Aroclor 1248 (Solution)	Supelco	3 ml	3 ml	2 ml	1/5/2010
(Neat)	Chem Service	0 mg	0 mg	0 mg	1/5/2010
(Solution)	Chem Service	10 ml	10 ml	10 ml	1/5/2010
(Solution)	Restek	10 ml	2 ml	10 ml	1/5/2010
Aroclor 1254 (Solution)	Supelco	4 ml	4 ml	3 ml	1/5/2010
(Neat)	Chem Service	0 mg	0 mg	0 mg	1/5/2010
(Solution)	Chem Service	20 ml	15 ml	10 ml	1/5/2010
(Solution)	Restek	10 ml	1 ml	10 ml	1/5/2010
Aroclor 1260 (Solution)	Supelco	2 ml	2 ml	2 ml	1/5/2010
(Neat)	Chem Service	0 mg	0 mg	0 mg	1/5/2010
(Solution)	Chem Service	20 ml	20 ml	5 ml	1/5/2010
(Solution)	Restek	3 ml	3 ml	3 ml	1/5/2010
Aroclor 1268 (Neat)	Chem Service	0 g	0 g	0 g	1/5/2010
(Solution)	Chem Service	10 ml	10 ml	10 ml	1/5/2010
(Solution)	Restek	3 ml	5 ml	5 ml	1/5/2010
Aroclor 1016/1260 Mix	Chem Service	0 ml	0 ml	10 ml	1/5/2010
(Solution)	Restek	2 ml	2 ml	2 ml	1/5/2010

Notes:
ml - milliliter
g - gram

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7. WASTE AREA INSPECTION RECORDS

This section contains a summary of the 30-day inspections of PCB waste items stored in facilities meeting 40 *CFR* § 761.65(b), including temporary areas, and/or UE TSCA FFCA storage requirements. (Table 7.1)

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
C-331					
	G-331-03	1/21/2009	☐	☑	
	G-331-03	2/19/2009	☐	☑	
	G-331-03	3/20/2009	☐	☑	
	G-331-03	4/16/2009	☐	☑	
	G-331-03	5/14/2009	☐	☑	
	G-331-03	6/10/2009	☐	☑	
	G-331-03	7/9/2009	☐	☑	
	G-331-03	8/7/2009	☐	☑	
	G-331-03	9/3/2009	☐	☑	
	G-331-03	10/2/2009	☐	☑	
	G-331-03	10/28/2009	☐	☑	
	G-331-03	11/23/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-331-03	12/17/2009	☐	☑	
	G-331-10	1/21/2009	☐	☑	
	G-331-10	2/19/2009	☐	☑	
	G-331-10	3/20/2009	☐	☑	
	G-331-10	4/16/2009	☐	☑	
	G-331-10	5/14/2009	☐	☑	
	G-331-10	6/10/2009	☐	☑	
	G-331-10	7/9/2009	☐	☑	
	G-331-10	8/7/2009	☐	☑	
	G-331-10	9/3/2009	☐	☑	
	G-331-10	10/2/2009	☐	☑	
	G-331-10	10/28/2009	☐	☑	
	G-331-10	11/23/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-331-10	12/17/2009	☐	☑	
C-333					
	G-333-02	1/21/2009	☐	☑	
	G-333-02	2/19/2009	☐	☑	
	G-333-02	3/20/2009	☐	☑	
	G-333-02	4/16/2009	☐	☑	
	G-333-02	5/14/2009	☐	☑	
	G-333-02	6/10/2009	☐	☑	
	G-333-02	7/9/2009	☐	☑	
	G-333-02	8/7/2009	☐	☑	
	G-333-02	9/3/2009	☐	☑	
	G-333-02	10/2/2009	☐	☑	
	G-333-02	10/28/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-333-02	11/23/2009	☐	☑	
	G-333-02	12/17/2009	☐	☑	
	G-333-06	1/21/2009	☐	☑	removed from service January 2009
	G-333-07	1/21/2009	☐	☑	
	G-333-07	2/19/2009	☐	☑	
	G-333-07	3/20/2009	☐	☑	
	G-333-07	4/16/2009	☐	☑	
	G-333-07	5/14/2009	☐	☑	
	G-333-07	6/10/2009	☐	☑	
	G-333-07	7/9/2009	☐	☑	
	G-333-07	8/7/2009	☐	☑	
	G-333-07	9/3/2009	☐	☑	
	G-333-07	10/2/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-333-07	10/28/2009	☐	☑	
	G-333-07	11/23/2009	☑	☑	
	G-333-07	12/17/2009	☐	☑	
	G-333-DMSA	1/13/2009	☐	☑	
	G-333-DMSA	1/27/2009	☐	☑	
	G-333-DMSA	2/10/2009	☐	☑	
	G-333-DMSA	2/24/2009	☐	☑	
	G-333-DMSA	3/10/2009	☐	☑	
	G-333-DMSA	3/24/2009	☐	☑	
	G-333-DMSA	4/7/2009	☐	☑	
	G-333-DMSA	4/14/2009	☐	☑	
	G-333-DMSA	4/28/2009	☐	☑	
	G-333-DMSA	5/12/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-333-DMSA	5/26/2009	☐	☑	
	G-333-DMSA	6/9/2009	☐	☑	
	G-333-DMSA	6/23/2009	☐	☑	closed 6/16/09
C-335					
	G-335-01	1/21/2009	☐	☑	
	G-335-01	2/19/2009	☐	☑	
	G-335-01	3/20/2009	☐	☑	
	G-335-01	4/16/2009	☐	☑	
	G-335-01	5/14/2009	☐	☑	
	G-335-01	6/10/2009	☐	☑	
	G-335-01	7/9/2009	☐	☑	
	G-335-01	8/7/2009	☐	☑	
	G-335-01	9/3/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-335-01	10/2/2009	☐	☑	
	G-335-01	10/28/2009	☐	☑	
	G-335-01	11/23/2009	☐	☑	
	G-335-01	12/17/2009	☐	☑	
C-337					
	DOE	1/27/2009	☐	☑	
	DOE	2/24/2009	☐	☑	
	DOE	3/24/2009	☐	☑	
	DOE	4/21/2009	☐	☑	
	DOE	5/19/2009	☐	☑	
	DOE	6/16/2009	☐	☑	No waste in storage. Discontinued inspection.
	G-337-07	1/21/2009	☐	☑	
	G-337-07	2/19/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-337-07	3/20/2009	☐	☑	
	G-337-07	4/16/2009	☐	☑	
	G-337-07	5/14/2009	☐	☑	
	G-337-07	6/10/2009	☐	☑	
	G-337-07	7/9/2009	☐	☑	
	G-337-07	8/7/2009	☐	☑	
	G-337-07	9/3/2009	☐	☑	
	G-337-07	10/2/2009	☐	☑	
	G-337-07	10/28/2009	☐	☑	
	G-337-07	11/23/2009	☐	☑	
	G-337-07	12/17/2009	☐	☑	
	G-337-13	1/21/2009	☐	☑	
	G-337-13	2/19/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-337-13	3/20/2009	☐	☑	
	G-337-13	4/16/2009	☐	☑	
	G-337-13	5/14/2009	☐	☑	
	G-337-13	6/10/2009	☐	☑	
	G-337-13	7/9/2009	☐	☑	
	G-337-13	8/7/2009	☐	☑	
	G-337-13	9/3/2009	☐	☑	
	G-337-13	10/2/2009	☐	☑	
	G-337-13	10/28/2009	☐	☑	
	G-337-13	11/23/2009	☐	☑	
	G-337-13	12/17/2009	☐	☑	
	G-337-15	1/21/2009	☐	☑	
	G-337-15	2/19/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-337-15	3/20/2009	☐	☑	
	G-337-15	4/16/2009	☐	☑	
	G-337-15	5/14/2009	☐	☑	
	G-337-15	6/10/2009	☐	☑	
	G-337-15	8/7/2009	☐	☑	
	G-337-15	9/3/2009	☐	☑	
	G-337-15	10/2/2009	☐	☑	
	G-337-15	10/28/2009	☐	☑	
	G-337-15	11/23/2009	☐	☑	
	G-337-15	12/17/2009	☐	☑	
	G-337-25	1/21/2009	☐	☑	Equipment storage - no waste present
	G-337-25	2/19/2009	☐	☑	Equipment storage - no waste present
	G-337-25	3/20/2009	☐	☑	Equipment storage - no waste present

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-337-25	4/16/2009	☐	☑	Equipment storage - no waste present
	G-337-25	5/14/2009	☐	☑	dedicated equipment
	G-337-25	6/10/2009	☐	☑	dedicated equipment
	G-337-25	7/9/2009	☐	☑	dedicated equipment
	G-337-25	8/7/2009	☐	☑	dedicated equipment, no waste
	G-337-25	9/3/2009	☐	☑	dedicated equipment, no waste
	G-337-25	10/2/2009	☐	☑	dedicated equipment, no waste
	G-337-25	10/28/2009	☐	☑	empty pans only, no waste
	G-337-25	11/23/2009	☐	☑	empty pans only, no waste
	G-337-25	12/17/2009	☐	☑	empty pans only, no waste
	G-337-26	1/21/2009	☑	☐	PCB-774
	G-337-26	2/19/2009	☑	☐	PCB-774
	G-337-26	3/20/2009	☑	☐	PCB-774

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-337-26	4/16/2009	☑	☐	PCB-774
	G-337-26	5/14/2009	☑	☐	PCB-774
	G-337-26	6/10/2009	☑	☐	PCB-774
	G-337-26	7/9/2009	☑	☐	PCB-774
	G-337-26	8/7/2009	☑	☐	PCB-774
	G-337-26	9/3/2009	☑	☐	PCB-774
	G-337-26	10/2/2009	☑	☐	PCB-774
	G-337-26	10/28/2009	☑	☐	PCB-774
	G-337-26	11/23/2009	☑	☐	PCB-774
	G-337-26	12/17/2009	☑	☐	PCB-774
	G-337-28	1/21/2009	☑	☐	PCB-789
	G-337-28	2/19/2009	☑	☐	PCB-789
	G-337-28B	3/20/2009	☑	☐	PCB-789

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-337-28B	4/16/2009	☑	☐	PCB-789
	G-337-28B	5/14/2009	☑	☐	PCB-789
	G-337-28B	6/10/2009	☑	☐	PCB-789
	G-337-28B	7/9/2009	☑	☐	PCB-789
	G-337-28B	8/7/2009	☑	☐	PCB-789
	G-337-28B	9/3/2009	☑	☐	PCB-789
	G-337-28B	10/2/2009	☑	☐	PCB-789
	G-337-28B	10/28/2009	☑	☐	PCB-789
	G-337-28B	11/23/2009	☑	☐	PCB-789
	G-337-28B	12/17/2009	☑	☐	PCB-789
	G-337-DMSA	1/13/2009	☐	☑	
	G-337-DMSA	1/27/2009	☐	☑	
	G-337-DMSA	2/10/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-337-DMSA	2/24/2009	☐	☑	
	G-337-DMSA	3/10/2009	☐	☑	
	G-337-DMSA	3/24/2009	☐	☑	
	G-337-DMSA	4/7/2009	☐	☑	
	G-337-DMSA	4/14/2009	☐	☑	
	G-337-DMSA	4/28/2009	☐	☑	
	G-337-DMSA	5/12/2009	☐	☑	
	G-337-DMSA	5/26/2009	☐	☑	
	G-337-DMSA	6/9/2009	☐	☑	
	G-337-DMSA	6/23/2009	☐	☑	
	G-337-DMSA	7/7/2009	☐	☑	closed 7/8/09
	S-337-DMSA0	1/13/2009	☐	☑	
	S-337-DMSA0	1/27/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	S-337-DMSA0	2/10/2009	☐	☑	
	S-337-DMSA0	2/24/2009	☐	☑	
	S-337-DMSA0	3/10/2009	☐	☑	
	S-337-DMSA0	3/24/2009	☐	☑	
	S-337-DMSA0	4/7/2009	☐	☑	
	S-337-DMSA0	4/14/2009	☐	☑	
	S-337-DMSA0	4/28/2009	☐	☑	
	S-337-DMSA0	5/12/2009	☐	☑	
	S-337-DMSA0	5/26/2009	☐	☑	
	S-337-DMSA0	6/9/2009	☐	☑	closed 5/27/09
C-340					
	C-340-01	11/4/2009	☐	☑	
	C-340-01	11/11/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	C-340-02	1/14/2009	☐	☑	
	C-340-02	1/28/2009	☐	☐	ICE STORM - PRS CLOSED
	C-340-02	2/3/2009	☐	☑	
	C-340-02	2/11/2009	☐	☑	
	C-340-02	2/25/2009	☐	☑	
	C-340-02	3/11/2009	☐	☑	
	C-340-02	3/25/2009	☐	☐	NO BUILDING ACCESS ALLOWED UNTIL 4/1/09
	C-340-02	4/1/2009	☐	☑	
	C-340-02	4/8/2009	☐	☑	
	C-340-02	4/22/2009	☐	☑	
	C-340-02	4/29/2009	☐	☑	
	C-340-02	5/13/2009	☐	☑	
	C-340-02	5/27/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	C-340-02	6/11/2009	☐	☑	
	C-340-02	6/24/2009	☐	☑	
	C-340-02	7/8/2009	☐	☑	
	C-340-02	7/15/2009	☐	☑	
	C-340-02	7/29/2009	☐	☑	
	C-340-02	8/12/2009	☐	☑	DIKE IN NEED OF REPAIR
	C-340-02	8/26/2009	☐	☑	DIKE IN NEED OF REPAIR
	C-340-02	9/9/2009	☐	☑	
	C-340-02	9/28/2009	☐	☑	
	C-340-02	10/7/2009	☐	☑	
	C-340-02	10/21/2009	☐	☑	
	C-340-02	11/4/2009	☐	☑	CLOSED AREA
	C-340-05	1/14/2009	☐	☑	NOT MARKED WITH PCB M-L

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	C-340-05	1/28/2009	☐	☐	ICE STORM - PRS CLOSED
	C-340-05	2/2/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-340-05	2/11/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-340-05	2/25/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-340-05	3/11/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-340-05	3/25/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-340-05	4/8/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-340-05	4/22/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-340-05	4/29/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-340-05	5/13/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-340-05	5/27/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-340-05	6/11/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-340-05	6/24/2009	☐	☑	NOT MARKED WITH PCB M-L

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	C-340-05	7/8/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-340-05	7/15/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-340-05	7/29/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-340-05	8/12/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-340-05	8/26/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-340-05	9/9/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-340-05	9/28/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-340-05	10/7/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-340-05	10/21/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-340-05	11/4/2009	☐	☑	NOT MARKED WITH PCB M-L
	G-340-05	11/30/2009	☐	☐	NOV & DEC INSPECTIONS NOT PROVIDED; INDIVIDUAL RETIRED; NOT SURE WHAT
	G-340-05	12/30/2009	☐	☐	NOV & DEC INSPECTIONS NOT PROVIDED; INDIVIDUAL RETIRED; NOT SURE WHAT
C-340-D					

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	H-340-02	11/18/2009	☐	☑	new
	H-340-02	11/24/2009	☐	☑	
	H-340-02	12/2/2009	☐	☑	
	H-340-02	12/9/2009	☐	☑	
	H-340-02	12/16/2009	☐	☑	
	H-340-02	12/22/2009	☐	☑	
	H-340-02	12/30/2009	☐	☑	
C-410					
	C-410-01	1/14/2009	☐	☑	
	C-410-01	1/28/2009	☐	☐	ICE STORM - PRS CLOSED
	C-410-01	2/2/2009	☐	☑	
	C-410-01	2/11/2009	☐	☑	
	C-410-01	2/25/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	C-410-01	3/11/2009	☐	☑	
	C-410-01	3/31/2009	☐	☑	
	C-410-01	4/8/2009	☐	☑	
	C-410-01	4/22/2009	☐	☑	
	C-410-01	4/29/2009	☐	☑	LEAK 1ST ROW ON LEFT - DRIED FROM METAL CONT.PAN
	C-410-01	5/13/2009	☐	☑	
	C-410-01	5/27/2009	☐	☑	RAINWATER IN AISLE
	C-410-01	6/11/2009	☐	☑	RAINWATER IN AISLE
	C-410-01	6/24/2009	☐	☑	
	C-410-01	7/8/2009	☐	☑	
	C-410-01	7/15/2009	☐	☑	
	C-410-01	7/29/2009	☐	☑	
	C-410-01	8/12/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	C-410-01	8/26/2009	☐	☑	
	C-410-01	9/9/2009	☐	☑	
	C-410-01	9/23/2009	☐	☑	
	C-410-01	10/7/2009	☐	☑	RAINWATER ON SE EDGE OF AREA
	C-410-01	10/21/2009	☐	☑	
	C-410-01	11/4/2009	☐	☑	
	C-410-01	11/18/2009	☐	☑	
	C-410-01	12/2/2009	☑	☑	
	C-410-01	12/16/2009	☐	☑	
	C-410-01	12/30/2009	☐	☑	
C-411					
	C-411-01	1/14/2009	☐	☑	
	C-411-01	1/28/2009	☐	☐	ICE STORM - PRS CLOSED

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	C-411-01	2/2/2009	☐	☑	
	C-411-01	2/11/2009	☐	☑	
	C-411-01	2/25/2009	☐	☑	
	C-411-01	3/11/2009	☐	☑	
	C-411-01	3/25/2009	☐	☑	
	C-411-01	4/8/2009	☐	☑	
	C-411-01	4/22/2009	☐	☑	
	C-411-01	4/29/2009	☐	☑	
	C-411-01	5/13/2009	☐	☑	
	C-411-01	5/27/2009	☐	☑	
	C-411-01	6/11/2009	☐	☑	
	C-411-01	6/24/2009	☐	☑	
	C-411-01	7/8/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	C-411-01	7/15/2009	☐	☑	
	C-411-01	7/29/2009	☐	☑	
	C-411-01	8/12/2009	☐	☑	
	C-411-01	8/26/2009	☐	☑	
	C-411-01	9/9/2009	☐	☑	
	C-411-01	9/23/2009	☐	☑	
	C-411-01	10/7/2009	☐	☑	
	C-411-01	10/21/2009	☐	☑	
	C-411-01	11/4/2009	☐	☑	
	C-411-01	11/18/2009	☐	☑	
	C-411-01	12/2/2009	☐	☑	
	C-411-01	12/16/2009	☐	☑	
	C-411-01	12/30/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	C-411-02	1/14/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-02	1/28/2009	☐	☐	ICE STORM - PRS CLOSED
	C-411-02	2/2/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-02	2/11/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-02	2/25/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-02	3/11/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-02	3/25/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-02	4/8/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-02	4/22/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-02	4/29/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-02	5/13/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-02	5/27/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-02	6/11/2009	☐	☑	NOT MARKED WITH PCB M-L

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	C-411-02	6/24/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-02	7/8/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-02	7/15/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-02	7/29/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-02	8/12/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-02	8/26/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-02	9/9/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-02	9/23/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-02	10/7/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-02	10/21/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-02	11/4/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-02	11/18/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-02	12/2/2009	☐	☑	NOT MARKED WITH PCB M-L

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	C-411-02	12/16/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-02	12/30/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-03	1/14/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-03	1/28/2009	☐	☐	ICE STORM - PRS CLOSED
	C-411-03	2/2/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-03	2/11/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-03	2/25/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-03	3/11/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-03	3/25/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-03	4/8/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-03	4/22/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-03	4/29/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-03	5/13/2009	☐	☑	NOT MARKED WITH PCB M-L

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	C-411-03	5/27/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-03	6/11/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-03	6/24/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-03	7/8/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-03	7/15/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-03	7/29/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-03	8/12/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-03	8/26/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-03	9/9/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-03	9/23/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-03	10/7/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-03	10/21/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-03	11/4/2009	☐	☑	NOT MARKED WITH PCB M-L

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	C-411-03	11/18/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-03	12/2/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-03	12/16/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-411-03	12/30/2009	☐	☑	NOT MARKED WITH PCB M-L
C-415					
	C-415-03	1/14/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-415-03	1/28/2009	☐	☐	ICE STORM - PRS CLOSED
	C-415-03	2/2/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-415-03	2/11/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-415-03	2/25/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-415-03	3/11/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-415-03	3/25/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-415-03	4/8/2009	☐	☑	NOT MARKED WITH PCB M-L

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	C-415-03	4/22/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-415-03	4/29/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-415-03	5/13/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-415-03	5/27/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-415-03	6/4/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-415-03	6/24/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-415-03	7/8/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-415-03	7/15/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-415-03	7/29/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-415-03	8/12/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-415-03	8/26/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-415-03	9/9/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-415-03	9/23/2009	☐	☑	NOT MARKED WITH PCB M-L

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	C-415-03	10/7/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-415-03	10/21/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-415-03	11/4/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-415-03	11/18/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-415-03	12/2/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-415-03	12/16/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-415-03	12/30/2009	☐	☑	NOT MARKED WITH PCB M-L
C-709					
	S-709-01	1/17/2009	☐	☑	USEC Lab
	S-709-01	1/29/2009	☐	☑	USEC Lab
	S-709-01	2/4/2009	☐	☑	USEC Lab
	S-709-01	2/18/2009	☐	☑	USEC Lab
	S-709-01	3/3/2009	☐	☑	USEC Lab

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	S-709-01	3/17/2009	☐	☑	USEC Lab
	S-709-01	4/8/2009	☐	☑	USEC Lab
	S-709-01	4/23/2009	☐	☑	USEC Lab
	S-709-01	5/7/2009	☐	☑	USEC Lab
	S-709-01	5/27/2009	☐	☑	USEC Lab
	S-709-01	6/10/2009	☐	☑	USEC Lab
	S-709-01	6/24/2009	☐	☑	USEC Lab
	S-709-01	7/8/2009	☐	☑	USEC Lab
	S-709-01	7/22/2009	☐	☑	USEC Lab
	S-709-01	8/6/2009	☐	☑	USEC Lab
	S-709-01	8/19/2009	☐	☑	USEC Lab
	S-709-01	9/10/2009	☐	☑	USEC Lab
	S-709-01	9/23/2009	☐	☑	USEC Lab

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	S-709-01	10/8/2009	☐	☑	USEC Lab
	S-709-01	10/21/2009	☐	☑	USEC Lab
	S-709-01	11/10/2009	☐	☑	USEC Lab
	S-709-01	11/24/2009	☐	☑	USEC Lab
	S-709-01	12/9/2009	☐	☑	USEC Lab
	S-709-01	12/23/2009	☐	☑	USEC Lab
	S-709-02	1/6/2009	☐	☑	USEC Lab
	S-709-02	1/15/2009	☐	☑	USEC Lab
	S-709-02	1/26/2009	☐	☑	USEC Lab
	S-709-02	2/5/2009	☐	☑	USEC Lab
	S-709-02	2/17/2009	☐	☑	USEC Lab
	S-709-02	2/25/2009	☐	☑	USEC Lab
	S-709-02	3/3/2009	☐	☑	USEC Lab

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	S-709-02	3/16/2009	☐	☑	USEC Lab
	S-709-02	3/24/2009	☐	☑	USEC Lab
	S-709-02	4/6/2009	☐	☑	USEC Lab
	S-709-02	4/16/2009	☐	☑	USEC Lab
	S-709-02	4/27/2009	☐	☑	USEC Lab
	S-709-02	5/7/2009	☐	☑	USEC Lab
	S-709-02	5/18/2009	☐	☑	USEC Lab
	S-709-02	5/26/2009	☐	☑	USEC Lab
	S-709-02	6/5/2009	☐	☑	USEC Lab
	S-709-02	6/17/2009	☐	☑	USEC Lab
	S-709-02	7/8/2009	☐	☑	USEC Lab
	S-709-02	7/16/2009	☐	☑	USEC Lab
	S-709-02	7/27/2009	☐	☑	USEC Lab

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	S-709-02	8/6/2009	☐	☑	USEC Lab
	S-709-02	8/17/2009	☐	☑	USEC Lab
	S-709-02	8/25/2009	☐	☑	USEC Lab
	S-709-02	9/4/2009	☐	☑	USEC Lab
	S-709-02	9/16/2009	☐	☑	USEC Lab
	S-709-02	9/25/2009	☐	☑	USEC Lab
	S-709-02	10/8/2009	☐	☑	USEC Lab
	S-709-02	10/16/2009	☐	☑	USEC Lab
	S-709-02	10/26/2009	☐	☑	USEC Lab
	S-709-02	11/9/2009	☐	☑	USEC Lab
	S-709-02	11/18/2009	☐	☑	USEC Lab
	S-709-02	11/30/2009	☐	☑	USEC Lab
	S-709-02	12/9/2009	☐	☑	USEC Lab

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	S-709-02	12/17/2009	☐	☑	USEC Lab
	S-709-02	12/22/2009	☐	☑	USEC Lab
C-710					
	G-710-04	1/15/2009	☐	☑	USEC Lab
	G-710-04	1/26/2009	☐	☑	USEC Lab
	G-710-04	2/6/2009	☐	☑	USEC Lab
	G-710-04	2/27/2009	☐	☑	USEC Lab
	G-710-04	3/18/2009	☐	☑	USEC Lab
	G-710-04	4/6/2009	☐	☑	USEC Lab
	G-710-04	4/29/2009	☐	☑	USEC Lab
	G-710-04	5/13/2009	☐	☑	USEC Lab
	G-710-04	5/28/2009	☐	☑	USEC Lab
	G-710-04	6/12/2009	☐	☑	USEC Lab

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-710-04	6/29/2009	☐	☑	USEC Lab
	G-710-04	7/16/2009	☐	☑	USEC Lab
	G-710-04	7/30/2009	☐	☑	USEC Lab
	G-710-04	8/10/2009	☐	☑	USEC Lab
	G-710-04	8/27/2009	☐	☑	USEC Lab
	G-710-04	9/17/2009	☐	☑	USEC Lab
	G-710-04	9/29/2009	☐	☑	USEC Lab
	G-710-04	10/15/2009	☐	☑	USEC Lab
	G-710-04	10/30/2009	☐	☑	USEC Lab
	G-710-04	11/17/2009	☐	☑	USEC Lab
	G-710-04	11/30/2009	☐	☑	USEC Lab
	G-710-04	12/17/2009	☐	☑	USEC Lab
	G-710-04	12/30/2009	☐	☑	USEC Lab

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-710-23	1/15/2009	☐	☑	USEC Lab - no waste
	G-710-23	1/26/2009	☐	☑	USEC Lab - no waste
	G-710-23	2/16/2009	☐	☑	USEC Lab - no waste
	G-710-23	2/27/2009	☐	☑	USEC Lab - no waste
	G-710-23	3/18/2009	☐	☑	USEC Lab - no waste
	G-710-23	4/6/2009	☐	☑	USEC Lab - no waste
	G-710-23	4/29/2009	☐	☑	USEC Lab - no waste
	G-710-23	5/13/2009	☐	☑	USEC Lab - no waste
	G-710-23	5/28/2009	☐	☑	USEC Lab - no waste
	G-710-23	6/12/2009	☐	☑	USEC Lab - no waste
	G-710-23	6/29/2009	☐	☑	USEC Lab - no waste
	G-710-23	7/16/2009	☐	☑	USEC Lab - no waste
	G-710-23	7/30/2009	☐	☑	USEC Lab - no waste

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-710-23	8/10/2009	☐	☑	USEC Lab - no waste
	G-710-23	8/27/2009	☐	☑	USEC Lab - no waste
	G-710-23	9/17/2009	☐	☑	USEC Lab - no waste
	G-710-23	9/29/2009	☐	☑	USEC Lab - no waste
	G-710-23	10/15/2009	☐	☑	USEC Lab - no waste
	G-710-23	10/30/2009	☐	☑	USEC Lab - no waste
	G-710-23	11/17/2009	☐	☑	USEC Lab - no waste
	G-710-23	11/30/2009	☐	☑	USEC Lab - no waste
	G-710-23	12/17/2009	☐	☑	USEC Lab - no waste
	G-710-23	12/30/2009	☐	☑	USEC Lab - no waste
	S-710-05	1/1/2009	☐	☑	USEC Lab
	S-710-05	1/23/2009	☐	☑	USEC Lab
	S-710-05	2/13/2009	☐	☑	USEC Lab

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	S-710-05	3/10/2009	☐	☑	USEC Lab
	S-710-05	3/23/2009	☐	☑	USEC Lab
	S-710-05	4/15/2009	☐	☑	USEC Lab
	S-710-05	5/13/2009	☐	☑	USEC Lab
	S-710-05	6/8/2009	☐	☑	USEC Lab
	S-710-05	7/1/2009	☐	☑	USEC Lab
	S-710-05	7/29/2009	☐	☑	USEC Lab
	S-710-05	8/21/2009	☐	☑	USEC Lab
	S-710-05	9/17/2009	☐	☑	USEC Lab
	S-710-05	10/9/2009	☐	☑	USEC Lab
	S-710-05	11/20/2009	☐	☑	USEC Lab
	S-710-05	12/10/2009	☐	☑	USEC Lab
	S-710-06	1/15/2009	☐	☑	USEC Lab

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	S-710-06	1/26/2009	☐	☑	USEC Lab
	S-710-06	2/16/2009	☐	☑	USEC Lab
	S-710-06	2/27/2009	☐	☑	USEC Lab
	S-710-06	3/18/2009	☐	☑	USEC Lab
	S-710-06	4/6/2009	☐	☑	USEC Lab
	S-710-06	4/29/2009	☐	☑	USEC Lab
	S-710-06	5/13/2009	☐	☑	USEC Lab
	S-710-06	5/28/2009	☐	☑	USEC Lab
	S-710-06	6/12/2009	☐	☑	USEC Lab
	S-710-06	6/29/2009	☐	☑	USEC Lab
	S-710-06	7/16/2009	☐	☑	USEC Lab
	S-710-06	7/30/2009	☐	☑	USEC Lab
	S-710-06	8/10/2009	☐	☑	USEC Lab

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	S-710-06	8/27/2009	☐	☑	USEC Lab
	S-710-06	9/17/2009	☐	☑	USEC Lab
	S-710-06	9/29/2009	☐	☑	USEC Lab
	S-710-06	10/15/2009	☐	☑	USEC Lab
	S-710-06	10/30/2009	☐	☑	USEC Lab
	S-710-06	11/17/2009	☐	☑	USEC Lab
	S-710-06	11/30/2009	☐	☑	USEC Lab
	S-710-06	12/17/2009	☐	☑	USEC Lab
	S-710-06	12/30/2009	☐	☑	USEC Lab
	S-710-10	1/15/2009	☐	☑	USEC Lab
	S-710-10	1/26/2009	☐	☑	USEC Lab
	S-710-10	2/16/2009	☐	☑	USEC Lab
	S-710-10	2/27/2009	☐	☑	USEC Lab

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	S-710-10	3/18/2009	☐	☑	USEC Lab
	S-710-10	4/6/2009	☐	☑	USEC Lab
	S-710-10	4/29/2009	☐	☑	USEC Lab
	S-710-10	5/13/2009	☐	☑	USEC Lab
	S-710-10	5/28/2009	☐	☑	USEC Lab
	S-710-10	6/12/2009	☐	☑	USEC Lab
	S-710-10	6/29/2009	☐	☑	USEC Lab
	S-710-10	7/16/2009	☐	☑	USEC Lab
	S-710-10	7/30/2009	☐	☑	USEC Lab
	S-710-10	8/10/2009	☐	☑	USEC Lab
	S-710-10	8/27/2009	☐	☑	USEC Lab
	S-710-10	9/17/2009	☐	☑	USEC Lab
	S-710-10	9/29/2009	☐	☑	USEC Lab

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	S-710-10	10/15/2009	☐	☑	USEC Lab
	S-710-10	10/30/2009	☐	☑	USEC Lab
	S-710-10	11/17/2009	☐	☑	USEC Lab
	S-710-10	11/30/2009	☐	☑	USEC Lab
	S-710-10	12/17/2009	☐	☑	USEC Lab
	S-710-10	12/30/2009	☐	☑	USEC Lab
	S-710-16	1/15/2009	☐	☑	USEC Lab
	S-710-16	1/26/2009	☐	☑	USEC Lab
	S-710-16	2/16/2009	☐	☑	USEC Lab
	S-710-16	2/27/2009	☐	☑	USEC Lab
	S-710-16	3/18/2009	☑	☑	USEC Lab
	S-710-16	4/6/2009	☐	☑	USEC Lab
	S-710-16	4/29/2009	☐	☑	USEC Lab

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	S-710-16	5/13/2009	☐	☑	USEC Lab
	S-710-16	5/28/2009	☐	☑	USEC Lab
	S-710-16	6/12/2009	☐	☑	USEC Lab
	S-710-16	6/29/2009	☐	☑	USEC Lab
	S-710-16	7/16/2009	☐	☑	USEC Lab
	S-710-16	7/30/2009	☐	☑	USEC Lab
	S-710-16	8/10/2009	☐	☑	USEC Lab
	S-710-16	8/27/2009	☐	☑	USEC Lab
	S-710-16	9/17/2009	☐	☑	USEC Lab
	S-710-16	9/29/2009	☐	☑	USEC Lab
	S-710-16	10/15/2009	☐	☑	USEC Lab
	S-710-16	10/30/2009	☐	☑	USEC Lab
	S-710-16	11/17/2009	☐	☑	USEC Lab

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	S-710-16	11/30/2009	☐	☑	USEC Lab
	S-710-16	12/17/2009	☐	☑	USEC Lab
	S-710-16	12/30/2009	☐	☑	USEC Lab
	S-710-18	1/15/2009	☐	☑	USEC Lab
	S-710-18	1/26/2009	☐	☑	USEC Lab
	S-710-18	2/16/2009	☐	☑	USEC Lab
	S-710-18	2/27/2009	☐	☑	USEC Lab
	S-710-18	3/27/2009	☐	☑	USEC Lab
	S-710-18	4/6/2009	☐	☑	USEC Lab
	S-710-18	4/29/2009	☐	☑	USEC Lab
	S-710-18	5/13/2009	☐	☑	USEC Lab
	S-710-18	5/28/2009	☐	☑	USEC Lab
	S-710-18	6/12/2009	☐	☑	USEC Lab

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	S-710-18	6/29/2009	☐	☑	USEC Lab
	S-710-18	7/16/2009	☐	☑	USEC Lab
	S-710-18	7/30/2009	☐	☑	USEC Lab
	S-710-18	8/10/2009	☐	☑	USEC Lab
	S-710-18	8/27/2009	☐	☑	USEC Lab
	S-710-18	9/17/2009	☐	☑	USEC Lab
	S-710-18	9/29/2009	☐	☑	USEC Lab
	S-710-18	10/15/2009	☐	☑	USEC Lab
	S-710-18	10/30/2009	☐	☑	USEC Lab
	S-710-18	11/17/2009	☐	☑	USEC Lab
	S-710-18	11/30/2009	☐	☑	USEC Lab
	S-710-18	12/17/2009	☐	☑	USEC Lab
	S-710-18	12/30/2009	☐	☑	USEC Lab

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	S-710-38	1/15/2009	☐	☑	USEC Lab - no PCB items
	S-710-38	1/26/2009	☐	☑	USEC Lab - no PCB items
	S-710-38	2/16/2009	☐	☑	USEC Lab - no PCB items
	S-710-38	2/27/2009	☐	☑	USEC Lab - no PCB items
	S-710-38	3/18/2009	☐	☑	USEC Lab - no PCB items
	S-710-38	4/6/2009	☐	☑	USEC Lab - no PCB items
	S-710-38	4/29/2009	☐	☑	USEC Lab - no PCB items
	S-710-38	5/13/2009	☐	☑	USEC Lab - no PCB items
	S-710-38	5/28/2009	☐	☑	USEC Lab - no PCB items
	S-710-38	6/12/2009	☐	☑	USEC Lab - no PCB items
	S-710-38	6/29/2009	☐	☑	USEC Lab - no PCB items
	S-710-38	7/16/2009	☐	☑	USEC Lab - no PCB items
	S-710-38	7/30/2009	☐	☑	USEC Lab - no PCB items

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	S-710-38	8/10/2009	☐	☑	USEC Lab - no PCB items
	S-710-38	8/27/2009	☐	☑	USEC Lab - no PCB items
	S-710-38	9/17/2009	☐	☑	USEC Lab - no PCB items
	S-710-38	9/29/2009	☐	☑	USEC Lab - no PCB items
	S-710-38	10/15/2009	☐	☑	USEC Lab - no PCB items
	S-710-38	10/30/2009	☐	☑	USEC Lab - no PCB items
	S-710-38	11/17/2009	☐	☑	USEC Lab - no PCB items
	S-710-38	11/30/2009	☐	☑	USEC Lab - no PCB items
	S-710-38	12/17/2009	☐	☑	USEC Lab - no PCB items
	S-710-38	12/30/2009	☐	☑	USEC Lab - no PCB items
	S-710-41	1/15/2009	☐	☑	USEC Lab
	S-710-41	1/26/2009	☐	☑	USEC Lab
	S-710-41	2/16/2009	☐	☑	USEC Lab

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	S-710-41	2/27/2009	☐	☑	USEC Lab
	S-710-41	3/8/2009	☐	☑	USEC Lab
	S-710-41	4/6/2009	☐	☑	USEC Lab
	S-710-41	4/29/2009	☐	☑	USEC Lab
	S-710-41	5/13/2009	☐	☑	USEC Lab
	S-710-41	5/28/2009	☐	☑	USEC Lab
	S-710-41	6/12/2009	☐	☑	USEC Lab
	S-710-41	6/29/2009	☐	☑	USEC Lab
	S-710-41	7/16/2009	☐	☑	USEC Lab
	S-710-41	7/30/2009	☐	☑	USEC Lab
	S-710-41	8/10/2009	☐	☑	USEC Lab
	S-710-41	8/27/2009	☐	☑	USEC Lab
	S-710-41	9/17/2009	☐	☑	USEC Lab

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	S-710-41	9/29/2009	☐	☑	USEC Lab
	S-710-41	10/15/2009	☐	☑	USEC Lab
	S-710-41	10/30/2009	☐	☑	USEC Lab
	S-710-41	11/17/2009	☐	☑	USEC Lab
	S-710-41	11/30/2009	☐	☑	USEC Lab
	S-710-41	12/17/2009	☐	☑	USEC Lab
	S-710-41	12/30/2009	☐	☑	USEC Lab
	S-710-46	1/15/2009	☐	☑	USEC Lab
	S-710-46	1/26/2009	☐	☑	USEC Lab
	S-710-46	2/16/2009	☐	☑	USEC Lab
	S-710-46	2/27/2009	☐	☑	USEC Lab
	S-710-46	3/18/2009	☐	☑	USEC Lab
	S-710-46	4/6/2009	☐	☑	USEC Lab

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	S-710-46	4/29/2009	☐	☑	USEC Lab
	S-710-46	5/13/2009	☐	☑	USEC Lab
	S-710-46	5/28/2009	☐	☑	USEC Lab
	S-710-46	6/12/2009	☐	☑	USEC Lab
	S-710-46	6/29/2009	☐	☑	USEC Lab
	S-710-46	7/16/2009	☐	☑	USEC Lab
	S-710-46	7/30/2009	☐	☑	USEC Lab
	S-710-46	8/10/2009	☐	☑	USEC Lab
	S-710-46	8/27/2009	☐	☑	USEC Lab
	S-710-46	9/17/2009	☐	☑	USEC Lab
	S-710-46	9/29/2009	☐	☑	USEC Lab
	S-710-46	10/15/2009	☐	☑	USEC Lab
	S-710-46	10/30/2009	☐	☑	USEC Lab

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	S-710-46	11/17/2009	☐	☑	USEC Lab
	S-710-46	11/30/2009	☐	☑	USEC Lab
	S-710-46	12/17/2009	☐	☑	USEC Lab
	S-710-46	12/30/2009	☐	☑	USEC Lab
	S-710-64	1/15/2009	☐	☑	USEC Lab
	S-710-64	1/26/2009	☐	☑	USEC Lab
	S-710-64	2/16/2009	☐	☑	USEC Lab
	S-710-64	2/27/2009	☐	☑	USEC Lab
	S-710-64	3/18/2009	☐	☑	USEC Lab
	S-710-64	4/6/2009	☐	☑	USEC Lab
	S-710-64	4/29/2009	☐	☑	USEC Lab
	S-710-64	5/13/2009	☐	☑	USEC Lab
	S-710-64	5/28/2009	☐	☑	USEC Lab

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	S-710-64	6/12/2009	☐	☑	USEC Lab
	S-710-64	6/29/2009	☐	☑	USEC Lab
	S-710-64	7/16/2009	☐	☑	USEC Lab
	S-710-64	7/30/2009	☐	☑	USEC Lab
	S-710-64	8/10/2009	☐	☑	USEC Lab
	S-710-64	8/27/2009	☐	☑	USEC Lab
	S-710-64	9/17/2009	☐	☑	USEC Lab
	S-710-64	9/29/2009	☐	☑	USEC Lab
	S-710-64	10/15/2009	☐	☑	USEC Lab
	S-710-64	10/30/2009	☐	☑	USEC Lab
	S-710-64	11/17/2009	☐	☑	USEC Lab
	S-710-64	11/30/2009	☐	☑	USEC Lab
	S-710-64	12/17/2009	☐	☑	USEC Lab

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	S-710-64	12/30/2009	☐	☑	USEC Lab
C-727					
	G-727-01	1/21/2009	☐	☑	
	G-727-01	2/19/2009	☐	☑	
	G-727-01	3/20/2009	☐	☑	
	G-727-01	4/16/2009	☐	☑	
	G-727-01	5/14/2009	☐	☑	
	G-727-01	6/10/2009	☐	☑	
	G-727-01	7/9/2009	☐	☑	area is empty
	G-727-01	8/7/2009	☐	☑	area is empty
	G-727-01	9/3/2009	☐	☑	area is empty
	G-727-01	10/28/2009	☐	☑	area is empty
	G-727-01	11/23/2009	☐	☑	area is empty

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-727-01	12/17/2009	☐	☑	area is empty
C-733					
	DOE	1/21/2009	☐	☑	
	DOE	2/18/2009	☐	☑	
	DOE	3/18/2009	☐	☑	
	DOE	4/15/2009	☐	☑	
	DOE	5/13/2009	☐	☑	
	DOE	6/10/2009	☐	☑	
	DOE	7/8/2009	☐	☑	
	DOE	8/5/2009	☐	☑	
	DOE	9/2/2009	☐	☑	
	DOE	9/30/2009	☐	☑	
	DOE	10/28/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	DOE	11/23/2009	☐	☑	
	DOE	12/21/2009	☐	☑	
C-746-A					
	C-746-H4	1/14/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-746-H4	1/28/2009	☐	☐	ICE STORM - PRS CLOSED
	C-746-H4	2/2/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-746-H4	2/11/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-746-H4	2/25/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-746-H4	3/11/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-746-H4	3/25/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-746-H4	4/8/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-746-H4	4/22/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-746-H4	4/29/2009	☐	☑	NOT MARKED WITH PCB M-L

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	C-746-H4	5/13/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-746-H4	5/27/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-746-H4	6/4/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-746-H4	6/24/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-746-H4	7/8/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-746-H4	7/15/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-746-H4	7/29/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-746-H4	8/12/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-746-H4	8/26/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-746-H4	9/9/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-746-H4	9/23/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-746-H4	10/7/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-746-H4	10/21/2009	☐	☑	NOT MARKED WITH PCB M-L

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	C-746-H4	11/4/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-746-H4	11/18/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-746-H4	12/2/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-746-H4	12/14/2009	☐	☑	NOT MARKED WITH PCB M-L
	C-746-H4	12/30/2009	☐	☑	NOT MARKED WITH PCB M-L
	DOE	1/6/2009	☐	☑	
	DOE	2/3/2009	☐	☑	
	DOE	3/3/2009	☐	☑	
	DOE	3/30/2009	☐	☑	
	DOE	4/28/2009	☐	☑	
	DOE	5/26/2009	☐	☑	
	DOE	6/23/2009	☐	☑	
	DOE	6/30/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	DOE	7/21/2009	☐	☑	
	DOE	8/18/2009	☐	☑	
	DOE	9/15/2009	☐	☑	
	DOE	10/13/2009	☐	☑	
	DOE	11/10/2009	☐	☑	
	DOE	12/8/2009	☑	☑	
C-746-B					
	DOE	1/8/2009	☐	☑	
	DOE	2/5/2009	☐	☑	
	DOE	3/5/2009	☐	☑	
	DOE	4/2/2009	☐	☑	
	DOE	4/30/2009	☐	☑	
	DOE	5/28/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	DOE	6/25/2009	☐	☑	NO WASTE IN STORAGE
	DOE	7/23/2009	☐	☑	NO WASTE IN STORAGE
	DOE	8/20/2009	☐	☑	NO WASTE IN STORAGE
	DOE	9/17/2009	☐	☑	
	DOE	9/18/2009	☐	☑	
	DOE	10/15/2009	☐	☑	
	DOE	10/29/2009	☐	☑	No waste in storage. Inspection discontinued.
C-746-P2					
	G-746-P2-01	1/6/2009	☐	☑	
	G-746-P2-01	1/20/2009	☐	☑	
	G-746-P2-01	2/3/2009	☐	☑	
	G-746-P2-01	2/17/2009	☐	☑	
	G-746-P2-01	3/3/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-746-P2-01	3/17/2009	☐	☑	
	G-746-P2-01	3/31/2009	☐	☑	
	G-746-P2-01	4/14/2009	☐	☑	
	G-746-P2-01	4/27/2009	☐	☑	
	G-746-P2-01	5/11/2009	☐	☑	
	G-746-P2-01	5/22/2009	☐	☑	
	G-746-P2-01	6/5/2009	☐	☑	
	G-746-P2-01	6/19/2009	☐	☑	
	G-746-P2-01	7/1/2009	☐	☑	
	G-746-P2-01	7/15/2009	☐	☑	
	G-746-P2-01	7/24/2009	☐	☑	
	G-746-P2-01	8/7/2009	☐	☑	
	G-746-P2-01	8/21/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-746-P2-01	9/4/2009	☐	☑	
	G-746-P2-01	9/18/2009	☐	☑	
	G-746-P2-01	10/2/2009	☐	☑	
	G-746-P2-01	10/16/2009	☐	☑	
	G-746-P2-01	10/30/2009	☐	☑	
	G-746-P2-01	11/13/2009	☐	☑	
	G-746-P2-01	11/20/2009	☐	☑	
	G-746-P2-01	12/4/2009	☐	☑	
	G-746-P2-01	12/18/2009	☐	☑	
C-746-Q					
	DOE	1/21/2009	☐	☑	
	DOE	1/30/2009	☐	☑	
	DOE	2/18/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	DOE	3/18/2009	☐	☑	
	DOE	4/15/2009	☐	☑	
	DOE	5/13/2009	☐	☑	
	DOE	6/10/2009	☐	☑	
	DOE	7/8/2009	☐	☑	
	DOE	8/5/2009	☐	☑	
	DOE	9/2/2009	☐	☑	
	DOE	9/30/2009	☐	☑	
	DOE	10/28/2009	☐	☑	
	DOE	11/23/2009	☐	☑	
	DOE	12/2/2009	☐	☑	
	DOE	12/10/2009	☐	☑	
	DOE	12/21/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
C-752-A					
	DOE	1/30/2009	☐	☑	
	DOE	2/26/2009	☐	☑	
	DOE	3/26/2009	☐	☑	
	DOE	4/23/2009	☐	☑	
	DOE	5/20/2009	☐	☑	
	DOE	6/18/2009	☐	☑	
	DOE	7/16/2009	☐	☑	
	DOE	8/13/2009	☐	☑	
	DOE	9/10/2009	☐	☑	
	DOE	10/8/2009	☐	☑	
	DOE	11/5/2009	☐	☑	
	DOE	12/3/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	DOE	12/28/2009	☐	☑	
C-753-A					
	DOE	1/8/2009	☐	☑	
	DOE	2/5/2009	☐	☑	
	DOE	3/5/2009	☐	☑	
	DOE	4/2/2009	☐	☑	
	DOE	4/30/2009	☐	☑	
	DOE	5/28/2009	☐	☑	
	DOE	6/25/2009	☐	☑	
	DOE	7/23/2009	☐	☑	
	DOE	8/20/2009	☐	☑	
	DOE	9/17/2009	☐	☑	
	DOE	10/15/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	DOE	11/12/2009	☐	☑	
	DOE	12/10/2009	☐	☑	
C-755					
	G-755-V-01	1/14/2009	☐	☑	NOT MARKED WITH PCB M-L
	G-755-V-01	1/28/2009	☐	☐	ICE STORM - PRS CLOSED
	G-755-V-01	2/2/2009	☐	☑	NOT MARKED WITH PCB M-L
	G-755-V-01	2/11/2009	☐	☑	NOT MARKED WITH PCB M-L
	G-755-V-01	2/25/2009	☐	☑	NOT MARKED WITH PCB M-L
	G-755-V-01	3/11/2009	☐	☑	NOT MARKED WITH PCB M-L
	G-755-V-01	3/25/2009	☐	☑	NOT MARKED WITH PCB M-L
	G-755-V-01	4/8/2009	☐	☑	NOT MARKED WITH PCB M-L
	G-755-V-01	4/22/2009	☐	☑	NOT MARKED WITH PCB M-L
	G-755-V-01	4/29/2009	☐	☑	NOT MARKED WITH PCB M-L

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-755-V-01	5/13/2009	☐	☑	NOT MARKED WITH PCB M-L
	G-755-V-01	5/27/2009	☐	☑	NOT MARKED WITH PCB M-L
	G-755-V-01	6/10/2009	☐	☑	NOT MARKED WITH PCB M-L
	G-755-V-01	6/24/2009	☐	☑	NOT MARKED WITH PCB M-L
	G-755-V-01	7/8/2009	☐	☑	NOT MARKED WITH PCB M-L
	G-755-V-01	7/15/2009	☐	☑	NOT MARKED WITH PCB M-L
	G-755-V-01	7/29/2009	☐	☑	NOT MARKED WITH PCB M-L
	G-755-V-01	8/12/2009	☐	☑	NOT MARKED WITH PCB M-L
	G-755-V-01	8/26/2009	☐	☑	NOT MARKED WITH PCB M-L
	G-755-V-01	9/9/2009	☐	☑	NOT MARKED WITH PCB M-L
	G-755-V-01	9/23/2009	☐	☑	NOT MARKED WITH PCB M-L
	G-755-V-01	10/7/2009	☐	☑	NOT MARKED WITH PCB M-L
	G-755-V-01	10/21/2009	☐	☑	NOT MARKED WITH PCB M-L

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-755-V-01	11/4/2009	☐	☑	NOT MARKED WITH PCB M-L
	G-755-V-01	11/18/2009	☐	☑	NOT MARKED WITH PCB M-L
	G-755-V-01	12/2/2009	☐	☑	NOT MARKED WITH PCB M-L
	G-755-V-01	12/16/2009	☐	☑	NOT MARKED WITH PCB M-L
	G-755-V-01	12/30/2009	☐	☑	NOT MARKED WITH PCB M-L
	S-755-V01	12/30/2009	☐	☑	NOT MARKED WITH PCB M-L
	S-755-V-01	11/4/2009	☐	☑	NOT MARKED WITH PCB M-L
	S-755-V-01	11/18/2009	☐	☑	NOT MARKED WITH PCB M-L
	S-755-V-01	12/2/2009	☐	☑	NOT MARKED WITH PCB M-L
	S-755-V-01	12/16/2009	☐	☑	NOT MARKED WITH PCB M-L
C-757					
	G-757-01	1/21/2009	☐	☑	
	G-757-01	2/19/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-757-01	3/20/2009	☐	☑	
	G-757-01	4/16/2009	☐	☑	
	G-757-01	5/14/2009	☐	☑	
	G-757-01	6/10/2009	☐	☑	
	G-757-01	7/9/2009	☐	☑	
	G-757-01	8/7/2009	☐	☑	
	G-757-01	9/3/2009	☐	☑	
	G-757-01	10/2/2009	☐	☑	
	G-757-01	10/28/2009	☐	☑	
	G-757-01	11/23/2009	☐	☑	liquids transferred to DOE
	G-757-01	12/17/2009	☐	☑	liquids transferred to DOE
MURTCO					
	G-MURT-01	1/21/2009	☐	☑	

Table 7.1 Waste Area Inspection Report Summary (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-MURT-01	2/19/2009	☐	☑	
	G-MURT-01	3/20/2009	☐	☑	
	G-MURT-01	4/16/2009	☐	☑	PCB dedicated equipment
	G-MURT-01	5/14/2009	☐	☑	PCB dedicated equipment
	G-MURT-01	6/10/2009	☐	☑	PCB dedicated equipment
	G-MURT-01	7/9/2009	☐	☑	No waste present. Empty storage tanks only.
	G-MURT-01	8/7/2009	☐	☑	No waste present. Empty storage tanks only.
	G-MURT-01	9/3/2009	☐	☑	No waste present. Empty storage tanks only.
	G-MURT-01	10/2/2009	☐	☑	
	G-MURT-01	10/28/2009	☐	☑	
	G-MURT-01	11/23/2009	☐	☑	
	G-MURT-01	12/17/2009	☐	☑	Empty dedicated poly tanks, no waste

8. SPILL REPORTS

This section contains a summary of all new PCB spills that occurred during CY 2009 at PGDP, including spills with detectable but less than 50 ppm PCB. (Table 8.1) Nongasket spills are from PCB transformers, large capacitors, light ballasts, and other electrical equipment or oil-bearing equipment, and drummed wastes. Gasket spills are leaks/spills of oil leaching through the PCB-impregnated gaskets in the ventilation ductwork in the process buildings and are considered to be high concentration PCB spills (greater than or equal to 500 ppm).

Table 8.1 Summary of All New PCB Spills at PGDP in CY 2009

REPORT NUMBER	SPILL DATE	SPILL TIME	BUILDING	COLUMN	RESPONSE	TSCA REPORTABLE Yes/No	COMMENTS	PCB (ppm)	DATE COMPLETED
New Gasket Spills:									
1867	1/6/09	9:07	C-331	M-14	Restricted Access Notified Maintenance Cleaned Verified	N	Maintenance completed 4/3/09: 6 troughs, 1 pan, new drip leg, 104 hr. 1S clean. Between cols. M/N 14/13, untroughed gasket, flagged, posted, 1 drop on floor in 100cm2 area, requested seven new troughs and one drip leg (one gasket has dripped to floor, adjacent gaskets are about to drip.	>500	5/28/2009
1868	1/20/09	9:50	C-331	K-27	Restricted Access Notified Maintenance Cleaned Verified	N	Maintenance installed pan and new pot at K-27, 33 hours, work request PRS-09-MD-133. 1S clean. 1S clean. 3 areas 100cm2 each, 3 individual samples, requested 1 trough and drip leg.	>500	3/30/2009
1869	1/20/09	10:03	C-331	W-21	Restricted Access Notified Maintenance Cleaned Verified	N	Maintenance installed 3 troughs and drip leg/pot at W-21, 25 hours, work request PRS-09-MD-135. 1S clean. Sampled 2/12/09. 4 drops within 500cm2 area, 1 random sample; requested 1 trough and 1 drip leg.	>500	3/30/2009
1870	1/26/09	9:34	C-331	W-20	Restricted Access Notified Maintenance Cleaned Verified	N	Maintenance installed 2 troughs and a pan and connected to pot at W-20, 70 hours. 1S clean. 2 drops on floor, each spot is 100cm2, from untroughed gasket, 2 samples.	>500	3/30/2009
1871	3/12/09	11:06	C-331	AA-21	Restricted Access Notified Maintenance Cleaned Verified	N	Maintenance completed 4/6/09: repaired leak and caulked seals, 21 hr. 1S sample clean. Sampled 3/26/09. 3 drops from end cap on concrete floor in 500cm2 area; requires 1 random sample; requested repair.	>500	5/28/2009

Table 8.1 Summary of All New PCB Spills at PGDP in CY 2009 (Continued)

REPORT NUMBER	SPILL DATE	SPILL TIME	BUILDING	COLUMN	RESPONSE	TSCA REPORTABLE Yes/No	COMMENTS	PCB (ppm)	DATE COMPLETED
New Gasket Spills:									
1872	4/3/09	10:15	C-331	H-20	Restricted Access Notified Maintenance Cleaned Verified	N	Maintenance installed 2 pans and drip leg. Sample set 1S was clean, 2S and 3S were cancelled. Sampled 5/14/09, 7pt MRI SAP, Sample #2 was of new oil drop which was not under any trough/gasket. 4/9/09, the bulk sample results of oil found on plastic was 3730 ppm, USEC requested sample of oil found on plastic the morning of 4/6/09. On 4/3/09, double washed/rinsed with Soygold, rinsed with 409, 2 areas less than 1500 cm2 each, in about 1 ft by 4 ft area between H-20/G-20 near USEC FCA. Appears to be leaking from a trough component (elbow to pan joint.) USEC HP moved FCA CCZ rope over about 3 ft from spill before we began cleaning. Spill reported by USEC; building supervisor showed specific spill area to clean.	>500	6/23/2009
1873	4/3/09	10:13	C-331	H-19	Restricted Access Cleaned	N	Requested SST to install 2 more pans under elbows above light fixture, and wipe off the light fixture where oil dripped onto light and runoff into containment pans below in FCA. Maintenance installed one pan and tied into drip leg. Containment pans/drum must be disposed, no sampling required. On 4/9/09, bulk oil sample results of oil in pans were 429 ppm, USEC Mike Golightly requested sample of additional drops found in 2 FCA spill containment pans the morning of 4/6/09. USEC Chem Ops cleaned 2 pans Saturday 4/4/09. Leak appears to be from a trough component (elbow to pan joint,) with a few drops falling into two containment pans in USEC FCA, reported by USEC at 4:30 pm. Also see 1872.	>500	Incomplete
1874	4/14/09	9:02	C-331	M-30	Restricted Access Notified Maintenance Cleaned Verified	N	Rec'd 7/28/09; Maintenance installed 1 5-ft pan and connected to Col M-31. 1S clean, waiting on SST maintenance. Sampled 4/27/09. 2 drops on floor in 100cm2 area between L/M-30/31; 1 sample, 1 trough.	>500	7/30/2009

Table 8.1 Summary of All New PCB Spills at PGDP in CY 2009 (Continued)

REPORT NUMBER	SPILL DATE	SPILL TIME	BUILDING	COLUMN	RESPONSE	TSCA REPORTABLE Yes/No	COMMENTS	PCB (ppm)	DATE COMPLETED
New Gasket Spills:									
1875	4/14/09	9:07	C-331	P-32	Restricted Access Notified Maintenance Cleaned Verified	N	Can close as clean, received assessment. Rec'd 7/28/09, Maintenance installed 2 small pans and piped to col P-31. 7/15/09: 4S clean, 5S deactivated. 6/18/09, resampled and recleaned 4S & 5S. 1S 11 ug/100cm2, 2S & 3S were deactivated by mistake, must resample. Sampled 4/27/09. 1 drop on floor 100cm2; requires 1 sample, 1 trough plus tie dripleg to several nearby high troughs.	>500	8/6/2009
1876	4/20/09	14:05	C-337	Y-19	Restricted Access Notified Maintenance Cleaned	N	Need to check under plenum and fan/motor and probably need to reclean, and use manlift and wipe off oil that has run along the outside of the piping. SST Maintenance completed 5/18/09: 1 6-ft pan, 1 40-inch pan, under leaks in old pan, and elbows and drip leg at X-19 replaced, total 36 hr for SST. 5/11/09 walkdown, still dripping, must add to spill area. Multiple drips from PVC/elbows under metal vent plenum. Drips ran down drip leg at X-19 onto column (around 3 sides), drip leg braces, rad rope, and floor on south side of X-19. Other elbows leaked and dripped onto floor at Y-19, west of Y-19, and midway of X-18/19 to Y-18/19. Total area approximately 16 ft wide by 24 ft long, plus 2 by 6 ft on column X-19. Need at least 4 elbows and the drip leg replaced. SST to repair elbows w/o cost, SST had previously installed PVC lines when relocating drip leg from Y-19 (inside CCZ) to X-19 (outside CCZ) and had not properly glued the PVC/elbows.	>500	Incomplete
1877	4/22/09	9:15	C-337	U-25	Restricted Access Notified Maintenance Cleaned Verified	N	Rec'd 7/28/09, Maintenance installed 2 12-ft pans at U-25 and tied to Ua-25. Waiting on Maintenance. 3S clean, 2S dirty, 1S dirty. Sampled 5/14/09. 1 drop on floor, 100cm2 area. Requested 2 new troughs and connect to new drip leg at col Ua-25.	>500	7/30/2009

Table 8.1 Summary of All New PCB Spills at PGDP in CY 2009 (Continued)

REPORT NUMBER	SPILL DATE	SPILL TIME	BUILDING	COLUMN	RESPONSE	TSCA REPORTABLE Yes/No	COMMENTS	PCB (ppm)	DATE COMPLETED
New Gasket Spills:									
1878	4/23/09	15:36	C-337	Y-25	Restricted Access Notified Maintenance Cleaned	N	Recirculating damper, actuators not yet cleaned (issues with working on USEC equipment) -- don't know if oil leak was stopped. Suggest a sample of oil/residue on the dampers, AND off the actuators; clean or remove/dispose actuators as PCB waste. USEC HVAC crew's scissor lift and tools are PCB contaminated - did they spread contamination. USEC ID'd more contamination outside the filter room around Y-27 possibly from same leak; Ed was present at Y-27 when reported and saw no visible signs of oil drips on floor, however there was a fire water leak nearby. The drip leg at X-27 for the manifold system under the plenum is not full (very little liquid present) but nearby at X-28 is a pan containing at least 1 inch of standing oil under signs of recent large oil leak from ceiling. Additional cleaning plus enlarged contaminated area in Filter Room 9 due to water inleakage 4/27/09. Began initial cleaning on 4/24/09 11:00 AM. Walk-down 4/24/09 by Brian Honeycutt, Deb Smith, John Samples, Mike Ierverse; observed oil had migrated over approx 15 ft by 6 ft; trash inside spill area consists of wet/ molding/ disintegrating materials, mud, 2 8-ft PVC pipe, 1 4-ft green tipped light bulb. Initial cleaning started approx 11 AM 4/24/09 and completed at 1:00 pm. Oil has leaked through re-circulating damplers onto floor of Filter Room 9, onto 2 actuators, and along the top of red sprinkler pipe. USEC sampled oil leaking into filter room #9 with PCB results of 780 mg/kg. USEC flagged off area and shut down fan NE-18; NE-17A adjacent is already shut down for repairs. Free oil on floor in filter room #9 approx 1 by 4 ft noticed and reported to building supervisor by HVAC crew.	>500	Incomplete

Table 8.1 Summary of All New PCB Spills at PGDP in CY 2009 (Continued)

REPORT NUMBER	SPILL DATE	SPILL TIME	BUILDING	COLUMN	RESPONSE	TSCA REPORTABLE Yes/No	COMMENTS	PCB (ppm)	DATE COMPLETED
New Gasket Spills:									
1878 (Contd.)	4/23/09 (Contd.)	15:36 (Contd.)	C-337 (Contd.)	Y-25 (Contd.)	Restricted Access Notified Maintenance Cleaned (Contd.)	N (Contd.)	(Contd.) Began initial cleaning on 4/24/09 11:00 AM. Walk-down 4/24/09 by Brian Honeycutt, Deb Smith, John Samples, Mike Ierverse; observed oil had migrated over approx 15 ft by 6 ft; trash inside spill area consists of wet/ molding/ disintegrating materials, mud, 2 8-ft PVC pipe, 1 4-ft green tipped light bulb. Initial cleaning started approx 11 AM 4/24/09 and completed at 1:00 pm. Oil has leaked through re-circulating damplers onto floor of Filter Room 9, onto 2 actuators, and along the top of red sprinkler pipe. USEC sampled oil leaking into filter room #9 with PCB results of 780 mg/kg. USEC flagged off area and shut down fan NE-18; NE-17A adjacent is already shut down for repairs. Free oil on floor in filter room #9 approx 1 by 4 ft noticed and reported to building supervisor by HVAC crew.	>500 (Contd.)	Incomplete (Contd.)
1879	5/4/09	8:55	C-333	Jb-3	Restricted Access Notified Maintenance Cleaned Verified	N	Rec'd 7/28/09, Maintenance installed 8x10 inch pan under trough and piped to drip leg at N-43. Waiting on maintenance in order to close. 7/8/09, received data assessment, 1S is clean. Sampled 5/14/09. 27 drops on floor between columns Ja/Jb-2/3; less than 1500 cm2, 3 random samples; requested 4-6 new troughs and tie-in two existing high drip legs with new ground level drip leg.	>500	7/30/2009
1880	5/7/09	10:54	C-337	B-24	Restricted Access Cleaned	N	5/27/09 - still dripping oil from motor onto plastic covering the cleaned floor. Suggest sampling the oil drips. Cleaned 5/8/09. USEC must stop leak from their equipment. Leak coming from building exhaust vent system, at exhaust fan SE-20 and motor (new) leaked at/through housing/motor onto grimy floor between col B-24 and filter room wall, approx 15 ft by 6 ft. Originally reported by USEC and issued as non-gasket PCB-822 which was voided and replaced by gasket spill 1880.	>500	Incomplete

Table 8.1 Summary of All New PCB Spills at PGDP in CY 2009 (Continued)

REPORT NUMBER	SPILL DATE	SPILL TIME	BUILDING	COLUMN	RESPONSE	TSCA REPORTABLE Yes/No	COMMENTS	PCB (ppm)	DATE COMPLETED
New Gasket Spills:									
1881	5/8/09	9:45	C-337	C-24	Restricted Access Notified Maintenance Cleaned	N	Installed 4 pans, piping, pot and drain lines; replaced 90 deg elbows and tied into drip leg; replaced 2 small pans with one 10 ft pan, 127 maint hours. More leaks into filter room, USEC barricaded. 7/6/09 - more leaks from under motor, appears to have sprayed out over several feet. 6/18/09 - went up in manlift and wiped off pipes/sprinklers to prevent more runoff/drips and cleaned additional oil drops on floor between C-34 and B-24; also cleaned new area from leak under fan/motor at B-24 per discussion of ownership with USEC Environmental Compliance (see voided non-gasket spill PCB-823). USEC agreed to attempt to stop leakage from fan/motor and wipe off exterior and drum up contaminated booties/bins. 5/21/09 - additional areas identified and cleaned, one area appears to be broken elbow, will need a pan or replace elbow; added new areas to sampling grid map, waiting until leak stops before another clean and sampling. 5/11/09 - requested 2-6 pans and 1 drip leg under the leaking troughs; sampled 2 new oil spots near B-24 from elbow of manifold, both were PCBs above 10ug/100cm2; traced lube oil as cause of drips at area closest to C-24 and probable lube oil at C-24 under elbow of manifold. 5/8/09 - Multiple drips from leaking trough components at plenum around col C-24 onto 4 areas on the floor in truck alley. A weld has drips showing, a cross tee of two metal troughs has "u" cut-out, a screw on vertical side of metal trough shows signs of leakage, and an elbow has oil dripping off. Check all sources, some areas may be lube oil weeping over the troughs.	>500	Incomplete
1882	5/26/09	12:35	C-333	N43	Restricted Access Notified Maintenance Cleaned	N	4S is dirty - 17.6 ug/100cm2, plan to resample. 1S, 2S, 3S are dirty, must reclean/resample 4S. 1500 cm2 area on floor, 3 samples, need 1 metal pan under leaking PVC trough, plus new drip leg.	>500	5/13/2010

Table 8.1 Summary of All New PCB Spills at PGDP in CY 2009 (Continued)

REPORT NUMBER	SPILL DATE	SPILL TIME	BUILDING	COLUMN	RESPONSE	TSCA REPORTABLE Yes/No	COMMENTS	PCB (ppm)	DATE COMPLETED
New Gasket Spills:									
1883	6/23/09	14:00	C-333	FR7	Restricted Access Cleaned	N	Initial cleaning on 6/24/09. PRS/ES notified 6/24/09 at 9:49 AM for leak occurring on 6/23/09. USEC reported few drops leaked from ventilation louvers in Filter Room #7.	>500	Incomplete
1884	6/23/09	14:00	C-331	FR6	Restricted Access Cleaned	N	6/25/09: voided 1884 and transferred to nongasket spill number PCB-825; was lube oil <50 ppm - not anywhere near a gasket/vent duct. PRS/ES notified 6/24/09 at 9:49 AM for leak occurring on 6/23/09. USEC reported few drops leaked from ventilation louver.	>500	6/25/2009
1885	6/25/09	10:15	C-335	X-8/9	Voided spill report - is Lube Oil	N	Void 1885. USEC reported as 2 leaking gaskets but was lube oil leaking from ceiling per Ed King and Terris Smith. Void 1885.	< 50	6/25/2009
1886	7/7/09	8:22	C-310	D-14	Restricted Access Notified Maintenance Cleaned Verified	N	Installed 2 pans, 1 drip leg. 1S clean, 2S & 3S cancelled. Sampled 7-23-09. 7-7-09: 3 drops on floor from untroughed gasket, flagged, posted, and initial cleanup completed.	>500	11/12/2009
1887	7/7/09	8:26	C-310	D-13	Restricted Access Notified Maintenance Cleaned Verified	N	Installed 5 pans and 2 drip legs. 1S clean, 2S & 3S cancelled. Sampled 7-23-09. 7-7-09: 4 drops on floor from untroughed gasket, flagged, posted, and initial cleanup completed.	>500	11/12/2009
1888	7/7/09	12:35	C-337	C-41	Restricted Access Notified Maintenance Cleaned Verified	N	Installed 3 12 ft pans, piped together and 1 pot at C-41. 1S clean, 2S & 3S cancelled. Sampled 7-23-09. 7/7/09: 4 drops on floor in 3 100 cm2 areas; spill area is posted, flagged, initial cleanup completed, and maintenance request for 1- 3 PVC troughs and 1 drip leg.	>500	11/12/2009
1889	7/16/09	8:40	C-337	V-33	Restricted Access Notified Maintenance Cleaned Verified	N	Installed 7 pans, 1 trough, and tied into drain line. 1S clean, 2S & 3S cancelled. Sampled 7-23-09. 2 drops on floor in 100cm2 areas, requested 5-9 PVC troughs and 1 drip leg -- several gaskets have droplets that have not yet fallen.	>500	11/12/2009
1890	7/16/09	8:45	C-337	Ub-34	Restricted Access Notified Maintenance Cleaned	N	Installed 23 pans plus piping and pot. 3S clean. Sampled 7-23-09. 2 drops on ground floor in 100cm2 areas; requested 14 to 20 PVC troughs and 1 drip leg - several gaskets have droplets that have not yet fallen.	>500	3/1/2010

Table 8.1 Summary of All New PCB Spills at PGDP in CY 2009 (Continued)

REPORT NUMBER	SPILL DATE	SPILL TIME	BUILDING	COLUMN	RESPONSE	TSCA REPORTABLE Yes/No	COMMENTS	PCB (ppm)	DATE COMPLETED
New Gasket Spills:									
1891	7/27/09	9:35	C-337	Wb-42	Restricted Access Notified Maintenance Cleaned Verified	N	2S clean. Installed 3 pans, 3 troughs, piped and added valve and pot at Wb-41y. 5 drips on floor, each drip in 100cm2 area, between col Wb-42 and X-41. Requested 5-7 new PVC troughs and 1 drip leg. Drip leg to be placed on col Wb-41y.	>500	11/24/2009
1892	8/4/09	23:00	C-331	Truck Alley	Restricted Access Notified Maintenance Cleaned Verified	N	1S clean, can close as clean. Sampled 8/11/09. Repaired 8/5/09. Altered 2 7-pt MRI sample plans; total of 10 samples. Requested immediate repair of broken piping. Troughed gasket piping leaking onto concrete curb/floor of outside truck alley, north side by Hatch #4. Drips fell into area with dirt, debris, bird droppings; S&H (M.E. & S. B) determined because debris was damp and contained on the concrete then no S&H issue and normal PCB spill cleanup PPE is adequate (double gloves, Saranex apron) - no respirator required. Spill not reported to PRS until morning of 8/5/09 via fax PCB Data Sheet.	>500	8/26/2009
1893	8/17/09	10:19	C-333	Qa-32	Restricted Access Notified Maintenance Cleaned	N	Sampled 9/10/09. 8 drops on floor in 500 cm2 area falling from metal trough/pan, requested pan and drip leg installed.	>500	3/31/2010
1894	8/25/09	8:05	C-337	X-41	Restricted Access Notified Maintenance Cleaned	N	Cut out leaking fittings and replaced with new. Sampled 9/10/09. CCZ. Mulitple drips from trough joints, elbows onto 5 areas on floor in truck alley, from X-41 to X-38; 3 areas are 1500 cm2 and 2 are 100 cm2; requested repair to 4-6 troughs. Looks like maybe no Teflon tape used at trough joints. Nearby USEC lube oil spill from bad bearing upstairs; also near gasket spill 1891.	>500	Incomplete
1895	8/31/09	10:00	C-333	X-48	Restricted Access Notified Maintenance Cleaned	N	Sampled 9/10/09. Leak from transition ductwork onto floor, 2 areas 500 cm2 each, requires pans installed under existing troughing.	>500	3/31/2010
1896	9/1/09	9:43	C-333	C-4	USEC sampled the oil, cleaned area, closed as non-PCB	N	Closed as non-PCB (<5ppm.) Oil puddled on top of transformer/cabinet, no signs of leak from nearby trough, signs of past lube oil leaks; USEC sampled and results were <5ppm (lube oil.)	< 50	9/3/2009

Table 8.1 Summary of All New PCB Spills at PGDP in CY 2009 (Continued)

REPORT NUMBER	SPILL DATE	SPILL TIME	BUILDING	COLUMN	RESPONSE	TSCA REPORTABLE Yes/No	COMMENTS	PCB (ppm)	DATE COMPLETED
New Gasket Spills:									
1897	10/6/09	8:40	C-337	Ux-40	Restricted Access Notified Maintenance Cleaned	N	4 areas 100 cm2 each; 6-8 troughs, 1 drip leg at T-40.	>500	5/12/2010
1898	10/20/09	8:45	C-337	Cb-49	Restricted Access Notified Maintenance Cleaned	N	13 drips in 1500cm2 area, requires 3 random non-adjacent 100cm2 wipe samples; drips from untroughed gasket; requested 4-6 new troughs, change existing high troughs to low troughs and tie all together.	>500	Incomplete
1899	11/16/09	9:15	C-337	L-48	Restricted Access Notified Maintenance Cleaned	N	DMSA C-337-41, CCZ. Several drops in less than 500 cm2 area, requires 1 random sample. Requested 1-4 troughs and connect with 2 existing troughs and install one new drip leg on L-48.	>500	Incomplete
1900	11/30/09	9:24	C-337	Mb-48	Restricted Access Notified Maintenance Cleaned	N	CCZ. Untroughed gaskets dripped onto floor in 3 areas, each less than 1500cm2; requires 9 samples. Requested 4-8 troughs at col Mb-48 and connect with 2 existing high troughs and install one new drip leg on col. Ma-48	>500	Incomplete
1901	11/30/09	8:10	C-337	V-21	Restricted Access Notified Maintenance Cleaned	N	USEC broke a low drip leg; less than 1 gallon, approx 0.3 lb PCB. USEC is to clean, sample and repair.	>500	4/7/2010
1902	11/30/09		C-333	W-43	Restricted Access Notified Maintenance Cleaned	N	Existing trough dripping onto floor in less than 1500cm2 area; requires 3 random samples. Requested repair of sagging trough.	>500	3/31/2010
1903	12/1/09	9:16	C-335	D-25	Restricted Access Notified Maintenance Cleaned	N	Install 2-4 troughs, attach to 2 existing high troughs and install new drip leg. Two drops in 100cm2 area, 1 sample.	>500	Incomplete
1904	12/8/09	8:35	C-335	F-12	Restricted Access Notified Maintenance Cleaned	N	Untroughed gasket, 2 areas each 100cm2, 1 sample each; requested 4-7 troughs and new drip leg	>500	Incomplete
1905	12/8/09	8:37	C-335	F-13	Restricted Access Notified Maintenance Cleaned	N	Untroughed gasket, 1 area 100cm2, 1 sample; requested 1-3 troughs and new drip leg.	>500	Incomplete
New Gasket Spills: 39									
New Non-Gasket Spills									

Table 8.1 Summary of All New PCB Spills at PGDP in CY 2009 (Continued)

REPORT NUMBER	SPILL DATE	SPILL TIME	BUILDING	COLUMN	RESPONSE	TSCA REPORTABLE Yes/No	COMMENTS	PCB (ppm)	DATE COMPLETED
New Gasket Spills:									
816	3/2/09	13:35	C-746-B	D5	Restricted Access Cleaned	N	Small leak on side of drum KPDES 0012 lift station sludge, approx 8 ounces liquid on concrete outside door 5, approx 3 ft by 18 inches wide. Drum overpacked. Concrete washed.	<50ppm	3/2/2009
817	3/3/09	8:30	C-746-B	D5	Restricted Access, Cleaned, Overpacked	N	Small leak on side of drum KPDES 0012 lift station sludge, approx 8 ounces liquid on concrete and pallet inside door 5. Drum overpacked and concrete floor double washed/rinsed.	<50ppm	3/3/2009
818	3/5/09	12:55	C-752-A	B-03	Restricted Access Cleaned Verified	N	1S clean. RFD 11083 CAS-14860, C-335 concrete/sand, PCB source spill cleanup >500ppm, drum sample RC-CAS-14860 is 4.6 ppm. Double wash/rinse of floor and drum overpacked. MRI sampling plan: Area 1 = 7 pt; Area 2 = 1 random sample; Area 3 = 7 pt	>500ppm	4/2/2009
819	3/18/09	15:30	C-752-A	RTR trailer	Restricted Access Cleaned	N	Drum 40518-22 (CASX-16813), Alkali tank sludge, leaked in RTR trailer onto RTR rollers and turntable. Also washed bottom of 40518-117 (CASX-16908).	<50ppm	3/19/2009
820	4/3/09	10:13	C-331	G-19	converted to Gasket Spill Report 1873	N	Drops of oil falling into USEC Fissile Control Area secondary containment pans from troughing, reported by USEC. Nongasket spill report voided and reissued as Gasket Spill Report 1873.	>500ppm	4/3/09
821	4/28/09	12:15	C-746-A	F-1	Restricted Access Cleaned and Overpacked	N	Alkali tank sludge drum CASX-16803 (RFD 40518-12) leaked from bottom of drum onto metal dike floor approx 6 inches by 18 inches. Floor was double washed/rinsed with Soygold. Drum was overpacked.	<50ppm	4/28/2009
822	6/5/09	NR	C-337	B-24	Flagged, performing maint	N	7/30/09 TSCA Compliance audit, work area set up with hazard tape, hypalon, equip cart, Pyranol tank/hoses, and Nitrogen bottles. 6/11/09: USEC reported on 6/11/09 a spill that occurred on 6/5/09 on PCB Transformer U2C7 A, near the top from duct that connects tie switchgear and transformer. 5/7/09 voided spill report and reissued as Gasket spill 1880: building vent system, fan SE-20 leaking from housing/motor onto floor from col B-24 to filter room wall.	>500ppm	Incomplete

Table 8.1 Summary of All New PCB Spills at PGDP in CY 2009 (Continued)

REPORT NUMBER	SPILL DATE	SPILL TIME	BUILDING	COLUMN	RESPONSE	TSCA REPORTABLE Yes/No	COMMENTS	PCB (ppm)	DATE COMPLETED
New Gasket Spills:									
823	6/17/09	14:19	C-337	B-24	roped off 6/17/09, Voided, added to 1881	N	6/18/09 - Voided, all cleanup activities to be performed under Gasket Spill Report 1881, same source. USEC to drum bins and booties and repair fan/motor leaks, PRS to clean/sample the floor. 6/17/09 - Exhaust fan overhead, 4 ft by 3 ft area, 6 ft by 6 ft roped; oil dripping from motor into 2 bins containing rubber booties plus on floor. This spill is adjacent to gasket spill 1880.	>500ppm	6/17/2009
824	6/18/09	17:45	C-633	SE of -633	Restricted Access	N	6/23/09: USEC forwarded copy of paperwork. Spill report closed 6/19/09. USEC excavated an area of soil approx 8 by 9 ft, near C-633 Cooling Towers. Contaminated soil placed in a USEC B-25 box, RFD 48810W. Leak had occurred when transformer was being moved and was turned on its side. 6/19/09: USEC <50ppm abandoned transformer 3PH8 Main (ESY-1836, 29 ppm), approx 2 gallons spilled on ground in approx 5 ft by 5 ft area. (Must excavate soil/gravel and stop leak).	<50ppm	6/19/2009
825	6/23/09	14:00	C-331	Filter Room 6	Restricted Access Cleaned	N	This spill was initially reported as Gasket Spill 1884, but determined to be Lube oil leaking through opening in the ceiling, no contact with vent ducts/gaskets. USEC to clean. Inside Filter Room #6.	<50ppm	6/25/2009
826	7/3/09	1:30	C-337	Gb-22	Restricted Access, USEC to Clean/sample	N	7-29-09, per Brian Bell USEC will close by encapsulating. Light Ballast spill on ground floor at Gb-22, puddle approx 5 inches in diameter, area is flagged off and posted. Reported by Tim Sollenberger.	>500ppm	Incomplete
827	7/23/09	9:00	C-753-A	NW corner	Restricted Access Cleaned, disposed	N	3 drums with residual oily material leaking at bungs (4017, 3940, CAL-1428), flagged spill area, double washed/rinsed and covered with plastic, disposed as PCB waste in RFD 117267-01.	>500ppm	11/17/2009
828	7/28/09	14:00	C-753-A	NW corner	Restricted Access Cleaned, disposed	N	Small amount oily liquid leaking from bung of empty drums; flagged, double washed/rinsed, and covered with plastic. Drums disposed in RFD 117267-01.	>500ppm	11/17/2009
829	7/30/09	9:00	C-753-A	NW corner	Restricted Access Cleaned	N	Small amount approx 2 ounces leaking from bung of empty drum CAL-1427; double washed/rinsed and covered with plastic. Drum disposed in RFD 117267-01.	>500ppm	11/17/2009

Table 8.1 Summary of All New PCB Spills at PGDP in CY 2009 (Continued)

REPORT NUMBER	SPILL DATE	SPILL TIME	BUILDING	COLUMN	RESPONSE	TSCA REPORTABLE Yes/No	COMMENTS	PCB (ppm)	DATE COMPLETED
New Gasket Spills:									
830	8/13/09	9:05	C-746-Q	Scales	Restricted Access Cleaned	N	Small leak on side of drum leaked onto metal pallet and metal scale platform. Deconned with double wash/rinse with Soygold. No sampling required. Drum overpacked. Also RCRA Haz Waste F039.	<500ppm	8/13/2009
831	8/14/09	9:15	C-633	3PH4A	Restricted Access Cleaned	N	USEC cleaned and repaired leak. Several drops leaking out of the secondary buswork of C-633 transformer 3PH4A.	<50ppm	10/7/2009
832	11/30/09	20:45	C-337	K-6	flagged and posted	N	PCB Transformer 71P3B. Several drops on an absorbent pad. USEC to clean/sample.	>500ppm	Incomplete
833	12/8/09	12:45	C-410	col 10	Restricted Access Cleaned	N	D&D discovered leak in basement of C-410 between col 010 and 011- PCB Transformer SN335801 (Zone 54). Transformer to be disposed. Floor cleaned. Spill approx 26 in by 12 in. Performed double wash/rinse. Wally Malis to sample. Contact: R.G.Kuehn	>500ppm	Incomplete
834	12/17/09	11:00	C-337	U2C1-A	Restricted Access Cleaned, to sample	N	Transformer U2C1 A-substations at sample port for dielectric test; 6 inch diameter; flagging and posting in progress.	>500ppm	Incomplete
835	12/17/09	11:00	C-337	U6C1-B	Restricted Access Cleaned, to sample	N	Leaking at transformer U6C1 B-substation, few spots on floor; flagged off and posted, cleanup initiated.	>500ppm	Incomplete
NEW NON-GASKET SPILLS: 20									
NEW GASKET SPILLS: 39									
2009 TOTAL PCB SPILLS: 59									

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9. ASSUMPTIONS AND CALCULATIONS

In order to meet the TSCA requirements, weights are presented in kg throughout this document. The actual weight of each 55-gal drum of waste sometimes is not determined until the waste is prepared for off-site shipment for disposal. Consequently, the weight of waste not yet shipped is not available for this report. In order to estimate weight of all PCBs in a consistent manner, the following weight approximations have been developed as a guide for estimating individual drum weights. (Tables 9.1 and 9.2) These weight approximations are based on actual data collected over the past several years and include the weight of the drum. Weights of shipped wastes are based on the weight of the container or estimated volume of the shipment.

Table 9.1. Weight Approximations for Waste Not Yet Weighed

Solids	**Pounds/drum**	**Kilograms/drum**
Lighting ballasts	700	318
High-voltage large capacitors	100	45
Miscellaneous solids	200	91
Samples	200	91
Soil, sediment, gravel	700	318
Liquids	**Pounds/drum**	**Kilograms/drum**
Flush solvents	450	204
Lubrication oil	450	204
Laboratory waste solvents	450	204
Samples	450	204
Askarel	700	318

Table 9.2. Density Assumptions Used to Determine Weight of Items Not Yet Weighed

Item	**Density**
PCB contaminated liquids	8 - 15 lb/gal (concentrations dependent)
Weight of PCBs in PCB transformers	13 lb/gal x PCB concentration
Weight of PCB in PCB capacitors	13.5 lb/gal (assumes 100% PCBs in each capacitor)
Weight of PCBs in PCB-contaminated transformers and PCB-contaminated electrical equipment (PCB < 500 ppm)	8.34 lb/gal x PCB concentration

PCB concentrations in kg are calculated using the following formula:
PCB (kg) = (gal dielectric fluid) x (mg/kg PCB concentration) x (1 kg/1,000,000 mg) x (lb/gal density) x (0.4536 kg/lb)

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10. PCB WASTE SHIPMENT TELEPHONE LOG SHEETS

This section contains a copy of the telephone log for PCB waste shipments made during CY 2009, as required by 40 *CFR* § 761.208(a)(4) and § 761.180. (Table 10.1)

Table 10.1. Telephone Log for PCB Shipments Made from PGDP during CY 2009

Shipment ID #	Actual Ship Date	Carrier	UHWM #	UHWM Due Date	Date Manifest Received	TSCA	Confirmation email Received from Clive
6202-15-0104	01/23/09	P&L	001754683JJK	02/22/09	2/15/09	T	Email from Brittany Dick 2/12/09
6202-15-0105	01/23/09	P&L	001754684JJK	02/22/09	2/15/09	T	Email from Brittany Dick 2/12/09
6202-15-0106	02/13/09	P&L	001754685JJK	03/15/09	3/10/09	T	Email from Brittany Dick 3/2/09
6202-15-0107	02/13/09	P&L	001754686JJK	03/15/09	3/10/09	T	Email from Brittany Dick 3/2/09
6202-15-0108	02/13/09	Specialty	001754693JJK	03/15/09	3/10/09	T	Email from Brittany Dick 2/17/09
6202-15-0109	02/24/09	Specialty	001754694JJK	03/26/09	3/10/09	T	Email from Brittany Dick 2/27/09
6202-15-0110	02/24/09	Specialty	001754695JJK	03/26/09	3/10/09	T	Email from Brittany Dick 2/27/09
6202-15-0111	03/06/09	Specialty	001754697JJK	04/05/09	3/13/09	T	Email from Brittany Dick 3/11/09
9306-02-0016	03/13/09	Hittman	001754699JJK	04/12/09	3/13/09	RT	Email from Jeff Ginsberg 3/16/09
9306-02-0017	03/27/09	Specialty	001754701JJK	04/26/09	4/15/09	RT	Email from Brittany Dick 3/30/09
6202-15-0112	03/27/09	Specialty	001754703JJK	04/26/09	4/1/09	T	Email from Brittany Dick 3/30/09
9306-02-0018	03/31/09	Hittman	001754704JJK	04/30/09	4/15/09	RT	Received Phone Call from Brittany Dick 4/3/09
9306-02-0019	03/31/09	Hittman	001754706JJK	04/30/09	4/15/09	RT	Email from Brittany Dick 4/3/09
DSSI-09-045	03/31/09	Hittman	001754709JJK	04/30/09	4/14/09	RT	Email from Bill Smart 4/7/09
6202-15-0113	03/31/09	P&L	001754713JJK	04/30/09	4/25/09	T	Phone Call from Brittany Dick 4/14/09
6202-15-0114	04/07/09	Specialty	001754714JJK	05/07/09	4/17/09	T	Email from Brittany Dick 4/10/09
6202-15-0115	04/17/09	P&L	001754715JJK	05/17/09	5/5/09	T	Email from Brittany Dick 4/30/09
6202-15-0116	04/17/09	P&L	001754716JJK	05/17/09	5/5/09	T	Email from Brittany Dick 4/30/09
6202-15-0117	04/17/09	P&L	001754717JJK	05/17/09	5/5/09	T	Email from Brittany Dick 4/30/09
6202-15-0118	4/24/2009	P&L	001754718JJK	05/24/09	5/10/09	T	Phone Call from Brittany Dick 5/12/09
6202-15-0119	4/24/2009	P&L	001754719JJK	05/24/09	5/10/09	T	Phone Call from Brittany Dick 5/12/09
6202-15-0120	4/24/2009	P&L	001754720JJK	05/24/09	5/10/09	T	Phone Call from Brittany Dick 5/12/09
6202-15-0121	4/24/2009	Hittman	001754721JJK	05/24/09	5/10/09	T	Email from Jake Gardner 4/28/09
6202-15-0122	4/24/2009	Specialty	001754722JJK	05/24/09	5/10/09	T	Email from Jake Gardner 4/27/09
9306-17-0010	5/1/2009	Specialty	001754723JJK	05/31/09	5/6/09	T	Email from Brittany Dick 4/4/09

Table 10.1. Telephone Log for PCB Shipments Made from PGDP during CY 2009 (Continued)

Shipment ID #	Actual Ship Date	Carrier	UHWM #	UHWM Due Date	Date Manifest Received	TSCA	Confirmation email Received from Clive
6202-15-0123	5/1/2009	Specialty	001754724JJK	05/31/09	5/8/09	T	Email from Brittany Dick 4/4/09
6202-15-0124	5/5/2009	Specialty	001754727JJK	06/04/09	5/18/09	T	Email from Brittany Dick 5/8/09
6202-15-0125	5/8/2009	Hittman	001754726JJK	06/07/09	5/20/09	T	Phone Call from Brittany Dick 5/12/09
6202-15-0126	5/8/2009	P&L	001754728JJK	06/07/09	5/27/09	T	Received Confirmation from Brittany Dick 5/22/09
6202-14-0003	5/22/2009	P&L	001754730JJK	06/21/09	6/11/09	T	Phone Call from Brittany Dick 6/9/09
6202-15-0127	5/26/2009	Specialty	001754729JJK	06/25/09	6/1/09	T	Received Email from Brittany Dick On 5/29/09
6202-14-0004	5/26/2009	Specialty	001754732JJK	06/25/09	6/1/09	T	Received Confirmation From Brittany Dick from Clive on 6/2/09 that they Received 5/29/09
6202-03-0027	6/2/2009	Specialty	001754734JJK	07/02/09	6/8/09	RT	Phone Call from Brittany On 6/5/09
6202-03-0028	6/2/2009	Specialty	001754737JJK	07/02/09	6/8/09	RT	Phone Call from Brittany On 6/5/09
6202-15-0128	6/23/2009	Specialty	001754744JJK	07/23/09	6/30/09	T	Email Confirmation from Brittany Dick on 6/26/09
6202-15-0129	7/14/2009	Specialty	001754743JJK	08/13/09	7/22/09	T	Email Confirmation from Brittany Dick on 7/17/09
6202-14-0005	7/14/2009	Specialty	001754745JJK	08/13/09	7/22/09	T	Email Confirmation from Brittany Dick on 7/17/09
6202-14-0006	7/17/2009	Specialty	001754747JJK	08/16/09	7/22/09	T	Email Confirmation from Brittany Dick on 7/22/09
6202-15-0130	7/17/2009	Specialty	001754748JJK	08/16/09	7/22/09	T	Email Confirmation from Brittany Dick on 7/20/09
6202-15-0131	7/24/2009	Specialty	001754751JJK	08/23/09	7/29/09	T	Email Confirmation of Delivery on 7/18/09
6202-15-0133	8/7/2009	Specialty	001754759JJK	09/06/09	8/14/09	T	Email Confirmation from Brittany Dick on 8/11/09
9306-15-0008	8/7/2009	Specialty	001754758JJK	09/06/09	8/14/09	RT	Email Confirmation from Brittany Dick on 8/11/09
9306-02-0020	8/7/2009	Specialty	001754753JJK	09/06/09	8/14/09	RT	Email Confirmation from Brittany Dick on 8/11/09
6202-14-0008	8/7/2009	Specialty	001754756JJK	09/06/09	8/14/09	T	Email Confirmation from Brittany Dick on 8/11/09
6202-14-0007	8/14/2009	Specialty	001754752JJK	09/13/09	8/22/09	T	Email Confirmation from Brittany Dick on 8/14/09
6202-14-0009	8/28/2009	Specialty	001754762JJK	09/27/09	9/8/09	T	Email Confirmation of Arrival 9/1/09
9306-15-0009	8/28/2009	Specialty	001754765JJK	09/27/09	9/8/09	RT	Email Confirmation of Arrival 9/1/09
DSSI-09-137	8/26/2009	Hittman	001754760JJK	09/25/09	8/27/09	RT	Email Confirmation from Tibby Snipes on 8/27/09.
6202-15-0134	8/28/2009	Specialty	001754769JJK	09/27/09	9/01/09	T	Received Delivery Confirmation on 8/31/09.

Table 10.1. Telephone Log for PCB Shipments Made from PGDP during CY 2009 (Continued)

Shipment ID #	Actual Ship Date	Carrier	UHWM #	UHWM Due Date	Date Manifest Received	TSCA	Confirmation email Received from Clive
9306-17-0011	9/5/2009	Specialty	001754773JJK	10/05/09	9/9/09	T	Confirmation via Phone with Brittany 9/18/09
9306-15-0010	9/11/2009	Specialty	001754776JJK	10/11/09	9/14/09	RT	Delivery Confirmation on 9-14-09
6202-15-0137	9/11/2009	Specialty	001754775JJK	10/11/09	9/14/09	T	Email from Brittany D Arrival 9/14/09
6202-15-0132	9/11/2009	Specialty	001754770JJK	10/11/09	9/14/09	T	Email from Brittany D Arrival 9/14/09
6202-15-0135	9/11/2009	Specialty	001754771JJK	10/11/09	9/14/09	T	Email from Brittany D Arrival 9/14/09
6202-15-0136	9/11/2009	Specialty	001754772JJK	10/11/09	9/14/09	T	Email from Brittany D Arrival 9/14/09
6202-15-0139	9/18/2009	P&L	001754783JJK	10/18/09	10/5/09	T	Received Confirmation Email on 10/5/09 (PRSR-042)
6202-15-0138	9/18/2009	Specialty	001754781JJK	10/18/09	9/21/09	T	Delivery Confirmation on 9-21-09
9306-07-0007	9/25/2009	Specialty	001754787JJK	10/25/09	9/29/09	RT	Received Delivery Confirmation Email on 9-28-09
9306-17-0012	9/25/2009	Specialty	001754777JJK	10/25/09	9/29/09	T	Delivery Confirmation on 9-29-09
6202-15-0140	9/25/2009	Specialty	001754788JJK	10/25/09	9/29/09	T	Received Delivery Confirmation Email on 9-28-09
6202-14-0010	9/25/2009	Specialty	001754789JJK	10/25/09	9/29/09	T	Received Delivery Confirmation Email on 9-28-09
6202-15-0141	9/30/2009	P&L	001754807JJK	10/30/09	10/15/09	T	Received Confirmation Email on 10-15-09 (PRSR-043)
9306-02-0021	10/2/2009	Specialty	001754804JJK	11/01/09	10/5/09	RT	Received Delivery Confirmation Email on 10-06-09
6202-14-0011	10/20/2009	Specialty	001751821JJK	11/19/09	10/29/09	T	Received Delivery Confirmation via Phone on 10-23-09
6202-14-0012	10/27/2009	Specialty	001754831JJK	11/26/09	11/3/09	T	Delivery Confirmation on 11-2-09
6202-14-0013	10/27/2009	Specialty	001754832JJK	11/26/09	11/3/09	T	Delivery Confirmation on 11-2-09
6202-14-0014	11/10/2009	Specialty	001754865JJK	12/10/09	11/24/09	T	Delivery Confirmation on 11-13-09
6202-15-0142	11/17/2009	Specialty	001754874JJK	12/17/09	11/25/09	T	Received Confirmation Email on 11-23-09
6202-14-0015	12/8/2009	Specialty	001754893JJK	01/07/10	12/16/09	T	Received Confirmation via Phone on 12-11-09
6202-15-0143	12/11/2009	Specialty	001754904JJK	01/10/10	12/18/09	T	Received Confirmation via Phone on 12-14-09
9306-17-0013	12/18/2009	Specialty	001754913JJK	01/17/10	12/23/09	T	Received Confirmation via Phone on 12-22-09
9306-02-0022	12/26/2009	Specialty	001754910JJK	01/25/10	12/30/09	RT	Delivery Confirmation Email dated 12-30-09
9306-17-0014	12/26/2009	Specialty	001754908JJK	01/25/10	12/30/09	T	Delivery Confirmation Email dated 12-30-09
9306-15-0015	12/26/2009	Specialty	001754912JJK	01/25/10	12/30/09	RT	Delivery Confirmation Email dated 12-30-09

11. RECLASSIFICATION RECORDS

Records of the procedures used to reclassify electrical equipment must be retained to show that the procedures in 40 *CFR* § 761.30(a)(2)(v) or 40 *CFR* § 761.30(h)(2)(v) were followed. In the event that testing is required, the records must include copies of pre- and post-reclassification PCB concentration measurements from a laboratory using quality control and quality assurance procedures. These records must be retained for at least three years after selling or disposing of the equipment.

In 2009, PGDP did not reclassify any electrical equipment.

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APPENDIX A

PCB ELECTRICAL EQUIPMENT TABLES

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TABLES

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Table A.1. Summary of PCB Equipment in Service as of December 31, 2009

TYPE	NUMBER IN SERVICE	VOLUME (gal)	PCB (kg)
PCB Transformers	67	96,410	283,385.4
PCB-Contaminated Transformers	9	2,299	0.95
PCB-Contaminated Electrical Equipment	7	2,094	1.14
PCB Capacitors	386	1,155.8	7,078

Additional PGDP systems and items containing PCBs are addressed in the UE TSCA FFCA.

Table A.2. PCB Transformers in Service as of December 31, 2009

BUILDING	DESIGNATION COMPARTMENT	MANUFACTURER ID NUMBER	VOLUME (gal)	PCB CONCENTRATION (ppm)	PCB (kg)
C-337	SPARE 3	General Electric B983142	1,370	500,000	4039.3
C-337	SPARE 4	General Electric B983145	1,370	500,000	4039.3
C-337	SPARE 5	General Electric B983130	1,370	640,000	5170.3
C-337	SPARE 6	General Electric B983138	1,370	640,000	5170.3
C-337	SPARE 7	General Electric C159549	1,686	470,000	4672.7
C-337	71P1A	General Electric B9833183	1,686	590,000	5865.8
C-337	71P1B	General Electric B983184	1,686	540,000	5368.7
C-337	71P2A	General Electric B983170	1,686	650,000	6462.3
C-337	71P2B	General Electric B983173	1,686	710,000	7058.8
C-337	71P3A	General Electric B983158	1,370	470,000	3796.9
C-337	71P3B	General Electric B983161	1,370	410,000	3312.2
C-337	71P4A	General Electric B983160	1,686	410,000	4076.2
C-337	71P4B	General Electric B983175	1,686	440,000	4374.5
C-337	71P5A	General Electric 983120	1,370	480,000	3877.7
C-337	71P5B	General Electric B983114	1,370	480,000	3877.7
C-337	71P6A	General Electric B983163	1,686	470,000	4672.7
C-337	71P6B	General Electric B983169	1,686	500,000	4971
C-337	71P7A	General Electric B983140	1,370	430,000	3473.8
C-337	71P7B	General Electric B983141	1,370	440,000	3554.6
C-337	71P8A	General Electric B983229	1,686	500,000	4971
C-337	71P8B	General Electric B983206	1,686	450,000	4473.9

Table A.2. PCB Transformers in Service as of December 31, 2009 (Continued)

BUILDING	DESIGNATION COMPARTMENT	MANUFACTURER ID NUMBER	VOLUME (gal)	PCB CONCENTRATION (ppm)	PCB (kg)
C-337	71P9A	General Electric B983139	1,370	460,000	3716.2
C-337	71P9B	General Electric B983122	1,370	480,000	3,877.7
C-337	71P10A	General Electric B983176	1,686	440,000	4374.5
C-337	71P10B	General Electric B983187	1,686	480,000	4772.2
C-337	72P1A	Standard RIC0118	1,262	440,000	3274.4
C-337	72P1B	Standard RIC0091	1,262	440,000	3274.4
C-337	72P2A	Standard RIB0059	1,370	730,000	5897.4
C-337	72P2B	Standard RID0128	1,370	740,000	5978.2
C-337	72P3A	General Electric B983125	1,374	480,000	3889.1
C-337	72P3B	General Electric B983218	1,686	430,000	4275.1
C-337	72P4A	Standard RIA0022	1,370	530,000	4281.7
C-337	72P4B	General Electric B983214	1,686	550,000	5468.1
C-337	72P5A	General Electric B983167	1,374	450,000	3646
C-337	72P5B	General Electric B983168	1,374	410,000	3321.9
C-337	72P6A	Standard RIA0004	1,262	460,000	3423.2
C-337	72P6B	Standard RHL0660	1,370	530,000	4281.7
C-337	72P7A	General Electric B983202	1,374	430,000	3483.9
C-337	72P7B	General Electric B983201	1,374	460,000	3727
C-337	72P8A	Standard RH10472	1,370	540,000	4362.5
C-337	72P8B	Standard RIJ-L101/21-02202	1,262	780,000	5804.6
C-337	72P9A	General Electric B983162	1,374	500,000	4051.1
C-337	72P9B	General Electric B983159	1,374	470,000	3808
C-337	72P10A	Standard RHK-0578	1,250	490,000	3611.8
C-337	72P10B	Standard RHI-0443	1,250	460,000	3390.7

Table A.2. PCB Transformers in Service as of December 31, 2009 (Continued)

BUILDING	DESIGNATION COMPARTMENT	MANUFACTURER ID NUMBER	VOLUME (gal)	PCB CONCENTRATION (ppm)	PCB (kg)
C-337	76P1A	General Electric B983174	1,686	460,000	4573.3
C-337	76P1B	General Electric B983180	1,686	480,000	4772.2
C-337	76P2A	General Electric B983185	1,370	480,000	3877.7
C-337	76P2B	General Electric B983193	1,370	460,000	3716.2
C-337	76P3A	General Electric B983186	1,370	500,000	4039.3
C-337	76P3B	General Electric B983189	1,370	520,000	4200.9
C-337	76P4A	General Electric B983190	1,370	500,000	4039.3
C-337	76P4B	General Electric B983191	1,370	500,000	4039.3
C-337	76P5A	General Electric B983197	1,370	450,000	3635.4
C-337	76P5B	General Electric B983195	1,370	460,000	3716.2
C-337	76P6A	General Electric B983188	1,370	460,000	3716.2
C-337	76P6B	General Electric B983192	1,370	450,000	3635.4
C-337	76P7A	General Electric B983199	1,370	470,000	3796.9
C-337	76P7B	General Electric B983181	1,370	470,000	3796.9
C-337	76P8A	General Electric B983182	1,370	440,000	3554.6
C-337	76P8B	General Electric B983178	1,370	460,000	3716.2
C-337	76P9A	General Electric B983194	1,370	440,000	3554.6
C-337	76P9B	General Electric B983200	1,370	450,000	3635.4
C-337	76P10A	General Electric B983179	1,370	480,000	3877.7
C-337	76P10B	General Electric B983172	1,370	460,000	3716.2
C-337	SPARE	Standard RIJ-1187	1,262	600,000	4465.1
C-337	SPARE	General Electric B983576	1,370	500,000	4039.3

TOTAL NUMBER OF PCB TRANSFORMERS: 67
TOTAL VOLUME (gal): 96,410
TOTAL PCB (kg): 283,385.4

Table A.3. PCB Transformers Removed from Service for Disposal

Source Location	Manufacturer ID Number	Volume (gal)	PCB Concentration (ppm)	PCB (kg)	Date Removed from Service	Storage Location	Disposal Number (RFD)
No PCB transformers were removed from service in CY 2009.							

Table A.4. PCB-Contaminated Transformers in Service as of December 31, 2009

Building	Designation	Compartment	Volume (gal)	PCB Concentration (ppm)	PCB (kg)
C-315	SW-1	Main	400	59	0.09
C-533	Y-line	A Phase	50	62	0.01
C-533	M-line	C Phase	50	51	0.01
C-535	V-6 line	CT, A-Phase*	50	27	0.01
C-535	V-6 line	CT, C-Phase*	50	34	0.01
C-535	Z-line	Current T*	400	22	0.03
C-537	61	Grounding T	400	172	0.26
C-537	65	Grounding T	400	66	0.10
C-633	3PH1	Main	499	228	0.43
Total	**9**		**2,299**		**0.95**

* Until retrofill activities are documented these transformers will remain classified as PCB-Contaminated based on previous concentrations greater than or equal to 50 ppm PCB.

Table A.5. PCB-Contaminated Transformers Removed from Service

Building	Designation	Compartment	Gallons	PCB Concentration (ppm)	PCB (kg)	Date Removed from Service	Disposal No. (RFD)
No PCB contaminated transformers were removed from service in CY 2009.							

Table A.6. Large PCB Capacitor Inventory

Building Location	Beginning Balance 01/01/09	Capacitors Removed from Service	New Balance 12/31/09
C-331	45	0	45
C-333	209	58*	151
C-335	34	0	34
C-337	156	0	156
Total	**444**	**58**	**386**

* Removed in 2008, but not previously counted.

Table A.7. PCB-Contaminated Electrical Equipment in Service as of December 31, 2009

Building	Designation	Compartment	Volume (gal)	PCB Concentration (ppm)	PCB (kg)
C-315	SW-1	Tap Changer	112	100	0.04
C-533	36	Impeder	280	413	0.44
C-537	62	Impeder	280	113	0.12
C-537	63	Impeder	280	84	0.09
C-537	74	Impeder	280	84	0.09
C-633	3PH1	Tap Changer	112	200	0.08
C-720	M-6	Induction Voltage Regulator	750	100	0.28
Total	**7**		**2,094**		**1.14**

In addition, secondary bushings associated with transformers 3, 32, 33, 34, and 36 in C-533 and 66, 67, 68, 69, 71, and 72 in C-537 Switchyard are assumed to be PCB secondary bushings based on process knowledge and/or analytical data.

Table A.8. Distribution of PCB Articles in Commerce

TRANSFERRED TO (Name, Address, Phone Number, Location of Individual Receiving PCB Articles)	DATE OF TRANSFER	ITEM	SERIAL NUMBER	PCB CONCENTRATION (ppm)

RECEIVED FROM (Name, Address, Phone Number, Location of Individual Sending PCB Articles)	DATE OF TRANSFER	ITEM	SERIAL NUMBER	PCB CONCENTRATION (ppm)
No PCB Articles were received from offsite locations in 2009.				

APPENDIX B

PCB WASTE TABLES

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TABLES

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Table B.1. 2009 PCB Waste Activity Summary

PCB Waste Items In Inventory	1/1/09 Inventory		Net Changes[1]		Generated		Shipped for Disposal		12/31/2009 Inventory	
	pc	*kg*	*pc*	*kg*	*pc*	*kg*	*pc*	*kg*	*pc*	*kg*
ARTICLES	**2**	**32,886**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**32,886**
PCB TRANSFORMER	*2*	*32,886*	*0*	*0*	*0*	*0*	*0*	*0*	*2*	*32,886*
ARTICLE CONTAINERS	**62**	**17,375**	**-57**	**-1,038**	**15**	**6,721**	**-6**	**-20,845**	**14**	**2,213**
Capacitors, large	*10*	*6,651*	*-10*	*-6,651*	*0*	*0*	*0*	*0*	*0*	*0*
Capacitors, small	*1*	*2*	*-4*	*-43*	*8*	*509*	*0*	*0*	*5*	*468*
Electrical Equipment	*1*	*130*	*-1*	*-130*	*0*	*0*	*0*	*0*	*0*	*0*
Light Ballasts	*4*	*1,159*	*1*	*71*	*4*	*515*	*0*	*0*	*9*	*1,745*
Misc. Equip (motors, pumps)	*8*	*2,850*	*-5*	*-2,604*	*0*	*0*	*-3*	*-246*	*0*	*0*
PCB Transformers (also may contain misc equip, capacitors, etc.)	*38*	*6,583*	*-38*	*8,319*	*3*	*5,697*	*-3*	*-20,599*	*0*	*0*
BULK (tankers)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
CONTAINERS	**1,626**	**142,428**	**-971**	**63,111**	**80**	**197,257**	**-616**	**-228,468**	**119**	**174,328**
Liquids	*56*	*5,863*	*9*	*1,144*	*18*	*2,653*	*-44*	*-7,580*	*39*	*2,080*
Solids	*1,570*	*136,565*	*-980*	*61,967*	*62*	*194,604*	*-572*	*-220,888*	*80*	*172,248*
TOTAL	**1,690**	**192,689**	**-1,028**	**62,073**	**95**	**203,978**	**-622**	**-249,313**	**135**	**209,427**

pc = piece count; kg = kilogram (rounded to nearest whole number for the summaries)

[1] The Net Changes column includes adjustments because of repackaging (segregation/splits, consolidations), unrecorded items, characterization changes, and weight corrections. Weights reported in this inventory include the weight of the container (drum/box/shipping container), except tanks/tankers, not the weight on the manifest.

Table B.2. Adjustments for 2009

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	107851	107851-01	AC	USEC EQUIPMENT - VOIDED, NON-PCB	1/13/05	SOLID	75	34	4		C-757	C-757	TM
	-1	107854	107854-01	AC	USEC EQUIPMENT - VOIDED, NON-PCB	8/1/00	SOLID	20	9	0.67		C-720	C-720	TM
	-1	107854	107854-02	AC	USEC EQUIPMENT - VOIDED, NON-PCB	10/11/01	SOLID	20	9	0.67		C-720	C-720	TM
1		108231	108231-01	AC	Repack of 38 drums	8/28/89	SOLID	8120	3683	1170		C-753-A	C-746-D	TM
1		108245	108245-01	AC	Repack of 20 drums	6/21/06	SOLID	24873	11282	1172		C-759	C-753-A	TM
1		108562	108562-01	AC	LIGHT BALLAST	9/5/07	SOLID	571	259	7.4		C-746-Q	C-757	TM
1		108563	108563-01	AC	LIGHT BALLAST	10/30/08	SOLID	556	252	7.4		C-753-A	C-337	TM
1		109667	109667-01	AC	Repack of 5 drums	11/9/89	SOLID	2400	1089	90		C-746-A	C-746-A	TM
1		109667	109667-03	AC	Repack of 5 drums	11/9/89	SOLID	2395	1086	90		C-746-A	C-746-A	TM
1		118328	118328-01	AC	consolidation of 107835-01, LIGHT BALLAST	6/27/05	SOLID	564	256	7.4		C-753-A	C-757	TM
1		118418	118418-01	AC	Light ballasts/starters	12/8/04	SOLID	203	92	7.4		C-746-Q	C-340	RTM
	-1	118422	118422-01	AC	3 PCB Transformers	12/11/09	SOLID	4465	2025	90	117164-01	C-753-A	C-410	TM
1	-1	8444	CAS-11285	AC	2' X 2' PCB TRANSFORMER	12/11/90	SOLID	420	191	7.4	108231-01	C-753-A	C-340	TM
	-1	107431	107431-01	AC	COLLECTION CONTAINERS FOR TRANSFORMERS FROM THE 08PCBTHERM-01 PROJECT.	11/5/90	SOLID	524	238	7.4	108231-01	C-753-A	C-753-A	TM
	-1	107431	107431-02	AC	COLLECTION CONTAINERS FOR TRANSFORMERS FROM THE 08PCBTHERM-01 PROJECT.	11/5/90	SOLID	690	313	7.4	108231-01	C-753-A	C-753-A	TM
	-1	108185	108185-01	AC	ONE GREY METAL BOX - SOLID TRANSFORMER OCTAGON SHAPED ~ 75 LBS PCB'S >500 PPM 1'X1'X2'	4/2/09	SOLID	142	64	4	108245-01	C-753-A	C-746-D	TM
1		108587	108587-01	AC	PCB BALLAST; RFD received late.	8/22/07	SOLID	608	64	7.4		C-753-A	C-331	TM
	-1	108587	108587-01	AC	PCB BALLAST. DTS 08/22/07	8/22/07	SOLID	608	276	7.4	108245-01	C-753-A	C-331	TM
1		108590	108590-01	AC	PCB BALLAST; RFD received late.	12/11/07	SOLID	734	276	7.4		C-753-A	C-331	TM
	-1	108590	108590-01	AC	PCB BALLAST. DTS 12-11-07	12/11/07	SOLID	734	333	7.4	108245-01	C-753-A	C-331	TM
	-1	108953	108953-01	AC	PCB CAPACITORS-NONLEAKING DTS 06-21-06 CONTAINS 6 CAPACITORS FROM C333 U3/C3 + 12 CAPACITORS FROM C331 U2/C3.	6/21/06	SOLID	2324	1054	90	108245-01	C-753-A	C-333	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	108991	108991-01	AC	PCB BALLAST DTS 3/13/08	3/13/08	SOLID	574	260	7.4	108245-01	C-753-A	C-337	TM
	-1	108992	108992-01	AC	PCB BALLAST DTS 03-03-08	3/3/08	SOLID	513	233	7.4	108245-01	C-753-A	C-333	TM
	-1	116193	116193-01	AC	30 GALLON CONTAINER FOR LIQUID FILLED POTENTIAL TRANSFORMERS	5/17/05	SOLID	172	78	4	108231-01	C-753-A	PGDP	TM
	-1	116300	116300-01	AC	OIL-FILLED TRANSFORMERS	5/17/05	SOLID	149	68	7.4	108231-01	C-753-A	C-333	TM
	-1	116478	116478-01	AC	5-GALLON COLLECTION CONTAINER FOR CAPACITORS (RCRA-RAD) AND PCB	9/19/05	SOLID	22	10	0.67	109659-01	C-746-A	PGDP	RTM
	-1	117052	117052-01	AC	COLLECTION CONTAINER FOR PCB CAPACITORS - SMALL	10/16/08	SOLID	26	12	0.67	108245-01	C-753-A	PGDP	TM
	-1	117110	117110-01	AC	5-GALLON COLLECTION DRUM FOR RAD/CONTAMINATED PCB CAPACITORS	3/17/09	SOLID	46	21	0.67	108245-01	C-753-A	PGDP	TM
	-1	117111	117111-01	AC	COLLECTION DRUM FOR PCB/RAD CAPACITORS (30 GALLON)	4/13/09	SOLID	35	16	0.67	108245-01	C-753-A	PGDP	TM
	-1	118331	118331-01	AC	PCB AND PCB CONTAMINATED CAPACITORS, FROM PCB 811 (G-333-PCB811) AT C-333 U1 C1 B-CABINET. DTS 10/27/08	10/28/08	SOLID	261	118	7.4	108245-01	C-753-A	C-333	TM
	-1	118331	118331-02	AC	PCB AND PCB CONTAMINATED CAPACITORS, FROM PCB 811 (G-333-PCB811) AT C-333 U1 C1 B-CABINET. DTS 10/27/08	10/28/08	SOLID	260	118	7.4	108245-01	C-753-A	C-333	TM
	-1	118331	118331-03	AC	PCB AND PCB CONTAMINATED CAPACITORS, FROM PCB 811 (G-333-PCB811) AT C-333 U1 C1 B-CABINET. DTS 10/27/08	10/29/08	SOLID	210	95	7.4	108245-01	C-753-A	C-333	TM
	-1	118331	118331-04	AC	PCB AND PCB CONTAMINATED CAPACITORS, FROM PCB 811 (G-333-PCB811) AT C-333 U1 C1 B-CABINET. DTS 10/27/08	10/29/08	SOLID	243	110	7.4	108245-01	C-753-A	C-333	TM
	-1	118331	118331-05	AC	PCB AND PCB CONTAMINATED CAPACITORS, FROM PCB 811 (G-333-PCB811) AT C-333 U1 C1 B-CABINET. DTS 10/27/08	10/29/08	SOLID	246	112	7.4	108245-01	C-753-A	C-333	TM
	-1	118334	118334-01	AC	PCB CAPACITORS, C333 U4 C9. DTS 12-17-08	12/17/08	SOLID	6532	2963	90	108245-01	C-753-A	C-333	TM
	-1	118337	118337-01	AC	PCB CAPACITORS (2, SMALL). TWO SMALL (1" X 4") CAPACITORS REMOVED FROM LINE RECORDERS FROM C-532. WIPE SAMPLED UNDER USR-2749 (ATTACHED). DTS 1-10-09	1/10/09	SOLID	8	4	0.67	108245-01	C-753-A	C-532	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	118356	118356-01	AC	PCB CAPACITORS (U4C2A) DTS 7/24/08	7/24/08	SOLID	274	124	7.4	108245-01	C-753-A	C-337	TM
	-1	118356	118356-02	AC	PCB CAPACITORS (U4C2A) DTS 7/24/08	7/24/08	SOLID	354	161	7.4	108245-01	C-753-A	C-337	TM
	-1	118356	118356-03	AC	PCB CAPACITORS (U4C2A) DTS 7/24/08	7/24/08	SOLID	6274	2846	90	108245-01	C-753-A	C-337	TM
	-1	118367	118367-01	AC	PCB BALLAST DTS 12-6-08	12/6/08	SOLID	651	295	7.4	108245-01	C-753-A	C-333	TM
	-1	54611	54611-01	AC	TRANSFORMERS (SMALL)	10/3/95	SOLID	191	87	7.4	108231-01	C-753-A	C-410	TM
	-1	22008	CAS-08368	AC	VOLTAGE REGULATOR/PLASTIC	10/21/89	SOLID	213	97	7.4	108231-01	C-753-A	C-333	TM
	-1	8377	CAS-08736	AC	SMALL TRANSF ON POWER SUPPLY	8/28/89	SOLID	127	58	7.4	108231-01	C-753-A	C-710	TM
	-1	4828	CAS-08763	AC	VALVES/HOSES FROM C-337 AUTOCLAV	1/5/90	SOLID	222	101	7.4	109667-03	C-746-A	C-337-A	TM
	-1	4828	CAS-08764	AC	VALVES/HOSES FROM C-337 AUTOCLAV	1/5/90	SOLID	184	83	7.4	109667-03	C-746-A	C-337-A	TM
	-1	4828	CAS-09425	AC	VALVES, HOSES	1/5/90	SOLID	78	35	7.4	109667-01	C-746-A	C-337-A	TM
	-1	4828	CAS-09426	AC	VALVES/HOSES FROM C-337 AUTOCLAV	1/5/90	SOLID	196	89	7.4	109667-01	C-746-A	C-337-A	TM
	-1	11551	CAS-10042	AC	FILTERS FROM FLOOR SWEEPER	2/22/90	SOLID	89	40	7.4	120108-06	C-753-A	C-337	TM
	-1	35012	CAS-16227	AC	FREQ. RESP. UNITS/SIGNAL FILTERS	5/24/93	SOLID	287	130	7.4	108231-01	C-753-A	C-300	TM
	-1	36248	CAS-16563	AC	POTENTIAL TRANSFORMERS	9/15/93	SOLID	397	180	7.4	108231-01	C-753-A	C-335	TM
	-1	36248	CAS-16564	AC	POTENTIAL TRANSFORMERS	9/20/93	SOLID	516	234	7.4	108231-01	C-753-A	C-335	TM
	-1	40091	CAS-16651	AC	POTENTIAL TRANSFORMERS	10/11/93	SOLID	276	125	7.4	108231-01	C-753-A	C-337	TM
	-1	41103	CAS-16652	AC	POTENTIAL TRANSFORMERS	9/20/93	SOLID	534	242	7.4	108231-01	C-753-A	C-335	TM
	-1	41103	CAS-16653	AC	POTENTIAL TRANSFORMERS	9/20/93	SOLID	530	240	7.4	108231-01	C-753-A	C-335	TM
	-1	41103	CAS-16654	AC	POTENTIAL TRANSFORMERS	9/20/93	SOLID	484	220	7.4	108231-01	C-753-A	C-335	TM
	-1	41103	CAS-16655	AC	POTENTIAL TRANSFORMERS	9/21/93	SOLID	472	214	7.4	108231-01	C-753-A	C-335	TM
	-1	41103	CAS-16656	AC	POTENTIAL TRANSFORMERS	9/21/93	SOLID	428	194	7.4	108231-01	C-753-A	C-335	TM
	-1	41103	CAS-16657	AC	POTENTIAL TRANSFORMERS	9/25/93	SOLID	480	218	7.4	108231-01	C-753-A	C-335	TM
	-1	41103	CAS-16658	AC	POTENTIAL TRANSFORMERS	9/25/93	SOLID	220	100	7.4	108231-01	C-753-A	C-335	TM
	-1	31798	CAS-16659	AC	POTENTIAL TRANSFORMERS	9/25/93	SOLID	589	267	7.4	108231-01	C-753-A	C-337	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	31798	CAS-16660	AC	POTENTIAL TRANSFORMERS	9/25/93	SOLID	508	230	7.4	108231-01	C-753-A	C-337	TM
	-1	31798	CAS-16661	AC	POTENTIAL TRANSFORMERS	9/25/93	SOLID	505	229	7.4	108231-01	C-753-A	C-337	TM
	-1	31798	CAS-16662	AC	POTENTIAL TRANSFORMERS	9/25/93	SOLID	507	230	7.4	108231-01	C-753-A	C-337	TM
	-1	31798	CAS-16663	AC	POTENTIAL TRANSFORMERS	9/25/93	SOLID	508	230	7.4	108231-01	C-753-A	C-337	TM
	-1	31798	CAS-16664	AC	POTENTIAL TRANSFORMERS	9/28/93	SOLID	507	230	7.4	108231-01	C-753-A	C-337	TM
	-1	31798	CAS-16665	AC	POTENTIAL TRANSFORMERS	9/28/93	SOLID	510	231	7.4	108231-01	C-753-A	C-337	TM
	-1	31798	CAS-16666	AC	POTENTIAL TRANSFORMERS	9/28/93	SOLID	508	230	7.4	108231-01	C-753-A	C-337	TM
	-1	31798	CAS-16667	AC	POTENTIAL TRANSFORMERS	9/30/93	SOLID	511	232	7.4	108231-01	C-753-A	C-337	TM
	-1	31798	CAS-16668	AC	POTENTIAL TRANSFORMERS	9/30/93	SOLID	454	206	7.4	108231-01	C-753-A	C-337	TM
	-1	31798	CAS-16669	AC	POTENTIAL TRANSFORMERS	10/7/93	SOLID	506	230	7.4	108231-01	C-753-A	C-337	TM
	-1	31798	CAS-16670	AC	POTENTIAL TRANSFORMERS	10/7/93	SOLID	504	229	7.4	108231-01	C-753-A	C-337	TM
	-1	31798	CAS-16671	AC	POTENTIAL TRANSFORMERS	10/7/93	SOLID	507	230	7.4	108231-01	C-753-A	C-337	TM
	-1	31798	CAS-16672	AC	POTENTIAL TRANSFORMERS	10/7/93	SOLID	228	103	7.4	108231-01	C-753-A	C-337	TM
	-1	40093	CAS-17069	AC	POTENTIAL TRANSFORMERS	11/15/93	SOLID	276	125	7.4	108231-01	C-753-A	C-337	TM
	-1	35077	CAS-17290	AC	VACUUM CLEANER, HOSES, GLOVES	4/28/94	SOLID	144	65	7.4	109626-02	C-753-A	C-746-G	TM
	-1	41640	CAS-17508	AC	SMALL TRANSFORMERS	10/3/94	SOLID	414	188	7.4	108231-01	C-753-A	C-335	TM
	-1	41643	CAS-17510	AC	SMALL TRANSFORMERS	10/4/94	SOLID	345	156	7.4	108231-01	C-753-A	C-335	TM
	-1	45033	CAS-17666	AC	TRANSFORMERS	9/28/94	SOLID	162	73	7.4	108231-01	C-753-A	C-410	TM
1		101684	101684-01	CL	USEC PCB LIQUID LAB WASTE	9/27/99	LIQUID	5	2	0.67		C-710	C-710	RTM
	-1	103226	103226-01	CL	USEC LAB WASTE - VOIDED, NON-PCB	11/18/99	LIQUID	43	20	0.67		C-710	C-710	RTM
	-1	103250	103250-01	CL	USEC LAB WASTE - VOIDED, NON-PCB	4/18/01	LIQUID	10	5	0.67		C-710	C-710	RTM
	-1	104003	104003-01	CL	USEC RAD LIQUID LAB WASTE determined to be non-PCB and disposed by USEC	6/26/01	LIQUID	20	9	2.68		C-710	C-710	TM
	-1	104951	104951-01	CL	USEC LAB WASTE - VOIDED, NON-PCB	7/27/01	LIQUID	20	9	0.67		C-710	C-710	TM
1		104952	104952-01	CL	USEC PCB LIQUID LAB WASTE	4/6/06	LIQUID	5	2	0.67		C-710	C-710	RTM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
1		104954	104954-01	CL	USEC PCB LIQUID LAB WASTE	9/27/07	LIQUID	5	2	0.67		C-710	C-710	RTM
1		104955	104955-01	CL	USEC PCB LIQUID LAB WASTE	1/16/08	LIQUID	5	2	0.67		C-710	C-710	RTM
1		104956	104956-01	CL	USEC PCB LIQUID LAB WASTE	1/18/08	LIQUID	5	2	0.67		C-710	C-710	RTM
1		104991	104991-01	CL	USEC PCB LIQUID LAB WASTE	4/18/08	LIQUID	5	2	0.67		C-710	C-710	RTM
1		106794	106794-01	CL	PCB DETECTABLE RAINWATER AND DECANT WATER FROM CARBON FILTERS THAT TREATED PCB REGULATED WATER. RAINWATER IS FROM RFD 38157 - WID CAL-1310A; DECANT WATER IS FROM RFDS 14921, 42278, 102338, 54100.	12/6/91	LIQUID	1453	659	160.42		C-752-A	C-752-A	TM
	-1	106974	106794-01	CL	Split into 106794-02 thru -05	12/6/91	LIQUID	1453	659	160.42	106794-02, -03, -04, -05	C-752-A	C-752-A	TM
1		106794	106794-02	CL	Split of 106794-01 (1200-gal poly tank) into 106794-02 thru -05	12/6/91	LIQUID	380	172	7.4		C-752-A	C-752-A	TM
1		106794	106794-03	CL	Split of 106794-01 (1200-gal poly tank) into 106794-02 thru -05	12/6/91	LIQUID	384	174	7.4		C-752-A	C-752-A	TM
1		106794	106794-04	CL	Split of 106794-01 (1200-gal poly tank) into 106794-02 thru -05	12/6/91	LIQUID	392	178	7.4		C-752-A	C-752-A	TM
1		106794	106794-05	CL	Split of 106794-01 (1200-gal poly tank) into 106794-02 thru -05	12/6/91	LIQUID	222	101	7.4		C-752-A	C-752-A	TM
1		109630	109630-01	CL	Repack of PCB LIQUID MERCURY from 120789-01	6/25/08	LIQUID	12	5	0.67		C-752-A	C-342	RTM
1		109671	109671-01	CL	Repack of 2 drums, 120282-01 and 120288-01, and non-PCB drums	9/19/08	LIQUID	151	68	7.4		C-752-A	C-752-A	TM
1		118329	118329-01	CL	RFD received late, PCB TRANSFORMER OIL FROM TESTING OIL	3/6/02	LIQUID	402	182	7.4		C-337	C-752-A	TM
1	-1	120282	120282-01	CL	USED CALIBRATION-TEST SOLUTION PCB/SOIL ANALYSIS SOLUTION 5 GAL CONTAINER C-755-C	9/19/08	LIQUID	43	20	0.67	109671-01	C-733	C-755	RTM
1	-1	120288	120288-01	CL	USED/PCB SOIL ANALYSIS SOLUTION C-755-C	10/15/08	LIQUID	43	20	0.67	109671-01	C-733	C-755	RTM
	-1	38157	CAL-1310A	CL	SLUDGE LEFT AFTER PUMPING PCB CONTAMINATED RAIN WATER FOR SHIPMENT	4/14/93	SLUDGE	139	63	11.4	106794-01	C-752-A	C-746-R	TM
1		22149	CALX-1177A	CL	SLUDGE	9/9/92	LIQUID	137	62	11.4		C-752-A	C-746-A	RTM
	-1	4876	04876-05	CS	URANIUM PRECIPITATE	7/7/97	SOLID	505	229	11.4	121312-01	C-746-Q	C-400	RTM
	-1	4876	04876-06	CS	URANIUM PRECIPITATE	7/7/97	SOLID	416	189	7.4	121312-01	C-746-Q	C-400	RTM
	-1	4876	04876-07	CS	URANIUM PRECIPITATE	7/7/97	SOLID	493	224	11.4	121312-01	C-746-Q	C-400	RTM
	-1	4876	04876-08	CS	URANIUM PRECIPITATE	7/7/97	SOLID	430	195	7.4	121312-01	C-746-Q	C-400	RTM
	-1	4876	04876-09	CS	URANIUM PRECIPITATE, FILTER CAKE	2/25/87	SOLID	421	191	7.4	121312-02	C-746-Q	C-400	RTM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	4879	04879-01	CS	URANIUM PRECIPITATE	7/7/97	SOLID	422	191	7.4	121312-02	C-746-Q	C-400	RTM
	-1	4879	04879-02	CS	URANIUM PRECIPITATE	7/7/97	SOLID	425	193	7.4	121312-02	C-746-Q	C-400	RTM
	-1	4879	04879-03	CS	URANIUM PRECIPITATE	7/7/97	SOLID	528	240	11.4	121312-02	C-746-Q	C-400	RTM
	-1	4879	04879-04	CS	URANIUM PRECIPITATE	7/7/97	SOLID	403	183	7.4	121312-04	C-746-Q	C-400	RTM
	-1	4879	04879-05	CS	URANIUM PRECIPITATE	7/7/97	SOLID	416	189	7.4	121312-04	C-746-Q	C-400	RTM
	-1	4879	04879-06	CS	URANIUM PRECIPITATE	7/7/97	SOLID	403	183	7.4	121312-04	C-746-Q	C-400	RTM
	-1	4879	04879-07	CS	URANIUM PRECIPITATE	7/7/97	SOLID	472	214	7.4	121312-04	C-746-Q	C-400	RTM
	-1	4879	04879-08	CS	URANIUM PRECIPITATE	7/7/97	SOLID	497	225	7.4	121312-03	C-746-Q	C-400	RTM
	-1	4887	04887-05	CS	MISC. CONTAMINATED MATERIAL	12/13/00	SOLID	174	79	11.4	109626-02	C-753-A	C-400	TM
	-1	7710	07710-01	CS	TRASH/PLASTIC/PAPER/RAGS/COVERALLS	6/30/00	SOLID	167	76	7.4	109626-01	C-753-A	C-720	TM
	-1	9481	09481-01	CS	TRASH	12/13/00	SOLID	161	73	7.4	109626-02	C-753-A	C-400	TM
1		9487	09487-05	CS	MOPHEAD, FLOOR DUST, PAPER, EMPTY CAN FROM HOUSEKEEPING ACTIVITIES.	8/1/89	SOLID	291	132	11.4		C-746-Q	C-400	RTM
	-1	9508	09508-01	CS	TRASH	12/13/00	SOLID	130	59	7.4	109626-02	C-753-A	C-720	TM
	-1	9555	09555-14	CS	TRASH	12/13/00	SOLID	105	48	7.4	109626-02	C-753-A	C-301	TM
	-1	101020	101020-01	CS	SAMPLING DEBRIS:CLOTH/PPE/PLASTI	9/23/98	SOLID	92	42	7.4	109626-04	C-753-A	C-746-A	TM
	-1	101048	101048-01	CS	BCS TRASH - HYPALON, PORTABLE DYKE	3/17/99	SOLID	90	41	7.4	109626-02	C-753-A	C-746-A	TM
	-1	101257	101257-01	CS	PPE/WET WOOD/PLASTIC/PADS/SARANEX/ GLOVES FROM SPILL CLEAN UP OF CAS-14964	7/15/99	SOLID	77	35	7.4	109626-05	C-753-A	C-753-A	TM
	-1	101349	101349-01	CS	PPE AND RAGS, PVC PIPE, PLASTIC AND GLOVES	2/16/00	SOLID	96	44	7.4	109626-03	C-753-A	C-337	TM
	-1	101455	101455-01	CS	SOLID WASTE >50 PPM PCB OILY RAGS/PIGS/PADS/ETC.	1/5/98	SOLID	66	30	7.4	120108-10	C-753-A	C-537	TM
	-1	101463	101463-01	CS	2 PALLETS CONTAMINATED W/74 PPM PCB ON M-6 TRANS JOB. WRAPPED IN BLACK PLASTIC W/PCB LABEL	6/14/99	SOLID	75	34	7.4	109654-01	C-753-A	C-754	TM
	-1	101467	101467-01	CS	WOOD/PPE FROM PUMP WAGON	12/16/99	SOLID	107	49	7.4	109654-01	C-753-A	C-537	TM
	-1	101503	101503-01	CS	GLOVES/PADS/RAGS/PLASTIC	12/9/98	SOLID	96	44	7.4	109626-02	C-753-A	C-746-A	TM
	-1	101561	101561-01	CS	PCB WASTE SOLIDS/PPE/PLASTIC/RAGS	4/16/99	SOLID	81	37	7.4	109626-05	C-753-A	C-335	TM
	-1	101564	101564-01	CS	PCB WASTE SOLIDS; PPE, RAGS, PLASTIC.	1/5/99	SOLID	107	49	7.4	109627-02	C-753-A	C-333	TM
	-1	101564	101564-02	CS	PCB WASTE SOLIDS; PPE, RAGS, PLASTIC.	1/5/99	SOLID	108	49	7.4	109627-02	C-753-A	C-333	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	101577	101577-01	CS	PPE/RAGS; PCB LOW LEVEL RAD SOLIDS; LLR SOLIDS, RCRA LAB SAMPLING WASTE	11/24/98	SOLID	17	8	0.67	108248-01	C-753-A	C-409	TM
	-1	101577	101577-02	CS	PPE/RAGS; PCB LOW LEVEL RAD SOLIDS; LLR SOLIDS, RCRA LAB SAMPLING WASTE	11/17/98	SOLID	25	11	0.67	108248-01	C-753-A	C-409	TM
	-1	101577	101577-03	CS	PPE/RAGS; PCB LOW LEVEL RAD SOLIDS; LLR SOLIDS, RCRA LAB SAMPLING WASTE	9/21/98	SOLID	22	10	0.67	108248-01	C-753-A	C-409	TM
	-1	101584	101584-01	CS	LAB SOLIDS	12/21/98	SOLID	11	5	0.67	109631-01	C-753-A	C-409	TM
	-1	101735	101735-01	CS	NON-INCINERABLE DEBRIS (EMPTY GLASS BOTTLES/BROKEN COLIWASAS, ETC. COLLECTION DRUM	3/31/99	SOLID	128	58	7.4	108248-01	C-753-A	C-746-A	TM
	-1	101737	101737-01	CS	PPE/PLASTIC/PADS	5/3/99	SOLID	74	34	7.4	109626-04	C-753-A	C-746-A	TM
	-1	101746	101746-01	CS	INCINERABLE SAMPLING DEBRIS-TYVEK, PLASTIC, NEOPRENE, VINYL, PAPER, PADS	9/21/99	SOLID	85	39	7.4	108248-01	C-753-A	C-746-A	TM
	-1	101749	101749-01	CS	NON-INCINERABLE SAMPLING DEBRIS; GLASS SAMPLING DEBRIS	10/27/99	SOLID	84	38	7.4	108248-01	C-753-A	C-746-A	TM
	-1	101829	101829-01	CS	PCB SOLID WASTE - RAGS, GLOVES, PPE, PLASTIC, ETC...	3/8/99	SOLID	78	35	7.4	109626-04	C-753-A	C-331	TM
	-1	101929	101929-01	CS	PPE/PLASTIC/PAPER DEBRIS	9/3/99	SOLID	85	39	7.4	109626-03	C-753-A	C-752-A	TM
	-1	101959	101959-01	CS	BCS TRASH - PAPER, PLASTIC, PPE, DRUM LINERS, PADS.	3/18/99	SOLID	98	44	7.4	109626-03	C-753-A	C-746-A	TM
	-1	101961	101961-01	CS	PCB BCS TRASH - PPE/MASLINE/PAPER/PLASTIC/DRUM LINERS	3/19/99	SOLID	129	59	7.4	109626-04	C-753-A	C-746-A	TM
	-1	102262	102262-01	CS	PCB WOOD	7/29/98	SOLID	60	27	7.4	109654-01	C-753-A	C-752-A	TM
	-1	102338	102338-01	CS	CARBON FILTRATION CONTAINERS FROM PCB TREATMENT	3/19/99	SOLID	674	306	11.4	121302-02	C-746-A	C-752-A	TM
	-1	102338	102338-02	CS	CARBON FILTRATION CONTAINERS FROM PCB TREATMENT	3/19/99	SOLID	689	313	11.4	121302-01	C-746-A	C-752-A	TM
	-1	102338	102338-03	CS	CARBON FILTRATION CONTAINERS FROM PCB TREATMENT	3/19/99	SOLID	699	317	11.4	121302-02	C-746-A	C-752-A	TM
	-1	102338	102338-04	CS	CARBON FILTRATION CONTAINERS FROM PCB TREATMENT	3/19/99	SOLID	684	310	11.4	121302-02	C-746-A	C-752-A	TM
	-1	102532	102532-01	CS	WOOD -COLLECTION	5/10/88	SOLID	111	50	7.4	109654-01	C-753-A	C-746-A	TM
	-1	102535	102535-01	CS	PPE/PAPER/PLASTIC/ETC.	10/26/98	SOLID	74	34	7.4	109626-04	C-753-A	C-746-A	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	102539	102539-01	CS	PLASTIC/PAPER/PPE/ABSORBENT PADS	11/4/98	SOLID	88	40	7.4	108248-01	C-753-A	C-746-A	TM
	-1	102541	102541-01	CS	SAMPLING DEBRIS:PPE/PAPER/PLASTI	11/9/98	SOLID	98	44	7.4	108248-01	C-753-A	C-746-A	TM
	-1	102544	102544-01	CS	PPE/RAGS	12/10/98	SOLID	105	48	7.4	109626-02	C-753-A	C-746-A	TM
	-1	102545	102545-01	CS	SPENT PPE/PLASTIC/ABSORBENT PADS/KIMTOWELS	12/22/98	SOLID	86	39	7.4	108248-01	C-753-A	C-746-A	TM
	-1	102549	102549-01	CS	SAMPLING DEBRIS - COLIWASAS/EMPTY SAMPLE BOTTLES	1/13/99	SOLID	122	55	7.4	108248-01	C-753-A	C-746-A	TM
	-1	102620	102620-01	CS	USEC PF lab waste, replaced with RFD 118359-01	8/26/98	SOLID	11	5	0.67	118359-01	C-753-A	C-710	TM
	-1	103203	103203-01	CS	PCB PAPER & PLASTIC LOW-LEVEL RAD	5/12/99	SOLID	25	11	0.67	108248-01	C-753-A	C-409	TM
	-1	103215	103215-01	CS	PLASTIC, CLOTH, PAPER - SOLID SAMPLING RESIDUAL	10/8/99	SOLID	43	20	4	108248-01	C-753-A	C-710	TM
	-1	103284	103284-01	CS	SPILL CLEANUP DEBRIS FROM CAS- 3737, SPILL #PCB-684; PALLET PIECES, PPE, PADS, PLASTIC.	4/6/00	SOLID	77	35	7.4	109659-01	C-746-A	C-753-A	RTM
	-1	103385	103385-01	CS	PPE, PADS, RAGS FROM ELECTRICAL MAINTENANCE ON PCB TRANSFORMER.	4/2/01	SOLID	94	43	7.4	120108-09	C-753-A	C-337	TM
	-1	103390	103390-01	CS	PPE, RAGS, AND PADS	8/23/01	SOLID	138	63	7.4	109626-05	C-753-A	C-337	TM
	-1	103394	103394-01	CS	PPE, PADS, AND RAGS FROM ELECTRICAL MAINTENANCE ON PCB TRANSFORMERS.	1/4/02	SOLID	83	38	7.4	120108-09	C-753-A	C-337	TM
	-1	103395	103395-01	CS	RAGS, GLOVES, PAPER AND PPE	1/7/02	SOLID	87	39	7.4	109626-03	C-753-A	C-337	TM
	-1	103398	103398-01	CS	MOP HEADS, RAGS, PADS, PPE, AND ABSORBENT GENERATED FROM PCB SPILL AT U/6C/10 'B' TRANSFORMER	7/19/02	SOLID	190	86	7.4	120108-09	C-753-A	C-337	TM
	-1	103399	103399-01	CS	OILY PADS, PPE, RAGS AND LEATHER GLOVES	7/22/02	SOLID	122	55	7.4	120108-07	C-753-A	C-337	TM
	-1	103652	103652-01	CS	PCB SPILL CLEANUP DEBRIS - PPE, PAPER, PLASTIC, RAGS, SCRUB PADS.	4/19/01	SOLID	121	55	7.4	109626-03	C-753-A	C-746-A	TM
	-1	103654	103654-01	CS	PCB SPILL CLEANUP DEBRIS... PPE, PLASTIC, PAPER, RAGS, SCRUB PADS.	6/7/01	SOLID	88	40	7.4	109626-03	C-753-A	C-746-A	TM
	-1	103658	103658-01	CS	PCB SPILL CLEANUP SOLID DEBRIS. PPE, PLASTIC, RAGS , SCRUB PADS.	8/1/01	SOLID	95	43	7.4	120108-10	C-753-A	C-746-A	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	103663	103663-01	CS	BCS TRASH WR116 NITRILE GLOVES, HP SWIPES, LEATHER GLOVES, PLASTIC, PPE, TAPE, HYPALON. (FROM SORTING AND REPACKAGING PCB/RAD SOLID WASTE).	7/27/01	SOLID	89	40	7.4	109626-05	C-753-A	C-753-A	TM
	-1	103663	103663-02	CS	BCS TRASH WR116 NITRILE GLOVES, HP SWIPES, LEATHER GLOVES, PLASTIC, PPE, TAPE, HYPALON. (FROM SORTING AND REPACKAGING PCB/RAD SOLID WASTE).	7/27/01	SOLID	109	49	7.4	109627-02	C-753-A	C-753-A	TM
	-1	103663	103663-03	CS	BCS TRASH WR116 NITRILE GLOVES, HP SWIPES, LEATHER GLOVES, PLASTIC, PPE, TAPE, HYPALON. (FROM SORTING AND REPACKAGING PCB/RAD SOLID WASTE).	8/10/01	SOLID	120	54	7.4	109627-02	C-753-A	C-753-A	TM
	-1	103663	103663-04	CS	BCS TRASH WR116 NITRILE GLOVES, HP SWIPES, LEATHER GLOVES, PLASTIC, PPE, TAPE, HYPALON. (FROM SORTING AND REPACKAGING PCB/RAD SOLID WASTE).	9/4/01	SOLID	105	48	7.4	109627-02	C-753-A	C-753-A	TM
	-1	103666	103666-01	CS	PCB SPILL CLEANUP DEBRIS, GLOVES, RAGS, SCRUB PADS, PLASTIC	10/3/01	SOLID	116	53	7.4	109626-03	C-753-A	C-746-A	TM
	-1	103674	103674-01	CS	PCB SPILL CLEANUP DEBRIS, GLOVES, RAGS, SCRUB PADS, PLASTIC.	1/17/02	SOLID	131	59	7.4	109626-03	C-753-A	C-746-A	TM
	-1	103879	103879-01	CS	PCB BCS TRASH FROM SAMPLING ACTIVITIES (AW-55).	9/5/00	SOLID	115	52	7.4	109626-05	C-753-A	C-746-B	TM
	-1	103893	103893-01	CS	WOOD PALLET FROM PCB SPILL CLEANUP OF CAS-14965 (PCB-692). ORIGINAL SRUM FROM KPDES DITCH 11 FLUME SLUDGE, CONSERVATIVELY HANDLED AS PCB.	6/4/01	SOLID	133	60	7.4	109654-01	C-753-A	C-753-A	TM
	-1	103953	103953-01	CS	>50PPM PCB SOLID WASTE: OILY RAGS, PIGS, PADS, ETC.	2/3/00	SOLID	137	62	7.4	120108-10	C-753-A	C-537	TM
	-1	104350	104350-01	CS	CUT UP WOODEN PALLETS FROM SPILL OF RFD 11094 (CAS-14967) 5/9/01.	5/10/01	SOLID	110	50	7.4	109654-01	C-753-A	C-746-A	TM
	-1	104357	104357-01	CS	PCB SPILL CLEANUP DEBRIS	8/23/00	SOLID	92	42	7.4	109626-03	C-753-A	C-746-A	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	104365	104365-01	CS	PCB SPILL CLEANUP DEBRIS: GLOVES, RAGS, SCRUB PADS	11/2/00	SOLID	88	40	7.4	109626-03	C-753-A	C-746-A	TM
	-1	104372	104372-01	CS	DECON MATERIAL FROM CAPACITOR PROJECT. PPE, RAGS, PLASTIC, USED SOLVENT.	1/8/01	SOLID	63	29	7.4	109626-04	C-753-A	C-752-A	TM
	-1	104430	104430-01	CS	PCB SPILL CLEANUP DEBRIS, GLOVES, RAGS, PLASTIC.	6/12/02	SOLID	107	49	7.4	109626-03	C-753-A	C-746-A	TM
	-1	104452	104452-01	CS	RAD INCINERABLE DEBRIS. BCS TRASH	11/15/00	SOLID	75	34	7.4	109626-05	C-753-A	C-746-B	TM
	-1	104713	104713-01	CS	PLASTIC/GLASS BOTTLES EMPTY FROM ACID SAMPLE DISPOSAL, PPE.	9/26/01	SOLID	92	42	7.4	108248-01	C-753-A	C-746-A	TM
	-1	104885	104885-01	CS	BOTTLES, PPE, ABSORBENT PADS FROM ACID DISPOSAL.	10/1/01		92	42	7.4	108248-01	C-753-A	C-746-A	TM
	-1	104898	104898-01	CS	PCB/RAD TRASH	6/4/02	SOLID	96	44	7.4	109626-03	C-753-A	C-746-A	TM
	-1	104903	104903-01	CS	2 SMALL BAGS OF PPE FROM PCB SWIPES	6/28/01	SOLID	80	36	7.4	109626-02	C-753-A	C-746-A	TM
1		104953	104953-01	CS	USEC PCB SOLID LAB WASTE	9/21/07	SOLID	5	2	0.67		C-710	C-710	RTM
1		107957	104957-01	CS	USEC PCB SOLID LAB WASTE	8/18/2009	SOLID	5	2	0.67		C-710	C-710	RTM
1		104986	104986-01	CS	USEC PCB SOLID LAB WASTE	8/15/06	SOLID	5	2	0.67		C-710	C-710	RTM
1		105007	105007-02	CS	PCB SPILL CLEANUP SOLIDS, LOG SHEET RECEIVED IN 2009	1/17/03	SOLID	141	64	7.4		C-746-Q	C-333	TM
	-1	105089	105089-01	CS	PCB WASTE SOLIDS / PPE	7/23/02	SOLID	156	71	7.4	109626-04	C-753-A	C-333	TM
	-1	105089	105089-02	CS	PCB WASTE SOLIDS / PPE	7/23/02	SOLID	87	39	7.4	109626-04	C-753-A	C-333	TM
	-1	105124	105124-01	CS	PCB SPILL CLEANUP DEBRIS, PPE, PLASTIC, RAGS, SCRUPB- PADS, AND PAPER.	4/17/02	SOLID	114	52	7.4	109626-03	C-753-A	C-746-A	TM
	-1	106205	106205-01	CS	PCB SPILL CLEANUP DEBRIS, PPE, PLASTIC, RAGS, SCRUB PADS	10/17/02	SOLID	102	46	7.4	109626-03	C-753-A	C-746-A	TM
	-1	106206	106206-01	CS	PCB SPILL CLEAN UP DEBRIS, PPE, PLASTIC, RAGS, SCRUB PADS	11/12/02	SOLID	59	27	7.4	109626-04	C-753-A	C-746-A	TM
	-1	106255	106255-01	CS	EXCESS SAMPLE MATERIAL FROM CHARACTERIZATION ACTIVITIES. CONTAMINATED ROMEX WIRE.	11/14/02	SOLID	7	3	0.67	109667-04	C-746-A	C-746-A	TM
	-1	106311	106311-01	CS	RAD/PCB EMPTY GLASS AND PLASTIC BOTTLES FROM MLLW-02	1/29/03	SOLID	110	50	7.4	108248-01	C-753-A	C-752-A	TM
	-1	106311	106311-02	CS	RAD/PCB EMPTY GLASS AND PLASTIC BOTTLES FROM MLLW-02	1/29/03	SOLID	117	53	7.4	108248-01	C-753-A	C-752-A	TM
	-1	106328	106328-01	CS	PPE, RAGS, MOPHEADS, ETC FROM PCB SPILL CLEANUP.	7/10/03	SOLID	140	64	7.4	109627-02	C-753-A	C-337	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	106333	106333-01	CS	PCB SPILL CLEANUP DEBRIS - PPE, PVC PIPE	1/22/04	SOLID	123	56	7.4	109626-04	C-753-A	C-337	TM
	-1	106335	106335-01	CS	PCB SOLIDS FROM ACTIVITIES ASSOCIATED WITH PCB NON-GASKET SPILL 748. PPE, MOP HEADS, RAGS, SCRUB PADS, GLOVES, PLASTIC.	6/28/04	SOLID	128	58	7.4	109626-04	C-753-A	C-337	TM
	-1	106336	106336-01	CS	PCB SOLIDS FROM ACTIVITIES ASSOCIATED WITH PCB NON-GASKET SPILL 748. APRONS, GLOVES, RAGS, SCRUB PADS, PPE, GLOVES, BOOTIES.	6/28/04	SOLID	124	56	7.4	109626-05	C-753-A	C-337	TM
	-1	106337	106337-01	CS	PCB SOLIDS FROM NON-GASKET SPILL. PPE, MOPHEADS, RAGS, FLAGGING, PADS	7/13/04	SOLID	125	57	7.4	109626-05	C-753-A	C-337	TM
	-1	106339	106339-01	CS	RAGS, PPE, ETC FROM NON-GASKET SPILL 748	9/20/04	SOLID	102	46	7.4	109626-04	C-753-A	C-337	TM
	-1	106345	106345-01	CS	PCB SOLIDS FROM SPILL CLEANUP; PPE, PADS, RAGS	3/30/05	SOLID	99	45	7.4	109626-03	C-753-A	C-337	TM
	-1	106345	106345-02	CS	PCB SOLIDS FROM SPILL CLEANUP; PPE, PADS, RAGS	4/27/05	SOLID	109	49	7.4	109626-03	C-753-A	C-337	TM
	-1	106345	106345-03	CS	PCB SOLIDS FROM SPILL CLEANUP; PPE, PADS, RAGS	4/27/05	SOLID	93	42	7.4	109626-03	C-753-A	C-337	TM
	-1	106368	106368-01	CS	EMPTY DRUM USED FOR SORTING/ SIFTING PCB RAD CONTAMINATED ZORBALL AND FLOOR SWEEPINGS IN 280M3 PROJECT. INTERIOR IS HOT AND DRUM HAS BECOME DEFORMED SO THAT IS IS NO LONGER USABLE.	7/28/03	SOLID	130	59	11.4	120108-10	C-753-A	C-753-A	TM
	-1	106669	106669-01	CS	PCB SOLID SPILL CLEANUP DEBRIS; PAPER, PLASTIC, PPE, SCRUB PADS.	12/8/04	SOLID	113	51	7.4	109626-03	C-753-A	C-752-A	TM
	-1	106674	106674-01	CS	PCB SPILL CLEANUP DEBRIS; PPE, PLASTIC, RAGS	1/21/05	SOLID	97	44	7.4	109626-03	C-753-A	C-752-A	TM
	-1	106733	106733-01	CS	SOLIDS GENERATED DURING ROUTINE ELECTRICAL MAINTENANCE ACTIVITIES ON PCB TRANSFORMERS, CAPACITORS, ETC. GLOVES, PPE, RAGS AND PADS.	8/5/03	SOLID	123	56	7.4	109626-03	C-753-A	C-337	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	106733	106733-02	CS	SOLIDS GENERATED DURING ROUTINE ELECTRICAL MAINTENANCE ACTIVITIES ON PCB TRANSFORMERS, CAPACITORS, ETC. GLOVES, PPE, RAGS AND PADS.	8/5/03	SOLID	132	60	7.4	109627-02	C-753-A	C-337	TM
	-1	106734	106734-01	CS	PCB SOLIDS - PPE, RAGS, PADS	11/8/04	SOLID	86	39	7.4	109626-04	C-753-A	C-333	TM
	-1	106747	106747-01	CS	PCB SOLIDS	10/11/05	SOLID	93	42	7.4	120108-07	C-753-A	C-337	TM
	-1	106748	106748-01	CS	PCB SOLIDS	6/27/05	SOLID	140	64	7.4	120108-10	C-753-A	C-337	TM
	-1	106777	106777-01	CS	MISCELLANEOUS PCB CONTAMINATED WOOD. GENERATED FROM SPILL CLEAN UP ACTIVITIES. MEETS PCB REMEDIATION WASTE OF 40 CFR 761.61 (A)	7/16/03	SOLID	94	43	11.4	109654-01	C-753-A	C-753-A	TM
	-1	107128	107128-01	CS	SAMPLE BOTTLES - EMPTY - REPACKAGED FROM RFDS 108670-01 AND 104893-01	5/10/02	SOLID	43	20	7.4	108248-01	C-753-A	C-752-A	TM
	-1	107128	107128-02	CS	SAMPLE BOTTLES - EMPTY - REPACKAGED FROM RFDS 108670-01 AND 104893-01	5/10/02	SOLID	64	29	7.4	108248-01	C-753-A	C-752-A	TM
	-1	107134	107134-01	CS	SPILL CLEANUP DEBRIS; PPE, RAGS, WOOD PALLETS, PLASTIC FROM LEAKING DRUMS CAS-12855, CAS-12850. REFERENCE NON-GASKET PCB SPILL #749.	7/12/04	SOLID	103	47	7.4	109654-01	C-753-A	C-752-A	TM
	-1	107141	107141-01	CS	PCB SOLID CLEANUP DEBRIS (PPE, PLASTIC, PADS, RAGS)	9/8/04	SOLID	122	55	7.4	109626-03	C-753-A	C-333	TM
	-1	107143	107143-01	CS	PCB SPILL CLEANUP DEBRIS FROM VENT DUCT LEAKS.	10/26/04	SOLID	117	53	7.4	109626-03	C-753-A	PGDP	TM
	-1	107146	107146-01	CS	PCB SPILL CLEANUP DEBRIS FROM VENT DUCT LEAKS: PPE, PLASTIC, RAGS.	3/10/05	SOLID	118	54	7.4	109626-03	C-753-A	C-752-A	TM
	-1	107153	107153-01	CS	MISC WASTE FROM PCB TROUGHING ACTIVITIES - PVC PIPE, PPE, PLASTIC, PADS, RAGS	8/29/07	SOLID	62	28	7.4	120108-10	C-753-A	PGDP	TM
	-1	107153	107153-02	CS	MISC WASTE FROM PCB TROUGHING ACTIVITIES - PVC PIPE, PPE, PLASTIC, PADS, RAGS	10/9/07	SOLID	79	36	7.4	120108-10	C-753-A	PGDP	TM
	-1	107153	107153-03	CS	MISC WASTE FROM PCB TROUGHING ACTIVITIES - PVC PIPE, PPE, PLASTIC, PADS, RAGS	11/6/07	SOLID	102	46	7.4	120108-10	C-753-A	PGDP	TM
	-1	107156	107156-03	CS	MISCELLANEOUS WASTE FROM PCB TROUGHING ACTIVITIES.	4/10/08	SOLID	90	41	7.4	117267-01	PGDP	PGDP	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
1		107157	107157-01	CS	PCB SOLIDS, SST REPAIRS TO VENT DUCTS	9/2/08	SOLID	106	48	7.4		C-746-Q	G-746-P2-01	TM
1		107157	107157-02	CS	PCB SOLIDS, SST REPAIRS TO VENT DUCTS	10/30/08	SOLID	75	34	7.4		C-746-Q	G-746-P2-01	TM
	-1	107426	107426-01	CS	SAMPLE RETURN SOLIDS	2/20/08	SOLID	244	111	7.4	108248-01	C-753-A	C-752-A	TM
	-1	107432	107432-01	CS	COLLECTION CONTAINER OF PCB MISC RCRA LEAD CONTAMINATED ITEMS.	7/22/08	SOLID	443	201	4	108157-01	C-752-A	C-753-A	RTM
	-1	107534	107534-01	CS	PCB SPILL CLEANUP DEBRIS; PPE, RAGS, PLASTIC, PADS, SCRUB PADS.	11/25/03	SOLID	108	49	7.4	120108-10	C-753-A	C-752-A	TM
	-1	107536	107536-01	CS	PCB SPILL CLEANUP DEBRIS; PPE, RAGS, PLASTIC, PADS, SCRUB PADS	2/9/04	SOLID	108	49	7.4	120108-10	C-753-A	C-752-A	TM
	-1	107538	107538-01	CS	PCB SPILL CLEANUP DEBRIS; PPE, RAGS, PLASTIC, PADS, SCRUB PADS.	3/9/04	SOLID	118	54	7.4	120108-10	C-753-A	C-752-A	TM
	-1	107539	107539-01	CS	PCB SPILL CLEANUP DEBRIS; PPE, RAGS, PLASTIC, PADS, SCRUB PADS	5/11/04	SOLID	118	54	7.4	120108-10	C-753-A	C-752-A	TM
	-1	107541	107541-01	CS	PCB SPILL CLEANUP DEBRIS; PPE, PLASTIC, PADS, SCRUB RAGS.	4/6/04	SOLID	127	58	7.4	109626-03	C-753-A	C-752-A	TM
	-1	107542	107542-01	CS	PCB SPILL CLEANUP DEBRIS; PPE, PLASTIC, RAGS, SCRUB PADS.	6/14/04	SOLID	108	49	7.4	109626-03	C-753-A	C-752-A	TM
	-1	107543	107543-01	CS	PCB SPILL CLEANUP DEBRIS; PPE, PLASTIC, RAGS, SCRUB PADS, PVC PIPE AND VALVE.	6/29/04	SOLID	123	56	7.4	109626-04	C-753-A	C-752-A	TM
	-1	107544	107544-01	CS	PCB SPILL CLEANUP DEBRIS; PPE, PLASTIC, RAGS, SCRUB PADS.	7/14/04	SOLID	127	58	7.4	109626-03	C-753-A	C-752-A	TM
	-1	107860	107860-01	CS	PCB SOLIDS	10/21/05	SOLID	109	49	7.4	120108-07	C-753-A	C-337	TM
	-1	107861	107861-01	CS	PCB SOLIDS	8/23/05	SOLID	125	57	7.4	120108-07	C-753-A	C-337	TM
	-1	107864	107864-01	CS	PCB SOLIDS	10/11/05	SOLID	104	47	7.4	120108-07	C-753-A	C-337	TM
	-1	107868	107868-01	CS	PCB SOLIDS (RAGS, PLASTIC, PPE)	1/5/07	SOLID	98	44	7.4	109626-03	C-753-A	C-333	TM
	-1	107871	107871-01	CS	PCB SOLIDS FROM SPILL CLEANUP/DECONTAMINATION - PPE, RAGS, PLASTIC.	12/14/05	SOLID	102	46	7.4	109627-02	C-753-A	C-333	TM
	-1	107873	107873-01	CS	PCB SOLIDS - EM ACTIVITIES IN C-537. RAGS, PADS, PPE, GLOVES.	1/25/01	SOLID	104	47	7.4	109626-05	C-753-A	C-537	TM
1		108157	108157-01	CS	COLLECTION FOR PCB LIGHT BULBS REMOVED FROM VARIOUS PROJECTS.	6/19/08	SOLID	20	9	0.67	109659-01	C-746-A	C-753-A	RTM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	108157	108157-01	CS	Repack of 107432-01 and multiple items from PCB drums; later 108157-01 was repacked into 109659-01	6/19/08	SOLID	20	9	0.67	109659-01	C-746-A	C-753-A	RTM
1		108183	108183-01	CS	SPILL CLEANUP DEBRIS from 11083-05 (CAS-14860)	5/10/1991	SOLID	76	34	7.4		C-752-A	C-752-A	TM
1		108232	108232-01	CS	Repack of 7 drums	7/6/06	SOLID	14853	6737	1171		C-753-A	C-753-A	TM
1		108232	108232-02	CS	Repack of 7 drums	7/6/06	SOLID	13895	6303	1171		C-753-A	C-753-A	TM
1		108232	108232-03	CS	Repack of 12 drums	7/6/06	SOLID	14491	6573	1158		C-753-A	C-753-A	TM
1		108232	108232-04	CS	Repack of 12 drums	7/6/06	SOLID	14739	6686	1171		C-753-A	C-753-A	TM
1		108248	108248-01	CS	Repack of 74 drums	1/18/88	SOLID	13838	6277	1170		C-759	C-753-A	TM
	-1	108510	108510-01	CS	PCB SOLIDS - PPE, PADS, RAGS, MOPHEADS	11/11/05	SOLID	116	53	7.4	109626-03	C-753-A	C-337	TM
	-1	108557	108557-01	CS	PCB SOLIDS FROM WORK IN PCB SPILL AREAS AND PCB CAPACITOR REMOVAL PROJECTS. PPE, RAGS, PADS, MOPHEADS, GLOVES, ETC.	3/23/06	SOLID	121	55	7.4	109626-03	C-753-A	C-337	TM
	-1	108565	108565-01	CS	PCB SOLIDS FROM CLEANUP OF GASKET 1768. PADS, PPE, RAGS, GLASS.	7/7/05	SOLID	129	59	7.4	109626-04	C-753-A	C-337	TM
	-1	108569	108569-01	CS	PCB SOLIDS FROM SPILL CLEANUP	4/5/05	SOLID	87	39	7.4	109626-04	C-753-A	C-333	TM
	-1	108570	108570-01	CS	PCB SOLIDS FROM SPILL #748. PPE, PADS, GLOVES, RAGS	11/4/04	SOLID	107	49	7.4	109626-04	C-753-A	C-337	TM
	-1	108571	108571-01	CS	PCB SOLIDS FROM PCB SPILL 748 AT 72P8B. PPE, GLOVES, BOOTIES, BAG, MOPHEAD.	11/4/04	SOLID	135	61	7.4	109627-02	C-753-A	C-337	TM
	-1	108571	108571-02	CS	PCB SOLIDS FROM PCB SPILL 748 AT 72P8B. PPE, GLOVES, BOOTIES, BAG, MOPHEAD.	3/15/06	SOLID	116	53	7.4	109627-02	C-753-A	C-337	TM
	-1	108571	108571-03	CS	PCB SOLIDS FROM PCB SPILL 748 AT 72P8B. PPE, GLOVES, BOOTIES, BAG, MOPHEAD.	3/15/06	SOLID	111	50	7.4	109626-03	C-753-A	C-337	TM
	-1	108571	108571-04	CS	PCB SOLIDS FROM PCB SPILL 748 AT 72P8B. PPE, GLOVES, BOOTIES, BAG, MOPHEAD.	3/15/06	SOLID	88	40	7.4	109627-02	C-753-A	C-337	TM
	-1	108572	108572-01	CS	PCB SOLIDS FROM SPILL CLEANUP. PPE, RAGS, GLOVES, PADS, BOOTIES.	11/4/04	SOLID	94	43	7.4	109626-05	C-753-A	C-337	TM
	-1	108599	108599-01	CS	SOLIDS FROM CLEANUP OF PCB SPILL 771, 772, 1768. PPE, RAGS, MOP HEAD.	7/8/05	SOLID	120	54	7.4	120108-07	C-753-A	C-337	TM
	-1	108885	108885-01	CS	PCB SPILL CLEANUP SOLIDS - PPE, PLASTIC, RAGS, PADS	4/6/06	SOLID	101	46	7.4	120108-10	C-753-A	PGDP	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	108886	108886-01	CS	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	7/12/06	SOLID	91	41	7.4	120108-10	C-753-A	PGDP	TM
	-1	108888	108888-01	CS	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	9/18/06	SOLID	97	44	7.4	120108-10	C-753-A	PGDP	TM
	-1	108888	108888-02	CS	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	12/19/06	SOLID	110	50	7.4	120108-10	C-753-A	PGDP	TM
	-1	108888	108888-03	CS	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	3/29/07	SOLID	111	50	7.4	120108-10	C-753-A	PGDP	TM
	-1	108888	108888-05	CS	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	7/12/07	SOLID	114	52	7.4	120108-10	C-753-A	PGDP	TM
	-1	108888	108888-06	CS	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	11/5/07	SOLID	112	51	7.4	120108-10	C-753-A	PGDP	TM
	-1	108892	108892-01	CS	PCB SOLID SPILL CLEANUP DEBRIS; PPE, RAGS	1/8/07	SOLID	97	44	7.4	109626-03	C-753-A	PGDP	TM
	-1	108892	108892-02	CS	PCB SOLIDS, NEVER GENERATED	12/28/06	SOLID	1	0	7.4		C-752-A	C-752-A	TM
	-1	108896	108896-01	CS	PPE, PLASTIC, RAGS, PADS FROM DECON OF PCB RAMS IN DMSA 337-35.	2/28/08	SOLID	103	47	7.4	109626-04	C-753-A	C-337	TM
	-1	108896	108896-02	CS	PPE, PLASTIC, RAGS, PADS FROM DECON OF PCB RAMS IN DMSA 337-35.	5/14/08	SOLID	106	48	7.4	109626-05	C-753-A	C-337	TM
	-1	108896	108896-03	CS	PPE, PLASTIC, RAGS, PADS FROM DECON OF PCB RAMS IN DMSA 337-35.	5/19/08	SOLID	104	47	7.4	109626-03	C-753-A	C-337	TM
	-1	108897	108897-01	CS	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	7/16/08	SOLID	82	37	7.4	109626-03	C-753-A	PGDP	TM
	-1	108902	108902-01	CS	MISCELLANEOUS WASTE FROM PCB TROUGHING ACTIVITIES (PVC PIPING, VALVES, FITTINGS, GLOVES, RAGS).	1/18/07	SOLID	64	29	7.4	109626-04	C-753-A	PGDP	TM
	-1	108902	108902-02	CS	MISCELLANEOUS WASTE FROM PCB TROUGHING ACTIVITIES (PVC PIPING, VALVES, FITTINGS, GLOVES, RAGS).	8/20/07	SOLID	83	38	7.4	109626-03	C-753-A	PGDP	TM
	-1	108926	108926-01	CS	PCB SOLID SPILL CLEANUP DEBRIS/PPE	2/14/06	SOLID	111	50	7.4	109626-03	C-753-A	PGDP	TM
	-1	108955	108955-01	CS	PCB SOLIDS FROM SPILL CLEANUP/SAMPLING. PPE, MOP, ABSORBENTS, RAGS, PLASTIC, FLAGGING.	10/19/06	SOLID	138	63	7.4	120108-07	C-753-A	C-337	TM
	-1	108956	108956-01	CS	PCB SOLIDS FROM SPILL CLEANUP/SAMPLING. PPE, PADS, RAGS, FLAGGING, TAPE	8/8/06	SOLID	125	57	7.4	109626-05	C-753-A	C-337	TM
	-1	108960	108960-01	CS	PCB SOLIDS - SPILL CLEANUP / PREPPING FOR ENCAPSULATIONS.	11/14/06	SOLID	289	131	7.4	109626-03	C-753-A	C-337	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	108965	108965-01	CS	PCB SOLIDS FROM MAINTENANCE AND SPILL CLEANUP (PPE, RAGS, PADS)	8/14/07	SOLID	117	53	7.4	109626-03	C-753-A	C-337	TM
	-1	108977	108977-01	CS	PCB SOLIDS FROM SPILL CLEANUP (PCB 1835). PPE, RAGS, PADS, MOPHEADS	6/5/07	SOLID	99	45	7.4	109626-03	C-753-A	C-333	TM
	-1	108978	108978-01	CS	PCB SOLIDS FROM SPILL CLEANUP (GASKET 1835). RAGS, PPE, PADS, MOPHEADS	5/23/07	SOLID	155	70	7.4	109626-03	C-753-A	C-333	TM
	-1	108979	108979-01	CS	PCB SOLIDS FROM MAINTENANCE ACTIVITIES (PLASTIC, RAGS, PPE).	4/12/07	SOLID	124	56	7.4	109626-03	C-753-A	C-757	TM
	-1	108989	108989-01	CS	PCB SOLIDS FROM SPILL CLEANUP.	11/23/07	SOLID	107	49	7.4	120108-10	C-753-A	C-337	TM
	-1	109153	109153-01	CS	BCS WASTE FROM PCB SAMPLING ACTIVITIES (PAPER, PLASTIC, PADS, PPE)	10/31/05	SOLID	87	39	7.4	109626-02	C-753-A	C-752-A	TM
	-1	109158	109158-01	CS	PCB SAMPLING DEBRIS (BCS) - PPE, PADS, PLASTIC, GLASS	8/21/07	SOLID	107	49	7.4	109626-04	C-753-A	C-752-A	TM
	-1	109169	109169-01	CS	PUNCTURED AEROSOL CANS FROM 101930-01 AND 123126-01.	3/13/90	SOLID	15	7	0.67	117267-01	PGDP	C-733	TM
1		109612	109612-01	CS	Re-RFD of 120251-14	7/12/07	SOLID	119	54	7.4		C-752-A	SWOU Soil Piles	RTM
1		109612	109612-02	CS	Re-RFD of 120252-06	6/27/07	SOLID	150	68	7.4		C-752-A	SWOU Soil Piles	RTM
1		109612	109612-03	CS	Re-RFD of 120253-04	5/23/07	SOLID	260	118	7.4		C-752-A	SWOU Soil Piles	RTM
1		109626	109626-01	CS	Repack of 63 drums	7/29/83	SOLID	10610	4813	1171		C-753-A	C-753-A	TM
1		109626	109626-02	CS	Repack of 66 drums	2/25/85	SOLID	8616	3908	1170		C-753-A	C-753-A	TM
1		109626	109626-03	CS	Repack of 70 drums	8/24/89	SOLID	7819	3547	1165		C-753-A	C-753-A	TM
1		109626	109626-04	CS	Repack of 72 drums	2/11/87	SOLID	8410	3815	1173		C-753-A	C-753-A	TM
1		109626	109626-05	CS	Repack of 66 drums	12/13/88	SOLID	7394	3354	1173		C-753-A	C-753-A	TM
1		109627	109627-01	CS	Repack of 61 drums	2/11/87	SOLID	9161	4155	1170		C-753-A	C-753-A	TM
1		109627	109627-02	CS	Repack of 71 drums	7/2/89	SOLID	10263	4655	1171		C-753-A	C-753-A	TM
1		109631	109631-01	CS	Repack of 9 drums	2/14/91	SOLID	12820	5815	690		C-753-A	C-753-A	TM
1		109654	109654-01	CS	Repack of 58 drums	5/9/88	SOLID	13638	6186	540		C-753-A	C-753-A	TM
1		109659	109659-01	CS	Repack of 5 drums	4/6/00	SOLID	2712	1230	90		C-746-A	C-746-A	RTM
1		109667	109667-02	CS	Repack of 5 drums	2/6/90	SOLID	2337	1060	90		C-746-A	C-746-A	TM
1		109667	109667-04	CS	Repack of 3 drums	2/6/90	SOLID	1755	796	90		C-746-A	C-746-A	TM
	-1	111807	111807-01	CS	DMSA PCB COLLECTION CONTAINER	1/29/02	SOLID	82	37	7.4	109626-02	C-753-A	C-752-A	TM
	-1	113327	113327-01	CS	PCB RAD WASTE FROM DMSAS	8/15/02	SOLID	78	35	7.4	109626-02	C-753-A	PGDP	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	113600	113600-01	CS	PCB SPILL CLEANUP DEBRIS, GLOVES, RAGS, PLASTIC, SCRUB PADS	8/7/02	SOLID	192	87	7.4	109626-05	C-753-A	C-746-A	TM
	-1	114010	114010-01	CS	PCB SPILL CLEANUP DEBRIS, GLOVES, RAGS, PLASTIC, SCRUB PADS	9/24/02	SOLID	104	47	7.4	109626-03	C-753-A	C-746-A	TM
	-1	115562	115562-01	CS	PANS, PADS, PILLOWS	7/6/06	SOLID	119	54	7.4	108232-03	C-753-A	C-337	TM
	-1	115563	115563-01	CS	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7/6/06	SOLID	88	40	7.4	108232-03	C-753-A	C-337	TM
	-1	115563	115563-02	CS	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7/6/06	SOLID	103	47	7.4	108232-03	C-753-A	C-337	TM
	-1	115563	115563-03	CS	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7/6/06	SOLID	122	55	7.4	108232-02	C-753-A	C-337	TM
	-1	115563	115563-04	CS	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7/6/06	SOLID	157	71	7.4	108232-03	C-753-A	C-337	TM
	-1	115563	115563-05	CS	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7/6/06	SOLID	157	71	7.4	108232-03	C-753-A	C-337	TM
	-1	115563	115563-06	CS	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7/6/06	SOLID	196	89	11.4	108232-03	C-753-A	C-337	TM
	-1	115563	115563-07	CS	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7/6/06	SOLID	109	49	7.4	108232-04	C-753-A	C-337	TM
	-1	115563	115563-08	CS	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7/6/06	SOLID	72	33	7.4	108232-03	C-753-A	C-337	TM
	-1	115563	115563-09	CS	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7/6/06	SOLID	130	59	7.4	108232-04	C-753-A	C-337	TM
	-1	115563	115563-10	CS	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7/6/06	SOLID	99	45	7.4	108232-04	C-753-A	C-337	TM
	-1	115563	115563-11	CS	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7/6/06	SOLID	133	60	7.4	108232-04	C-753-A	C-337	TM
	-1	115563	115563-12	CS	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7/6/06	SOLID	108	49	7.4	108232-03	C-753-A	C-337	TM
	-1	115563	115563-13	CS	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7/6/06	SOLID	280	127	7.4	108232-01	C-753-A	C-337	TM
	-1	115563	115563-14	CS	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7/6/06	SOLID	106	48	7.4	108232-02	C-753-A	C-337	TM
	-1	115563	115563-15	CS	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7/6/06	SOLID	119	54	7.4	108232-03	C-753-A	C-337	TM
	-1	115563	115563-16	CS	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7/6/06	SOLID	172	78	7.4	108232-01	C-753-A	C-337	TM
	-1	115563	115563-17	CS	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7/6/06	SOLID	100	45	7.4	108232-04	C-753-A	C-337	TM
	-1	115563	115563-18	CS	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7/6/06	SOLID	208	94	7.4	108232-01	C-753-A	C-337	TM
	-1	115563	115563-19	CS	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7/6/06	SOLID	226	103	7.4	108232-01	C-753-A	C-337	TM
	-1	115563	115563-20	CS	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7/6/06	SOLID	100	45	7.4	108232-04	C-753-A	C-337	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	115563	115563-21	CS	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7/6/06	SOLID	124	56	7.4	108232-02	C-753-A	C-337	TM
	-1	115563	115563-22	CS	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7/6/06	SOLID	106	48	7.4	108232-02	C-753-A	C-337	TM
	-1	115563	115563-23	CS	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7/6/06	SOLID	117	53	7.4	108232-03	C-753-A	C-337	TM
	-1	115563	115563-24	CS	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7/6/06	SOLID	226	103	7.4	108232-01	C-753-A	C-337	TM
	-1	115563	115563-25	CS	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7/6/06	SOLID	147	67	7.4	108232-04	C-753-A	C-337	TM
	-1	115571	115571-01	CS	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	7/19/06	SOLID	180	82	7.4	108232-01	C-753-A	C-337	TM
	-1	115571	115571-02	CS	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	7/19/06	SOLID	125	57	7.4	108232-02	C-753-A	C-337	TM
	-1	115571	115571-03	CS	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	7/19/06	SOLID	115	52	7.4	108232-04	C-753-A	C-337	TM
	-1	115571	115571-04	CS	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	7/19/06	SOLID	114	52	7.4	108232-04	C-753-A	C-337	TM
	-1	115571	115571-05	CS	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	7/19/06	SOLID	96	44	7.4	108232-04	C-753-A	C-337	TM
	-1	115571	115571-06	CS	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	7/19/06	SOLID	107	49	7.4	108232-03	C-753-A	C-337	TM
	-1	115571	115571-07	CS	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	7/19/06	SOLID	110	50	7.4	108232-04	C-753-A	C-337	TM
	-1	115571	115571-08	CS	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	7/19/06	SOLID	126	57	7.4	108232-02	C-753-A	C-337	TM
	-1	115571	115571-09	CS	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	7/19/06	SOLID	126	57	7.4	108232-02	C-753-A	C-337	TM
	-1	115571	115571-10	CS	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	7/19/06	SOLID	116	53	7.4	108232-04	C-753-A	C-337	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	115572	115572-01	CS	CONTAMINATED TRASH - FLAGGING, FLOORSWEEP, HOSE, CONCRETE, GLOVES, PLASTIC, MASLIN, A/C FILTERS, PIPE FITTINGS, SHIM STOCK, ETC.	7/19/06	SOLID	152	69	7.4	108232-03	C-753-A	C-337	TM
	-1	115572	115572-02	CS	CONTAMINATED TRASH - FLAGGING, FLOORSWEEP, HOSE, CONCRETE, GLOVES, PLASTIC, MASLIN, A/C FILTERS, PIPE FITTINGS, SHIM STOCK, ETC.	7/19/06	SOLID	181	82	7.4	108232-01	C-753-A	C-337	TM
	-1	116131	116131-01	CS	OILY PCB RAGS. ORIGINALLY GIVEN W# W03126	6/2/04	SOLID	214	97	11.4	109626-02	C-753-A	PGDP	TM
	-1	116601	116601-01	CS	MISC PCB METAL, PADS, RAGS, PLASTIC, PPE	1/10/06	SOLID	37	17	0.67	120108-10	C-753-A	PGDP	TM
	-1	116920	116920-01	CS	PCB COLLECTION CONTAINER (PPE, PLASTIC)	10/15/07	SOLID	77	35	7.4	117037-01	DMSA	DMSA	TM
1		117267	117267-01	CS	Repack of 9 drums: metal,PVC pipe, empty drums						117267-01			
1		118326	118326-01	CS	Glass and plastic sample bottles from consolidation of USEC lab waste RFD 120843-01 DTS 5/14/07	5/14/07	SOLID	39	18	4		C-753-A	C-757	TM
1		118330	118330-01	CS	PCB SOLIDS (GLOVES, PPE) FROM C-337, E;ECTRICAL MAINTENANCE ON PCB EQUIPMENT USEC 4436TW. RFD received late.	5/6/08	SOLID	164	74	7.4		C-337	C-752-A	TM
1		118359	118359-01	CS	replaces RFD 102620-01 USEC PF lab waste	8/26/98	SOLID	11	5	0.67		C-753-A	C-710	TM
	-1	118360	118360-01	CS	LEAD-BEARING FUSES (12) WITH INSULATORS AND CABLE ATTACHED. ALL ITEMS HAVE SURFACE PCB CONTAMINATION FROM PCB 811 (INSIDE CAPACITOR CABINET).	10/27/08	SOLID	155	70	7.4	109659-01	C-746-A	C-333	RTM
1		118379	118379-01	CS	FLOORSWEEP - LLW, PCB BULK PRODUCT. Declared PCB in 2009.	6/24/08	SOLID	398	181	7.4		C-752-A	C-342	TM
	-1	118520	118520-01	CS	EMPTY 55-GALLON UNIAI DRUMS, USED DURING MAINTENANCE OF PCB TRANSFORMERS AS STORAGE CONTAINERS OF OIL (~500,000 PPM PCB). DTA 11-25-09	11/25/09	SOLID	1232	559	162.8	109605-09	C-746-A	C-337	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	120010	120010-01	CS	PCB SOLID SPILL CLEANUP DEBRIS: PPE, RAGS, PADS, SCRUB PADS	5/11/05	SOLID	113	51	7.4	109626-03	C-753-A	PGDP	TM
	-1	120011	120011-01	CS	PCB SPILL CLEANUP DEBRIS - PPE, PADS, RAGS	6/29/05	SOLID	113	51	7.4	109626-03	C-753-A	C-752-A	TM
	-1	120013	120013-01	CS	PCB SPILL CLEANUP DEBRIS; PPE, RAGS, PADS	7/21/05	SOLID	118	54	7.4	120108-10	C-753-A	C-752-A	TM
	-1	120019	120019-01	CS	PCB CLEANUP DEBRIS: CONSISTS OF SARANEX SUITS, EAR PLUGS, NITRILE GLOVES, PCB PIPING, ETC. THESE WERE NOT GENERATED FROM A FISSILE AREA.	2/8/05	SOLID	75	34	7.4	109626-03	C-753-A	PGDP	TM
	-1	120019	120019-02	CS	PCB CLEANUP DEBRIS: CONSISTS OF SARANEX SUITS, EAR PLUGS, NITRILE GLOVES, PCB PIPING, ETC. THESE WERE NOT GENERATED FROM A FISSILE AREA.	5/18/05	SOLID	71	32	7.4	109626-04	C-753-A	PGDP	TM
	-1	120020	120020-01	CS	PCB CLEANUP DEBRIS; CONSISTS OF SARANEX SUITS, EAR PLUGS, NITRILE GLOVES, PCB PIPING, ETC. THESE WERE NOT FROM A FISSILE AREA.	7/20/05	SOLID	89	40	7.4	109626-04	C-753-A	PGDP	TM
	-1	120044	120044-01	CS	PCB SPILL CLEANUP DEBRIS; PPE, RAGS	11/2/05	SOLID	123	56	7.4	109626-03	C-753-A	PGDP	TM
	-1	120101	120101-01	CS	5 GALLON COLLECTION CONTAINER FOR MERCURY THEMOSTAT.	12/13/00	SOLID	49	22	0.67	109659-01	C-746-A	C-746-A	RTM
	-1	120106	120106-01	CS	AEROSOL CAN PCB	12/4/08	SOLID	768	348	7.4	109169-01	C-733	C-743	RTM
1		120108	120108-06	CS	Repack of 71 drums	2/22/90	SOLID	14807	6716	1173		C-753-A	C-743	TM
1		120108	120108-07	CS	Repack of 64 drums	5/10/88	SOLID	9123	4138	1171		C-753-A	C-743	TM
1		120108	120108-08	CS	Repack of 69 drums	3/21/89	SOLID	14269	6472	1171		C-753-A	C-744	TM
1		120108	120108-09	CS	Repack of 71 drums	5/10/88	SOLID	15528	7044	1172		C-753-A	C-745	TM
1		120108	120108-10	CS	Repack of 56 drums	6/7/85	SOLID	9050	4105	1170		C-753-A	C-746	TM
1		120127	120127-01	CS	ER SPILL CLEANUP	12/4/08	SOLID	14	6	0.67		C-753-A	C-755	TM
1	-1	120251	120251-14	CS	ER sampling, NOT PREVIOUSLY COUNTED; Re-RFD'd as 109612-01	7/12/07	SOLID	119	54	7.4	109612-01	C-752-A	SWOU Soil Piles	RTM
1	-1	120252	120252-06	CS	ER sampling, NOT PREVIOUSLY COUNTED; Re-RFD'd as 109612-02	6/27/07	SOLID	150	68	7.4	109612-02	C-752-A	SWOU Soil Piles	RTM
1	-1	120253	120253-04	CS	ER sampling, NOT PREVIOUSLY COUNTED; Re-RFD'd as 109612-03	5/23/07	SOLID	260	118	7.4	109612-03	C-752-A	SWOU Soil Piles	RTM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	120253	120253-05	CS	SWOU SOIL PILES - NOT TSCA, may have been intended to be 120253-04 which was PCB.	8/13/08	SOLID	432	196	7.4		SWOU	ER SOIL PILES	RM
1		120289	120289-01	CS	SAMPLE RESIDUALS ER SOIL PILES	10/22/08	SOLID	128	58	7.4		C-752-A	ER SOIL PILES	TM
1		120289	120289-02	CS	SAMPLE RESIDUALS ER SOIL PILES	11/26/08	SOLID	286	130	7.4		C-752-A	ER SOIL PILES	TM
1		120289	120289-03	CS	SAMPLE RESIDUALS ER SOIL PILES	12/8/08	SOLID	340	154	7.4		C-752-A	ER SOIL PILES	TM
	-1	120770	120770-01	CS	PAINT CHIPS AND FLOORSWEEP	9/24/07	SOLID	317	144	7.4	120108-10	C-753-A	C-746-A	TM
	-1	120770	120770-02	CS	PAINT CHIPS AND FLOORSWEEP	9/24/07	SOLID	315	143	7.4	120108-10	C-753-A	C-746-A	TM
1		120789	120789-01	CS	DEBRIS FROM MERCURY SPILL CLEANUP INCLUDES PRESSURE GAGE, FLOORSWEEP, CARTRIDGES, RUBBER GLOVES. A SMALL VIAL OF LIQUID MERCURY WAS REMOVED ON 09/16/09 AND ADDED TO 109630-01.	6/25/08	SOLID	10	5	0.67		C-752-A	C-342	RTM
	-1	120811	120811-01	CS	PCB SOLID WASTE - SPILL #1835 (APRON, SCUFFS, MOPHEAD, PLASTIC).	8/28/07	SOLID	93	42	7.4	109626-03	C-753-A	C-333	TM
1		120812	120812-01	CS	PCB SPILL CLEANUP SOLIDS	10/23/07	SOLID	140	64	7.4		C-753-A	C-333	TM
	-1	120831	120831-01	CS	PCB SOLIDS FROM SPILL CLEANUP AND ELECTRICAL MAINTENANCE (PADS, PPE, RAGS).	8/3/07	SOLID	90	41	7.4	109626-03	C-753-A	C-337	TM
1		120845	120845-01	CS	PCB METAL	5/28/08	SOLID	2084	945	90		C-753-A	C-337	TM
1		120847	120847-01	CS	PCB METAL	10/1/07	SOLID	1227	557	90		C-746-Q	C-335	TM
1		121302	121302-01	CS	Repack of 8 drums	8/6/91	SOLID	4349	1973	90		C-746-A	C-746-A	TM
1		121302	121302-02	CS	Repack of 7 drums	9/2/97	SOLID	4306	1953	90		C-746-A	C-746-A	TM
1		121312	121312-01	CS	Repack of 4 drums	7/7/97	SOLID	2686	1218	90		C-746-Q	C-404	RTM
1		121312	121312-02	CS	Repack of 4 drums	7/7/97	SOLID	2634	1195	90		C-746-Q	C-404	RTM
1		121312	121312-03	CS	Repack of 4 drums	9/9/87	SOLID	2682	1217	90		C-746-Q	C-404	RTM
1		121312	121312-04	CS	Repack of 4 drums	7/7/97	SOLID	2458	1115	90		C-746-Q	C-404	RTM
1		20389	20389-02	CS	FLOOR SWEEP	11/22/91	SOLID	256	116	7.4		C-746-Q	C-400	TM
1		31889	31889-01	CS	OILY RAGS	10/23/92	SOLID	131	59	7.4		C-752-A	C-400	TM
	-1	33067	33067-01	CS	PPE/PLASTIC	1/5/95	SOLID	93	42	7.4	109626-04	C-753-A	C-337	TM
	-1	35196	35196-01	CS	PPE/PADS/SHOES/GLOVES	1/27/97	SOLID	89	40	7.4	109626-04	C-753-A	C-537	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	38663	38663-01	CS	1/4 COPPER TUBING AND AIR REGULATOR	4/20/95	SOLID	26	12	0.67	117267-01	PGDP	C-337	TM
	-1	41888	41888-01	CS	PADS/PPE; PCB SOLIDS	10/20/95	SOLID	67	30	7.4	120108-10	C-753-A	C-400	TM
	-1	44292	44292-02	CS	DUST/SCRAPINGS FROM LAB HOOD	4/3/97	SOLID	13	6	0.67	109631-01	C-753-A	C-710	TM
	-1	45234	45234-01	CS	PAPER/PLASTIC/GLASS/SOIL	3/23/95	SOLID	127	58	7.4	109631-01	C-753-A	C-710	TM
	-1	45243	45243-01	CS	PAPER/PLASTIC/GLASS/SOIL	8/16/95	SOLID	178	81	7.4	109631-01	C-753-A	C-710	TM
	-1	46016	46016-01	CS	PPE/MASLIN/PADS	7/24/97	SOLID	83	38	7.4	109626-05	C-753-A	C-746-A	TM
	-1	46097	46097-01	CS	PPE/TRASH/PALCO	6/5/98	SOLID	121	55	7.4	109627-02	C-753-A	C-746-A	TM
	-1	46743	46743-01	CS	PPE/PLASTIC	2/9/95	SOLID	81	37	7.4	109626-02	C-753-A	C-746-A	TM
	-1	46743	46743-02	CS	PPE/PLASTIC	2/9/95	SOLID	108	49	7.4	109626-05	C-753-A	C-746-A	TM
	-1	46881	46881-01	CS	PPE	2/22/96	SOLID	86	39	7.4	109626-02	C-753-A	WAG 23	TM
	-1	47611	47611-01	CS	PCB CONTAMINATED LAB WASTE	11/6/96	SOLID	194	88	7.4	109631-01	C-753-A	C-710	TM
	-1	47613	47613-01	CS	RAD/PCB (PAPER/PLASTIC/GLASS)	12/11/96	SOLID	203	92	7.4	109631-01	C-753-A	C-710	TM
	-1	47617	47617-01	CS	PCB CONTAMINATED PAPER/PLASTIC	1/30/97	SOLID	200	91	7.4	109631-01	C-753-A	C-710	TM
	-1	48712	48712-01	CS	PPE/PADS/FILTERS/RUBBER	4/22/97	SOLID	129	59	7.4	109626-02	C-753-A	C-752-A	TM
	-1	48718	48718-01	CS	WOOD/PALCO (WET)	6/11/97	SOLID	134	61	7.4	109654-01	C-753-A	C-752-A	TM
	-1	48724	48724-01	CS	WOOD FROM WASTE WATER TREATMENT	7/16/97	SOLID	143	65	7.4	109626-03	C-753-A	C-752-A	TM
	-1	49667	49667-01	CS	PPE	3/19/96	SOLID	103	47	7.4	109626-01	C-753-A	WAG 23	TM
	-1	50208	50208-01	CS	ZORBALL, SAND	2/3/97	SOLID	32	15	0.67	120108-10	C-753-A	C-400	TM
	-1	51242	51242-01	CS	PPE/PLASTIC/PADS FROM ELECT MT	2/7/97	SOLID	98	44	7.4	109626-04	C-753-A	C-337	TM
	-1	51247	51247-01	CS	PPE/RAGS/PLASTIC FROM ELECT MT	5/23/97	SOLID	113	51	7.4	109626-03	C-753-A	C-337	TM
	-1	51248	51248-01	CS	PPE/PADS/PLASTIC FROM ELECT MT	6/16/97	SOLID	148	67	7.4	109626-03	C-753-A	C-337	TM
	-1	51348	51348-01	CS	PPE/RAGS/PIGS/MASLINS	7/9/96	SOLID	129	59	7.4	109626-03	C-753-A	C-746-A	TM
	-1	51349	51349-01	CS	WOODEN PALLET/PLYWOOD	7/12/96	SOLID	140	64	7.4	109654-01	C-753-A	C-746-B	TM
	-1	51359	51359-01	CS	WOOD/PLASTIC/PPE	11/22/95	SOLID	118	54	7.4	109654-01	C-753-A	C-746-A	TM
	-1	51367	51367-01	CS	PAPER/PLASTIC	9/28/95	SOLID	71	32	7.4	109626-01	C-753-A	C-746-A	TM
	-1	51369	51369-01	CS	PALLET	9/27/95	SOLID	146	66	7.4	109654-01	C-753-A	C-746-A	TM
	-1	51371	51371-01	CS	PLASTIC/WOOD SHAVINGS	9/27/95	SOLID	64	29	7.4	109654-01	C-753-A	C-746-A	TM
	-1	51388	51388-01	CS	PAPER/PLASTIC/WIPES	6/15/95	SOLID	98	44	7.4	109626-03	C-753-A	C-746-A	TM
	-1	51404	51404-01	CS	RAGS/KIMWIPES/PPE/PLASTIC	4/7/95	SOLID	86	39	7.4	109626-02	C-753-A	C-746-A	TM
	-1	51413	51413-01	CS	PPE/GLOVES/PLASTIC	7/14/95	SOLID	110	50	7.4	109626-03	C-753-A	C-746-A	TM
	-1	51419	51419-01	CS	PPE, KIMWIPES	8/14/95	SOLID	96	44	7.4	109626-03	C-753-A	C-746-A	TM
	-1	51419	51419-02	CS	KIMWIPES/PPE	8/14/95	SOLID	119	54	7.4	109626-03	C-753-A	C-746-A	TM
	-1	51912	51912-01	CS	CLAY ABSORBENT	9/10/96	SOLID	361	164	7.4	120108-10	C-753-A	C-753-A	TM
	-1	51912	51912-02	CS	CLAY ABSORBENT	9/17/96	SOLID	337	153	7.4	120108-10	C-753-A	C-753-A	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	51916	51916-01	CS	HYPALON/APRONS/GLOVES(RUBBER)	9/20/96	SOLID	207	94	7.4	117267-01	PGDP	C-753-A	TM
	-1	51917	51917-01	CS	RAGS/PPE	9/12/96	SOLID	137	62	7.4	109626-02	C-753-A	C-753-A	TM
	-1	51922	51922-01	CS	PPE FROM SPILL CLEANUP (#602)	7/21/97	SOLID	97	44	7.4	109627-02	C-753-A	C-753-A	TM
	-1	52834	52834-01	CS	INCINERABLE PCB DEBRIS	8/29/96	SOLID	111	50	7.4	108248-01	C-753-A	C-746-A	TM
	-1	52836	52836-01	CS	PPE	10/10/96	SOLID	95	43	7.4	109626-05	C-753-A	C-746-A	TM
	-1	52848	52848-01	CS	SAMPLING DEBRIS-PPE,PAPER,PLASTC	12/9/96	SOLID	92	42	7.4	108248-01	C-753-A	C-746-A	TM
	-1	53076	53076-01	CS	PPE/RAGS	3/7/97	SOLID	99	45	7.4	109626-05	C-753-A	C-746-A	TM
	-1	53219	53219-01	CS	WOOD/PPE/PLASTIC	10/22/96	SOLID	99	45	7.4	109654-01	C-753-A	C-746-A	TM
	-1	53982	53982-01	CS	WOOD PALLET	2/6/96	SOLID	154	70	7.4	109654-01	C-753-A	C-746-A	TM
	-1	53983	53983-01	CS	PPE/PLASTIC/SMPLG DEBRIS(C-409)	10/5/95	SOLID	141	64	7.4	109626-03	C-753-A	C-746-A	TM
	-1	53986	53986-01	CS	PPE, WOOD	3/4/96	SOLID	142	64	7.4	109626-05	C-753-A	C-746-A	TM
	-1	53989	53989-01	CS	WOODEN PALLETS	3/8/96	SOLID	152	69	7.4	109654-01	C-753-A	C-746-A	TM
	-1	53990	53990-01	CS	WOOD PALLETS/PLASTIC	3/8/96	SOLID	101	46	7.4	109654-01	C-753-A	C-746-A	TM
	-1	53991	53991-01	CS	PIG PADS/PLASTIC/PPE	3/8/96	SOLID	89	40	7.4	120108-10	C-753-A	C-746-A	TM
	-1	54002	54002-01	CS	TYVEK/RAGS/MASLINS/DRUMCOVERS	3/20/96	SOLID	86	39	7.4	109626-04	C-753-A	C-746-A	TM
	-1	54100	54100-01	CS	DEPLETED CARBON FILTER SYSTEM	9/2/97	SOLID	671	304	11.4	121302-02	C-746-A	C-752-A	TM
	-1	54100	54100-02	CS	DEPLETED CARBON FILTER SYSTEM	9/2/97	SOLID	655	297	11.4	121302-02	C-746-A	C-752-A	TM
	-1	54100	54100-03	CS	DEPLETED CARBON FILTER SYSTEM	9/2/97	SOLID	656	298	11.4	121302-02	C-746-A	C-752-A	TM
	-1	54100	54100-04	CS	DEPLETED CARBON FILTER SYSTEM	9/2/97	SOLID	645	293	11.4	121302-02	C-746-A	C-752-A	TM
1		54601	54601-01	CS	FLOOR SWEEP	9/6/95	SOLID	229	104	11.4		C-746-A	C-410	TM
1		54601	54601-02	CS	FLOOR SWEEP	9/6/95	SOLID	211	96	11.4		C-746-A	C-410	TM
1		54601	54601-03	CS	FLOOR SWEEP	9/6/95	SOLID	218	99	11.4		C-746-A	C-410	TM
	-1	54607	54607-01	CS	RAGS/PLASTIC/GLASS	3/14/95	SOLID	120	54	7.4	109626-01	C-753-A	C-340	TM
	-1	54619	54619-01	CS	RAGS/PPE/LIGHT FIXTURE	6/13/96	SOLID	90	41	7.4	109626-02	C-753-A	C-410	TM
	-1	54911	54911-03	CS	PLASTIC/PADS	9/11/97	SOLID	68	31	7.4	120108-07	C-753-A	C-337	TM
	-1	54911	54911-04	CS	PPE/RAGS	12/6/97	SOLID	68	31	7.4	109626-04	C-753-A	C-337	TM
	-1	55479	55479-01	CS	PPE/PADS/RAGS	5/19/97	SOLID	95	43	7.4	109627-02	C-753-A	C-333	TM
	-1	55479	55479-02	CS	PPE/PADS/RAGS	5/19/97	SOLID	83	38	7.4	109627-02	C-753-A	C-333	TM
	-1	55488	55488-01	CS	PPE/RAGS/PADS/PLASTIC	10/20/97	SOLID	135	61	7.4	109626-04	C-753-A	C-333	TM
	-1	55488	55488-02	CS	PPE/RAGS/PADS/FLAGGING/MOPHEADS	10/20/97	SOLID	75	34	7.4	109626-02	C-753-A	C-333	TM
	-1	55518	55518-01	CS	PPE/PLASTIC/PADS	3/3/98	SOLID	87	39	7.4	109626-05	C-753-A	C-333	TM
	-1	55535	55535-01	CS	SAMPLING DEBRIS-INCINERABLE	1/7/97	SOLID	96	44	7.4	108248-01	C-753-A	C-746-A	TM
	-1	55544	55544-01	CS	PPE/PAPER/PLASTIC	1/12/98	SOLID	95	43	7.4	109626-04	C-753-A	C-746-A	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	55545	55545-01	CS	NON-INCINERABLE SAMPLING DEBRIS	1/12/98	SOLID	91	41	7.4	108248-01	C-753-A	C-746-A	TM
	-1	55550	55550-01	CS	PPE/RAGS/PLASTIC	1/23/98	SOLID	87	39	7.4	109626-05	C-753-A	C-746-A	TM
	-1	55654	55654-01	CS	PPE	4/23/97	SOLID	60	27	7.4	109627-02	C-753-A	C-746-A	TM
	-1	55657	55657-01	CS	CUT-UP WOODEN PALLET	10/13/97	SOLID	73	33	7.4	109654-01	C-753-A	C-746-A	TM
	-1	55701	55701-01	CS	EMPTY DAMAGED 17E DRUM	11/14/96	SOLID	40	18	7.4	117267-01	PGDP	C-746-B	TM
	-1	55701	55701-02	CS	EMPTY DAMAGED 17E DRUM	11/14/96	SOLID	40	18	7.4	117267-01	PGDP	C-746-B	TM
	-1	55701	55701-03	CS	EMPTY DAMAGED 17E DRUM	11/14/96	SOLID	40	18	7.4	117267-01	PGDP	C-746-B	TM
	-1	55718	55718-01	CS	PPE/MASLIN	5/27/98	SOLID	94	43	7.4	109626-04	C-753-A	C-746-A	TM
	-1	55736	55736-01	CS	PCB PPE FROM PUMP DECON	3/20/97	SOLID	107	49	7.4	109626-05	C-753-A	C-541-A	TM
	-1	55742	55742-01	CS	OILY RAGS/GLOVES/PIGS	4/11/97	SOLID	89	40	7.4	109626-04	C-753-A	C-533	TM
	-1	55750	55750-01	CS	PPE, PLASTIC	5/27/97	SOLID	60	27	7.4	109626-03	C-753-A	C-333	TM
	-1	55765	55765-01	CS	PLYWOOD	7/21/97	SOLID	151	68	7.4	109654-01	C-753-A	C-753-A	TM
	-1	55765	55765-02	CS	PLYWOOD	7/21/97	SOLID	125	57	7.4	109654-01	C-753-A	C-753-A	TM
	-1	55771	55771-01	CS	PPE/RAGS/DRUM STRAPS(HARNESS)	9/26/97	SOLID	13	6	0.67	109626-01	C-753-A	C-733	TM
	-1	55771	55771-02	CS	RAGS/PADS	9/26/97	SOLID	11	5	0.67	120108-10	C-753-A	C-733	TM
	-1	55771	55771-03	CS	PPE/TAPE	9/26/97	SOLID	6	3	0.67	109626-05	C-753-A	C-733	TM
	-1	55778	55778-01	CS	WOOD-CUT UP PALLET	11/11/97	SOLID	78	35	7.4	109654-01	C-753-A	C-753-A	TM
	-1	55782	55782-01	CS	PPE/RAGS/PIGS/PLASTIC	11/18/97	SOLID	9	4	0.67	109626-05	C-753-A	C-733	TM
	-1	56674	56674-01	CS	PAPER/PLASTIC/PPE/ETC.	1/22/97	SOLID	93	42	7.4	109626-05	C-753-A	C-746-A	TM
	-1	56675	56675-01	CS	PAPER/PLASTIC/PPE/ETC.	1/22/97	SOLID	86	39	7.4	109626-05	C-753-A	C-746-A	TM
	-1	56677	56677-01	CS	PPE/PLASTIC/PIG MATS/TAPE	7/24/96	SOLID	105	48	7.4	109626-03	C-753-A	C-746-A	TM
	-1	56692	56692-01	CS	SAMLING DEBRIS	9/23/96	SOLID	86	39	7.4	108248-01	C-753-A	C-746-A	TM
	-1	56695	56695-01	CS	TYVEK/GLOVES/WIPES	9/26/96	SOLID	92	42	7.4	109626-03	C-753-A	C-746-A	TM
	-1	56696	56696-01	CS	CARDBOARD/PADS/PPE/GLOVES	9/26/96	SOLID	90	41	7.4	109626-05	C-753-A	C-746-A	TM
	-1	56699	56699-01	CS	PCB/NON-INCINERABLE GLASS	10/2/96	SOLID	106	48	7.4	108248-01	C-753-A	C-746-A	TM
	-1	56703	56703-01	CS	EMD SAMPLING DEBRIS: PPE/PLASTIC	10/23/96	SOLID	120	54	7.4	109627-02	C-753-A	C-746-A	TM
	-1	56710	56710-01	CS	PPE/PLASTIC/PAPER	4/2/97	SOLID	105	48	7.4	109626-05	C-753-A	C-746-A	TM
	-1	56711	56711-01	CS	PCB/INCINERABLE DEBRIS	10/21/96	SOLID	104	47	7.4	108248-01	C-753-A	C-746-A	TM
	-1	56715	56715-01	CS	SAMPLING DEBRIS	11/18/96	SOLID	87	39	7.4	108248-01	C-753-A	C-746-A	TM
	-1	56722	56722-01	CS	EMPTY PLASTIC SAMPLE BOTTLES	12/3/96	SOLID	68	31	7.4	108248-01	C-753-A	C-746-A	TM
	-1	58510	58510-01	CS	PPE	1/13/98	SOLID	65	29	7.4	109626-03	C-753-A	WAG 23	TM
	-1	59806	59806-01	CS	FLOOR SWEEP	7/22/96	SOLID	283	128	7.4	120108-06	C-753-A	C-340	TM
	-1	60752	60752-01	CS	PPE/RAGS	1/21/97	SOLID	56	25	7.4	109626-02	C-753-A	C-340	TM
	-1	61426	61426-01	CS	PPE/PADS/PLASTIC FROM ELECT.MAIN	5/15/97	SOLID	193	88	11.4	109627-01	C-753-A	C-337	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	61429	61429-01	CS	PPE/PADS/PLASTIC FROM ELECTRICAL	7/17/97	SOLID	111	50	7.4	109626-02	C-753-A	C-337	TM
	-1	61851	61851-01	CS	SAMPLING DEBRIS:PPE,PAPER,PLASTC	1/28/97	SOLID	60	27	7.4	108248-01	C-753-A	C-746-A	TM
	-1	61872	61872-01	CS	PPE/PAPER/PADS	7/20/98	SOLID	136	62	7.4	109627-01	C-753-A	C-746-B	TM
	-1	61881	61881-01	CS	EMPTY PLASTIC SAMPLE BOTTLES	3/31/97	SOLID	81	37	7.4	108248-01	C-753-A	C-753-A	TM
	-1	61890	61890-01	CS	SAMPLING DEBRIS - DECLARED NON-PCB BASED ON CHARACTERIZATION	6/2/97	SOLID	161	73	11.4		C-746-Q	C-746-A	RM
	-1	61900	61900-01	CS	SAMPLING DEBRIS: PPE/PADS/+	9/8/97	SOLID	107	49	7.4	108248-01	C-753-A	C-746-A	TM
	-1	61905	61905-01	CS	VERMICULITE AND PH STRIPS	3/29/90	SOLID	7	3	0.67	109626-02	C-753-A	C-733	TM
	-1	61928	61928-01	CS	PPE/RAGS/PLASTIC	1/30/97	SOLID	114	52	7.4	109626-02	C-753-A	C-746-A	TM
	-1	61930	61930-01	CS	PPE, PLASTIC, KIMTOWELS	3/12/97	SOLID	103	47	7.4	109627-01	C-753-A	C-746-A	TM
	-1	61931	61931-01	CS	PPE, PLASTIC, KIMWIPES, PADS	3/12/97	SOLID	108	49	7.4	109626-05	C-753-A	C-746-A	TM
	-1	61937	61937-01	CS	SAMPLING DEBRIS: PPE/PAPER	2/18/98	SOLID	108	49	7.4	108248-01	C-753-A	C-746-A	TM
	-1	61939	61939-01	CS	SAMPLING DEBRIS: PPE/GLOVES	2/19/98	SOLID	103	47	7.4	109627-01	C-753-A	C-746-A	TM
	-1	61953	61953-01	CS	SAMPLING DEBRIS:PPE/PAPER/ETC.	4/10/97	SOLID	86	39	7.4	108248-01	C-753-A	C-746-A	TM
	-1	61956	61956-01	CS	SAMPLING DEBRIS-PPE/RAGS/PAPER+	7/22/97	SOLID	94	43	7.4	108248-01	C-753-A	C-746-A	TM
	-1	61959	61959-01	CS	SAMPLING DEBRIS:PPE/PAPER/PLASTI	11/18/97	SOLID	92	42	7.4	108248-01	C-753-A	C-746-A	TM
	-1	61961	61961-01	CS	SAMPLING DEBRIS	1/13/98	SOLID	98	44	7.4	108248-01	C-753-A	C-746-B	TM
	-1	61962	61962-01	CS	PPE/PAPER/PLASTIC	7/13/98	SOLID	87	39	7.4	109627-01	C-753-A	C-746-B	TM
	-1	61963	61963-01	CS	PPE/PAPER	4/20/98	SOLID	104	47	7.4	109627-01	C-753-A	C-746-B	TM
	-1	61964	61964-01	CS	PPE/PLASTIC/GLOVES	4/29/98	SOLID	106	48	7.4	109626-04	C-753-A	C-746-A	TM
	-1	61966	61966-01	CS	PPE/RAGS/SAMPLING DEBRIS	8/10/98	SOLID	130	59	7.4	109627-02	C-753-A	C-746-A	TM
	-1	61967	61967-01	CS	PPE/PAPER/PLASTIC	8/12/98	SOLID	98	44	7.4	109626-02	C-753-A	C-746-B	TM
	-1	61969	61969-01	CS	PAPER/PLASTIC/PPE/FLAGGING	7/12/89	SOLID	86	39	7.4	109626-01	C-753-A	C-746-B	TM
	-1	61970	61970-01	CS	RAGS/GLOVES/MOP HEADS/CLOTH	5/9/88	SOLID	165	75	7.4	109626-02	C-753-A	C-746-B	TM
	-1	61972	61972-01	CS	WOOD SCRAP	5/9/88	SOLID	73	33	7.4	109654-01	C-753-A	C-746-B	TM
	-1	61973	61973-01	CS	PPE/FLAGGING/PAPER/PLASTIC	2/2/87	SOLID	121	55	7.4	109626-02	C-753-A	C-746-B	TM
	-1	61975	61975-01	CS	PAPER/PLASTIC/PPE	5/9/88	SOLID	105	48	7.4	109626-02	C-753-A	C-746-B	TM
	-1	62127	62127-01	CS	SAMPLING DEBRIS: PPE/PLASTIC	11/24/97	SOLID	90	41	7.4	108248-01	C-753-A	C-746-A	TM
	-1	62157	62157-01	CS	SAMPLING DEBRIS:EMPTY BOTTLES	7/23/98	SOLID	188	85	7.4	108248-01	C-753-A	C-746-A	TM
	-1	62482	62482-01	CS	PPE/PADS/PLASTIC/PAPER	5/15/97	SOLID	108	49	7.4	109626-05	C-753-A	C-746-A	TM
	-1	62483	62483-01	CS	PPE/RAGS/PADS	5/30/97	SOLID	125	57	7.4	109627-02	C-753-A	C-746-A	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	62492	62492-01	CS	SAMPLING DEBRIS-PPE/EMPTY BOTTLE	8/14/97	SOLID	83	38	7.4	108248-01	C-753-A	C-746-A	TM
	-1	62496	62496-01	CS	SAMPLING DEBRIS: PPE/PLASTIC	9/2/97	SOLID	93	42	7.4	108248-01	C-753-A	C-752-A	TM
	-1	62503	62503-01	CS	SAMPLING DEBRIS:PPE/PAPER/PLASTI	5/20/97	SOLID	104	47	7.4	108248-01	C-753-A	C-746-A	TM
	-1	62520	62520-01	CS	COLIWASAS/BOTTLES	5/20/98	SOLID	206	93	7.4	108248-01	C-753-A	C-746-A	TM
	-1	62521	62521-01	CS	PPE/GLOVES/PAPER	5/20/98	SOLID	114	52	7.4	109626-04	C-753-A	C-746-A	TM
	-1	62534	62534-01	CS	PPE/PAPER/PADS	5/11/98	SOLID	94	43	7.4	109627-01	C-753-A	C-746-B	TM
	-1	62535	62535-01	CS	PPE/RAGS	5/27/98	SOLID	104	47	7.4	109627-02	C-753-A	C-746-B	TM
	-1	62551	62551-01	CS	SAMPLING DEBRIS:GLASS,NON-INCIN	2/3/98	SOLID	86	39	7.4	108248-01	C-753-A	C-746-A	TM
	-1	62573	62573-01	CS	PPE/PLASTIC/PADS/PAPER	7/14/98	SOLID	95	43	7.4	109627-01	C-753-A	C-746-A	TM
	-1	62574	62574-01	CS	NONINCINERABLE SAMPLING DEBRIS	7/14/98	SOLID	114	52	7.4	108248-01	C-753-A	C-746-A	TM
	-1	62599	62599-01	CS	PPE/PAPER/PLASTIC	8/31/98	SOLID	111	50	7.4	109626-01	C-753-A	C-746-B	TM
	-1	92058	CAS-00170	CS	MISCELLANEOUS PCB CONTAMINATED SOLIDS	5/23/86	SOLID	200	91	7.4	109626-01	C-753-A	C-746-M	TM
	-1	92059	CAS-00271	CS	MISCELLANEOUS	5/15/84	SOLID	200	91	7.4	109626-01	C-753-A	C-409	TM
	-1	92060	CAS-00501	CS	MISCELLANEOUS	7/29/83	SOLID	200	91	7.4	109626-01	C-753-A	C-746-M	TM
	-1	92054	CAS-02263	CS	MISCELLANEOUS	2/25/85	SOLID	634	288	11.4	109626-02	C-753-A	C-333-A	TM
	-1	92055	CAS-02294	CS	HYDRAULIC CLEANUP	12/11/84	SOLID	184	83	7.4	109626-01	C-753-A	C-340	TM
	-1	4411	CAS-02508	CS	MISCELLANEOUS	2/11/87	SOLID	215	98	7.4	109627-01	C-753-A	C-333	TM
	-1	4411	CAS-02519	CS	MISCELLANEOUS	2/11/87	SOLID	364	165	7.4	109626-04	C-753-A	C-333	TM
	-1	92050	CAS-02546	CS	PCB SOLID WASTE	2/25/87	SOLID	165	75	7.4	109626-02	C-753-A	C-746-M	TM
	-1	92051	CAS-02550	CS	FLOORSWEEP, RAGS FROM PCB CLEANUP	6/7/85	SOLID	200	91	7.4	120108-10	C-753-A	C-340	TM
	-1	1566	CAS-02655	CS	MISCELLANEOUS; MISCELLANEOUS PCB AND URANIUM CONTAMINATED ITEMS	8/12/86	SOLID	647	293	7.4	109626-01	C-753-A	C-337-A	TM
	-1	1569	CAS-02656	CS	MISCELLANEOUS	9/29/86	SOLID	208	94	7.4	109626-01	C-753-A	C-337-A	TM
	-1	4411	CAS-03678	CS	MISCELLANEOUS	2/11/87	SOLID	485	220	11.4	109627-01	C-753-A	C-333	TM
	-1	6739	CAS-03691	CS	RAGS, PIGS, CONCRETE/PIGS PER ES	3/27/91	SOLID	281	127	7.4	120108-10	C-753-A	C-337	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	4769	CAS-03695	CS	PCB AND URANIUM CONTAMINATED WASTE, C-746-M COLLECTION CONTAINER	8/4/87	SOLID	370	168	7.4	109626-01	C-753-A	C-746-M	TM
	-1	4880	CAS-03735	CS	URANIUM CONTAMINATED FILTER CAKE	9/9/87	SOLID	453	205	7.4	121312-03	C-746-Q	C-400	RTM
	-1	4880	CAS-03736	CS	URANIUM CONTAMINATED FILTER CAKE	9/9/87	SOLID	387	176	7.4	121312-03	C-746-Q	C-400	RTM
	-1	4880	CAS-03737	CS	URANIUM CONTAMINATED FILTER CAKE	9/9/87	SOLID	507	230	7.4	121312-03	C-746-Q	C-400	RTM
	-1	4572	CAS-03776	CS	RAGS/BUCKETS/GLASS BOTTLES/PPE/PAPER/GLOVES/SC RUB BRUSHES/TUBBING/DRYED SILICON/ZORBALL/CONCRETE DUST	4/21/88	SOLID	100	45	7.4	120108-10	C-753-A	C-746-M	TM
	-1	22004	CAS-06158	CS	PLASTIC FLAGS/CARDBOARD	3/21/89	SOLID	123	56	7.4	109626-01	C-753-A	C-746-A	TM
	-1	4581	CAS-06161	CS	EMPTY PLASTIC SAMPLE CONTAINERS	1/18/88	SOLID	150	68	7.4	108248-01	C-753-A	C-710	TM
	-1	4590	CAS-06164	CS	SAMPLE JARS/TOWELS/BAGS/RAGS	3/24/88	SOLID	110	50	7.4	108248-01	C-753-A	C-409	TM
	-1	92044	CAS-06171	CS	MISC SOLIDS	8/7/86	SOLID	403	183	7.4	109626-01	C-753-A	C-337-A	TM
	-1	5289	CAS-06172	CS	OILY ZORBALL	4/27/88	SOLID	329	149	7.4	120108-09	C-753-A	C-331	TM
	-1	4899	CAS-06173	CS	EMPTY DRUM	5/9/88	SOLID	62	28	7.4	117267-01	PGDP	C-400	TM
	-1	6278	CAS-06190	CS	WOOD PALLET	5/17/88	SOLID	154	70	7.4	109654-01	C-753-A	C-333	TM
	-1	6605	CAS-06208	CS	FLOORSWEEP	5/10/88	SOLID	240	109	7.4	120108-09	C-753-A	C-331	TM
	-1	6606	CAS-06213	CS	FLOOR SWEEP	5/10/88	SOLID	300	136	11.4	120108-07	C-753-A	C-333	TM
	-1	6610	CAS-06224	CS	FLOOR SWEEP	5/10/88	SOLID	216	98	7.4	120108-09	C-753-A	C-333	TM
	-1	6610	CAS-06228	CS	FLOORSWEEP	5/10/88	SOLID	183	83	7.4	120108-09	C-753-A	C-333	TM
	-1	6611	CAS-06248	CS	FLOORSWEEP	5/10/88	SOLID	211	96	7.4	120108-09	C-753-A	C-335	TM
	-1	6613	CAS-06253	CS	FLOORSWEEP	5/10/88	SOLID	224	102	7.4	120108-09	C-753-A	C-310	TM
	-1	6614	CAS-06259	CS	FLOORSWEEP	5/10/88	SOLID	247	112	7.4	120108-09	C-753-A	C-337	TM
	-1	6615	CAS-06280	CS	FLOORSWEEP	6/13/88	SOLID	221	100	7.4	120108-09	C-753-A	C-333	TM
	-1	5715	CAS-06315	CS	TRASH	12/25/88	SOLID	148	67	7.4	109626-03	C-753-A	C-333	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	1924	CAS-06316	CS	TRASH	12/23/88	SOLID	216	98	7.4	109626-03	C-753-A	C-333	TM
	-1	6616	CAS-06341	CS	FLOOR SWEEP	6/23/88	SOLID	254	115	7.4	120108-09	C-753-A	C-331	TM
	-1	6616	CAS-06344	CS	FLOOR SWEEP	6/23/88	SOLID	238	108	7.4	120108-09	C-753-A	C-331	TM
	-1	6620	CAS-06373	CS	FLOORSWEEP	8/30/88	SOLID	222	101	7.4	120108-09	C-753-A	C-331	TM
	-1	92033	CAS-06381	CS	SOLID WASTE MISCELLANEOUS	10/20/88	SOLID	439	199	7.4	109627-01	C-753-A	C-333	TM
	-1	6618	CAS-07992	CS	FLOORSWEEP	9/1/88	SOLID	265	120	7.4	120108-09	C-753-A	C-337	TM
	-1	6619	CAS-08318	CS	FLOORSWEEP	10/18/88	SOLID	336	152	11.4	120108-10	C-753-A	C-310	TM
	-1	6619	CAS-08319	CS	ZORBALL	10/18/88	SOLID	287	130	7.4	120108-10	C-753-A	C-310	TM
	-1	7353	CAS-08324	CS	ZORBALL	9/16/88	SOLID	321	146	7.4	120108-07	C-753-A	C-331	TM
	-1	6683	CAS-08379	CS	CONT. COVERALLS AND WORK SHOES	3/27/89	SOLID	88	40	7.4	109626-05	C-753-A	C-335	TM
	-1	4816	CAS-08418	CS	U-CONT COLLECTION DRUM	5/4/89	SOLID	136	62	7.4	109626-01	C-753-A	C-746-M	TM
	-1	7731	CAS-08449	CS	FLOORSWEEP	2/1/89	SOLID	253	115	7.4	120108-09	C-753-A	C-335	TM
	-1	7731	CAS-08450	CS	FLOORSWEEP	2/1/89	SOLID	263	119	7.4	120108-09	C-753-A	C-335	TM
	-1	7732	CAS-08451	CS	FLOOR SWEEP	2/3/89	SOLID	200	91	7.4	120108-09	C-753-A	C-331	TM
	-1	7732	CAS-08452	CS	FLOORSWEEP	2/3/89	SOLID	219	99	7.4	120108-09	C-753-A	C-331	TM
	-1	7733	CAS-08455	CS	FLOORSWEEP	3/3/89	SOLID	199	90	7.4	120108-09	C-753-A	C-333	TM
	-1	7733	CAS-08457	CS	FLOOR SWEEP	3/3/89	SOLID	296	134	11.4	120108-07	C-753-A	C-333	TM
	-1	5324	CAS-08525	CS	TYVEKS/TRASH/SCRAP METAL	7/2/89	SOLID	107	49	7.4	109626-05	C-753-A	C-331	TM
	-1	5324	CAS-08526	CS	TRASH	7/2/89	SOLID	176	80	7.4	109626-04	C-753-A	C-331	TM
	-1	5324	CAS-08527	CS	TRASH/TYVEKS/SCRAP METAL	7/2/89	SOLID	135	61	7.4	109626-02	C-753-A	C-331	TM
	-1	5324	CAS-08528	CS	TRASH/TYVEKS/SCRAP METAL	7/2/89	SOLID	106	48	7.4	109627-01	C-753-A	C-331	TM
	-1	5324	CAS-08529	CS	TRASH/SCRAP/IRON	7/2/89	SOLID	177	80	7.4	109627-01	C-753-A	C-331	TM
	-1	5324	CAS-08530	CS	TYVEKS/RAGS/SCRAP/IRON	7/2/89	SOLID	118	54	7.4	109626-04	C-753-A	C-331	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	5324	CAS-08531	CS	TRASH/TYVEKS/SHEET METAL	7/2/89	SOLID	131	59	7.4	109626-04	C-753-A	C-331	TM
	-1	5324	CAS-08532	CS	TYVEKS/TRASH/SCRAP IRON	7/2/89	SOLID	142	64	7.4	109626-05	C-753-A	C-331	TM
	-1	5324	CAS-08533	CS	TRASH/TYVEKS/SCRAP METAL	7/2/89	SOLID	122	55	7.4	109627-02	C-753-A	C-331	TM
	-1	5324	CAS-08534	CS	TRASH/TYVEKS/SCRAP METAL	7/2/89	SOLID	115	52	7.4	109627-01	C-753-A	C-331	TM
	-1	7729	CAS-08573	CS	FLOOR SWEEP	1/19/89	SOLID	225	102	7.4	120108-09	C-753-A	C-333	TM
	-1	7735	CAS-08575	CS	FLOORSWEEP	3/3/89	SOLID	187	85	7.4	120108-09	C-753-A	C-335	TM
	-1	7739	CAS-08582	CS	FLOORSWEEP	3/11/89	SOLID	198	90	7.4	120108-09	C-753-A	C-335	TM
	-1	7739	CAS-08583	CS	FLOORSWEEP	3/11/89	SOLID	144	65	7.4	120108-09	C-753-A	C-335	TM
	-1	9283	CAS-08588	CS	TRASH	6/25/90	SOLID	304	138	11.4	109626-01	C-753-A	C-337	TM
	-1	9283	CAS-08590	CS	TRASH; SOLID ASKAREL WASTE	6/25/90	SOLID	97	44	7.4	109626-01	C-753-A	C-337	TM
	-1	8395	CAS-08678	CS	LAB WASTE	2/14/91	SOLID	116	53	7.4	109631-01	C-753-A	C-710	TM
	-1	7072	CAS-08697	CS	DEBRIS/PLASTIC/RAGS	10/19/89	SOLID	88	40	7.4	109626-04	C-753-A	C-331	TM
	-1	9245	CAS-08748	CS	ZORBALL	11/1/89	SOLID	152	69	7.4	120108-07	C-753-A	C-337	TM
	-1	5391	CAS-08759	CS	ABSORBENT PADS	5/10/88	SOLID	164	74	7.4	120108-07	C-753-A	C-331	TM
	-1	5363	CAS-09466	CS	TRASH/DEBRIS	11/7/89	SOLID	256	116	7.4	109627-01	C-753-A	C-331	TM
	-1	5363	CAS-09467	CS	PAPER/PLASTIC	4/27/88	SOLID	91	41	7.4	109626-02	C-753-A	C-331	TM
	-1	7496	CAS-09469	CS	TRASH	11/13/89	SOLID	155	70	7.4	109626-01	C-753-A	C-331	TM
	-1	7496	CAS-09470	CS	TRASH	11/13/89	SOLID	172	78	7.4	109626-01	C-753-A	C-331	TM
	-1	10992	CAS-09474	CS	FLOORSWEEP	1/3/90	SOLID	266	121	7.4	120108-09	C-753-A	C-331	TM
	-1	10979	CAS-09492	CS	FLOOR SWEEP	10/13/89	SOLID	238	108	7.4	120108-09	C-753-A	C-331	TM
	-1	10979	CAS-09494	CS	FLOOR SWEEP	10/13/89	SOLID	243	110	7.4	120108-09	C-753-A	C-331	TM
	-1	10979	CAS-09496	CS	ZORBALL	10/13/89	SOLID	234	106	7.4	120108-09	C-753-A	C-331	TM
	-1	10979	CAS-09499	CS	FLOORSWEEP	10/13/89	SOLID	215	98	7.4	120108-09	C-753-A	C-331	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	2135	CAS-09506	CS	ZORBALL	11/4/89	SOLID	464	210	11.4	120108-09	C-753-A	C-335	TM
	-1	10717	CAS-09511	CS	ZORBALL	11/5/89	SOLID	598	271	11.4	120108-07	C-753-A	C-333	TM
	-1	10986	CAS-09515	CS	FLOORSWEEP	11/2/89	SOLID	227	103	7.4	120108-09	C-753-A	C-333	TM
	-1	10986	CAS-09516	CS	FLOORSWEEP	11/2/89	SOLID	257	117	7.4	120108-09	C-753-A	C-333	TM
	-1	5649	CAS-09531	CS	RAGS	11/21/89	SOLID	125	57	7.4	109626-03	C-753-A	C-333	TM
	-1	10489	CAS-09536	CS	TRASH	12/8/89	SOLID	139	63	7.4	109626-05	C-753-A	C-333	TM
	-1	10489	CAS-09537	CS	TRASH	12/8/89	SOLID	135	61	7.4	109626-04	C-753-A	C-333	TM
	-1	10489	CAS-09538	CS	TRASH	12/8/89	SOLID	137	62	7.4	109626-03	C-753-A	C-333	TM
	-1	10489	CAS-09540	CS	TRASH	12/8/89	SOLID	123	56	7.4	109627-02	C-753-A	C-333	TM
	-1	10489	CAS-09541	CS	TRASH	12/8/89	SOLID	138	63	7.4	109626-05	C-753-A	C-333	TM
	-1	10489	CAS-09542	CS	TRASH	12/8/89	SOLID	126	57	7.4	109626-04	C-753-A	C-333	TM
	-1	10489	CAS-09543	CS	TRASH	12/8/89	SOLID	132	60	7.4	109626-05	C-753-A	C-333	TM
	-1	10993	CAS-09550	CS	FLOORSWEEP	1/3/90	SOLID	212	96	7.4	120108-09	C-753-A	C-333	TM
	-1	10993	CAS-09554	CS	FLOORSWEEP	1/3/90	SOLID	228	103	7.4	120108-09	C-753-A	C-333	TM
	-1	10993	CAS-09555	CS	FLOORSWEEP	1/3/90	SOLID	217	98	7.4	120108-09	C-753-A	C-333	TM
	-1	5644	CAS-09563	CS	OILY RAGS	10/20/89	SOLID	112	51	7.4	109626-04	C-753-A	C-333	TM
	-1	10984	CAS-09576	CS	FLOORSWEEP	10/26/89	SOLID	303	137	7.4	120108-09	C-753-A	C-335	TM
	-1	10984	CAS-09580	CS	FLOORSWEEP	10/26/89	SOLID	302	137	7.4	120108-09	C-753-A	C-335	TM
	-1	2143	CAS-09589	CS	ZORBALL	12/15/89	SOLID	444	201	7.4	120108-07	C-753-A	C-335	TM
	-1	10982	CAS-09596	CS	FLOORSWEEP	10/31/89	SOLID	212	96	7.4	120108-09	C-753-A	C-335	TM
	-1	10982	CAS-09597	CS	FLOORSWEEP	10/31/89	SOLID	243	110	7.4	120108-09	C-753-A	C-335	TM
	-1	5357	CAS-09605	CS	FLOORSWEEP	11/4/89	SOLID	173	78	7.4	120108-09	C-753-A	C-310	TM
	-1	7056	CAS-09608	CS	RAGS	10/18/88	SOLID	108	49	7.4	109626-02	C-753-A	C-310	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	10990	CAS-09620	CS	DUST MOPS	11/7/89	SOLID	151	68	7.4	109626-02	C-753-A	C-337	TM
	-1	10990	CAS-09621	CS	DUST MOPS	11/7/89	SOLID	116	53	7.4	109626-04	C-753-A	C-337	TM
	-1	9256	CAS-09640	CS	TACKY MATS	10/31/89	SOLID	105	48	7.4	109627-01	C-753-A	C-337	TM
	-1	5539	CAS-09641	CS	TACKY MATS	12/5/89	SOLID	132	60	7.4	109626-02	C-753-A	C-337-A	TM
	-1	9288	CAS-09646	CS	OILY ZORBALL/PADS/TRASH	12/31/89	SOLID	130	59	7.4	109627-02	C-753-A	C-337	TM
	-1	9288	CAS-09651	CS	TRASH PER SAMPLING	12/31/89	SOLID	166	75	7.4	109626-03	C-753-A	C-337	TM
	-1	9288	CAS-09652	CS	TRASH PER SAMPLING	12/31/89	SOLID	166	75	7.4	109627-02	C-753-A	C-337	TM
	-1	9288	CAS-09667	CS	OILY ZORBALL/PADS/TRASH	12/31/89	SOLID	215	98	11.4	120108-08	C-753-A	C-337	TM
	-1	9257	CAS-09692	CS	TRASH	10/31/89	SOLID	113	51	7.4	109626-05	C-753-A	C-337	TM
	-1	11504	CAS-09702	CS	DUST MOPS	2/2/90	SOLID	105	48	7.4	109627-02	C-753-A	C-333	TM
	-1	11502	CAS-09703	CS	FLOORSWEEP	2/2/90	SOLID	270	122	11.4	120108-09	C-753-A	C-340	TM
	-1	11502	CAS-09704	CS	FLOORSWEEP	2/2/90	SOLID	253	115	11.4	120108-10	C-753-A	C-340	TM
	-1	11506	CAS-09705	CS	USED DUST MOPS	11/27/90	SOLID	118	54	7.4	120108-07	C-753-A	C-333	TM
	-1	8548	CAS-09708	CS	RAGS/GLOVES	2/7/90	SOLID	117	53	7.4	109626-01	C-753-A	C-720	TM
	-1	9229	CAS-09710	CS	TACKY MATS	9/25/89	SOLID	74	34	7.4	109627-02	C-753-A	C-337	TM
	-1	9480	CAS-09727	CS	PREVIOUSLY CONTAINED PADS?	7/25/89	SOLID	136	62	11.4	120108-07	C-753-A	C-335	TM
	-1	9480	CAS-09728	CS	PADS	7/25/89	SOLID	282	128	7.4	120108-08	C-753-A	C-335	TM
	-1	9480	CAS-09729	CS	PAPER/PLASTIC/ETC.(PPE)	5/10/88	SOLID	75	34	7.4	109626-02	C-753-A	C-335	TM
	-1	8415	CAS-09737	CS	OIL CONTAMINATED WOOD	8/16/89	SOLID	125	57	7.4	109654-01	C-753-A	C-420	TM
	-1	2022	CAS-09738	CS	DEBRIS	9/21/89	SOLID	305	138	7.4	109626-04	C-753-A	C-410	TM
	-1	2021	CAS-09739	CS	DEBRIS	9/21/89	SOLID	295	134	7.4	109627-02	C-753-A	C-410	TM
	-1	2021	CAS-09741	CS	DEBRIS	9/21/89	SOLID	133	60	7.4	109626-04	C-753-A	C-410	TM
	-1	2021	CAS-09742	CS	PCB URANIUM CONTAMINATED WASTE, DEBRIS	9/21/89	SOLID	448	203	7.4	109626-01	C-753-A	C-410	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	92041	CAS-09747	CS	PPE/PAPER/WOOD/METAL NUTS AND BOLTS; DEBRIS / TRASH	3/23/90	SOLID	85	39	7.4	109626-01	C-753-A	C-746-A	TM
	-1	10234	CAS-09752	CS	ZORBALL/PADS PER RFD	2/8/90	SOLID	367	166	7.4	109627-01	C-753-A	C-337	TM
	-1	10234	CAS-09763	CS	PAPER/PPE/PLASTIC	3/3/89	SOLID	85	39	7.4	109626-02	C-753-A	C-337	TM
	-1	9286	CAS-09771	CS	TACKY MATS	11/29/89	SOLID	95	43	7.4	109626-05	C-753-A	C-337	TM
	-1	9553	CAS-09774	CS	TRASH - LANDFILL DUMP SAMPLES	9/20/89	SOLID	85	39	7.4	109626-01	C-753-A	C-746-S	TM
	-1	10997	CAS-09778	CS	ZORBALL / FLOORSWEEP	1/5/90	SOLID	248	112	7.4	120108-08	C-753-A	C-750	TM
	-1	9563	CAS-09781	CS	TRASH	11/29/89	SOLID	121	55	7.4	109626-05	C-753-A	C-301	TM
	-1	9407	CAS-09784	CS	RAGS/PLASTIC; CONTAMINATED TRASH	9/21/89	SOLID	145	66	7.4	109626-01	C-753-A	C-400	TM
	-1	4906	CAS-09785	CS	AUTOCLAVE SCRAP	11/9/89	SOLID	385	175	7.4	109667-03	C-746-A	C-400	TM
	-1	4906	CAS-09786	CS	AUTOCLAVE SCRAP	11/9/89	SOLID	507	230	7.4	109667-01	C-746-A	C-400	TM
	-1	4906	CAS-09787	CS	AUTOCLAVE SCRAP	11/9/89	SOLID	319	145	7.4	109667-01	C-746-A	C-400	TM
	-1	4907	CAS-09800	CS	PCB SOLIDS, TRASH	11/9/89	SOLID	205	93	7.4	109626-01	C-753-A	C-400	TM
	-1	4907	CAS-09801	CS	TRASH	11/9/89	SOLID	255	116	7.4	109626-01	C-753-A	C-400	TM
	-1	4907	CAS-09802	CS	TRASH	11/9/89	SOLID	163	74	7.4	109626-01	C-753-A	C-400	TM
	-1	4907	CAS-09803	CS	TRASH	11/9/89	SOLID	313	142	7.4	109626-01	C-753-A	C-400	TM
	-1	4905	CAS-09804	CS	PCB AND URANIUM CONTAMINATED PROCESS MOPS	11/9/89	SOLID	105	48	7.4	109626-02	C-753-A	C-400	TM
	-1	4905	CAS-09805	CS	PROCESS MOPS	11/9/89	SOLID	104	47	7.4	109626-02	C-753-A	C-400	TM
	-1	4905	CAS-09806	CS	PCB AND URANIUM CONTAMINATED PROCESS MOPS	11/9/89	SOLID	121	55	7.4	109626-02	C-753-A	C-400	TM
	-1	9842	CAS-09821	CS	DEBRIS/PLASTIC/DIRT	10/31/89	SOLID	177	80	7.4	109626-01	C-753-A	C-728	TM
	-1	9842	CAS-09822	CS	DEBRIS/PLASTIC/DIRT	10/31/89	SOLID	121	55	7.4	109626-01	C-753-A	C-728	TM
	-1	9842	CAS-09823	CS	DEBRIS/PLASTIC/DIRT	10/31/89	SOLID	201	91	7.4	109626-01	C-753-A	C-728	TM
	-1	9842	CAS-09824	CS	DEBRIS/PLASTIC/DIRT	10/31/89	SOLID	81	37	7.4	109627-01	C-753-A	C-728	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	9842	CAS-09825	CS	DEBRIS/PLASTIC/DIRT	10/31/89	SOLID	145	66	7.4	109626-01	C-753-A	C-728	TM
	-1	6294	CAS-09827	CS	TRASH	7/27/89	SOLID	76	34	7.4	109626-01	C-753-A	C-746-S	TM
	-1	6294	CAS-09828	CS	TRASH - LANDFILL SAMPLES	7/27/89	SOLID	85	39	7.4	109626-01	C-753-A	C-746-S	TM
	-1	7160	CAS-09829	CS	TRASH (PLASTIC)	2/6/90	SOLID	82	37	7.4	109626-01	C-753-A	C-746-B	TM
	-1	7160	CAS-09830	CS	TRASH (PLASTIC)	2/6/90	SOLID	135	61	7.4	109626-01	C-753-A	C-746-B	TM
	-1	7160	CAS-09831	CS	TRASH (PLASTIC)	2/6/90	SOLID	94	43	7.4	109626-01	C-753-A	C-746-B	TM
	-1	7160	CAS-09833	CS	TRASH (PLASTIC)	2/6/90	SOLID	85	39	7.4	109626-01	C-753-A	C-746-B	TM
	-1	7160	CAS-09834	CS	TRASH (PLASTIC)	2/6/90	SOLID	98	44	7.4	109626-01	C-753-A	C-746-B	TM
	-1	7160	CAS-09835	CS	TRASH (PLASTIC)PER RFD	2/6/90	SOLID	231	105	7.4	109626-01	C-753-A	C-746-B	TM
	-1	4821	CAS-09836	CS	AUTOCLAVE PIPE	2/6/90	SOLID	254	115	7.4	109667-02	C-746-A	C-746-B	TM
	-1	4821	CAS-09837	CS	AUTOCLAVE PIPE	2/6/90	SOLID	381	173	7.4	109667-04	C-746-A	C-746-B	TM
	-1	4821	CAS-09838	CS	AUTOCLAVE PIPE	2/6/90	SOLID	432	196	7.4	109667-03	C-746-A	C-746-B	TM
	-1	4821	CAS-09839	CS	AUTOCLAVE PIPE	2/6/90	SOLID	239	108	7.4	109667-02	C-746-A	C-746-B	TM
	-1	4821	CAS-09840	CS	AUTOCLAVE PIPE	2/6/90	SOLID	308	140	7.4	109667-02	C-746-A	C-746-B	TM
	-1	4821	CAS-09841	CS	AUTOCLAVE PIPE	2/6/90	SOLID	321	146	7.4	109667-02	C-746-A	C-746-B	TM
	-1	4821	CAS-09842	CS	AUTOCLAVE PIPE	2/6/90	SOLID	202	92	7.4	109667-02	C-746-A	C-746-B	TM
	-1	10998	CAS-09851	CS	FLOORSWEEP	2/1/90	SOLID	118	54	7.4	120108-09	C-753-A	C-337	TM
	-1	2137	CAS-09878	CS	PIGS/PADS/RAGS/ETC.	3/29/89	SOLID	166	75	11.4	120108-09	C-753-A	C-335	TM
	-1	9837	CAS-09879	CS	TRASH	9/22/89	SOLID	104	47	7.4	109626-01	C-753-A	C-746-Q	TM
	-1	9837	CAS-09880	CS	TRASH	9/22/89	SOLID	130	59	7.4	109626-01	C-753-A	C-746-Q	TM
	-1	7497	CAS-09893	CS	TACKY MATS	12/15/89	SOLID	150	68	7.4	109626-02	C-753-A	C-331	TM
	-1	4292	CAS-09943	CS	GREASE/MOTOR RESIDUE	4/10/90	SOLID	131	59	7.4	109626-01	C-753-A	C-720	TM
	-1	4916	CAS-10014	CS	PLASTIC/RAGS; PCB SOLIDS, TRASH, PLASTIC, RAGS	2/14/90	SOLID	67	30	7.4	109626-01	C-753-A	C-400	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	4916	CAS-10015	CS	PLASTIC/TYVEK/RAGS/RUBBER GLOVES/< 1 LB METAL/ZORBALI	2/14/90	SOLID	99	45	7.4	109626-02	C-753-A	C-400	TM
	-1	4915	CAS-10016	CS	TYVEKS, RAGS, PLASTIC	2/14/90	SOLID	102	46	7.4	109626-05	C-753-A	C-400	TM
	-1	4915	CAS-10017	CS	TYVEKS, RAGS, PLASTIC	2/14/90	SOLID	103	47	7.4	108248-01	C-753-A	C-400	TM
	-1	4915	CAS-10018	CS	TYVEKS, RAGS, PLASTIC	2/14/90	SOLID	104	47	7.4	109626-05	C-753-A	C-400	TM
	-1	4915	CAS-10019	CS	TYVEKS, RAGS, PLASTIC	2/14/90	SOLID	188	85	11.4	108248-01	C-753-A	C-400	TM
	-1	4915	CAS-10020	CS	TYVEKS, RAGS, PLASTIC	2/14/90	SOLID	96	44	7.4	108248-01	C-753-A	C-400	TM
	-1	4915	CAS-10023	CS	TYVEKS, RAGS, PLASTIC/ZORBALL/PPE/PADS/PIGS	2/14/90	SOLID	123	56	7.4	109626-01	C-753-A	C-400	TM
	-1	4915	CAS-10024	CS	TYVEKS, RAGS, PLASTIC	2/14/90	SOLID	134	61	7.4	109626-05	C-753-A	C-400	TM
	-1	10247	CAS-10039	CS	TRASH	2/18/90	SOLID	101	46	7.4	109627-02	C-753-A	C-337	TM
	-1	11601	CAS-10040	CS	TACKY MATS	2/23/90	SOLID	82	37	7.4	109627-02	C-753-A	C-335	TM
	-1	11505	CAS-10063	CS	FLOOR SWEEP	3/1/90	SOLID	229	104	7.4	120108-09	C-753-A	C-333	TM
	-1	11576	CAS-10078	CS	FLOORSWEEP	3/12/90	SOLID	269	122	7.4	120108-09	C-753-A	C-335	TM
	-1	12702	CAS-10087	CS	ZORBALL, GLOVES/SHOE COVERS/RAGS	3/15/90	SOLID	113	51	7.4	109626-05	C-753-A	C-333	TM
	-1	9280	CAS-10094	CS	RAGS, GLOVES	2/20/90	SOLID	118	54	7.4	109627-01	C-753-A	C-337	TM
	-1	9280	CAS-10095	CS	RAGS, GLOVES	2/20/90	SOLID	172	78	7.4	109626-04	C-753-A	C-337	TM
	-1	8480	CAS-10096	CS	PAPER, RAGS, GLASS BOTTLES	3/26/90	SOLID	292	132	11.4	109626-01	C-753-A	C-540	TM
	-1	10259	CAS-10100	CS	PADS/PIGS	11/1/89	SOLID	104	47	7.4	120108-07	C-753-A	C-337	TM
	-1	5380	CAS-10119	CS	DEBRIS	2/20/90	SOLID	243	110	7.4	109627-02	C-753-A	C-315	TM
	-1	4996	CAS-10121	CS	WOOD/PLASTIC/CARDBOARD	2/28/90	SOLID	107	49	7.4	109626-04	C-753-A	C-333	TM
	-1	9505	CAS-10145	CS	OILY ZORBALL	8/9/90	SOLID	153	69	7.4	120108-08	C-753-A	C-724-D	TM
	-1	10812	CAS-10165	CS	ZORBALL	5/25/90	SOLID	362	164	7.4	120108-07	C-753-A	C-333	TM
	-1	11529	CAS-10173	CS	FLOOR SWEEP	6/15/90	SOLID	227	103	7.4	120108-09	C-753-A	C-333	TM
	-1	11530	CAS-10180	CS	DUST MOPS	4/17/90	SOLID	150	68	7.4	109626-05	C-753-A	C-333	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	10795	CAS-10190	CS	TYVEKS, GLOVES, SUITS, RAGS	5/25/90	SOLID	150	68	7.4	109626-04	C-753-A	C-333	TM
	-1	10795	CAS-10191	CS	TYVEKS, GLOVES, SUITS, RAGS	5/25/90	SOLID	158	72	7.4	109627-02	C-753-A	C-333	TM
	-1	10795	CAS-10192	CS	TYVEKS, GLOVES, SUITS, RAGS	5/25/90	SOLID	171	78	7.4	109627-02	C-753-A	C-333	TM
	-1	10795	CAS-10198	CS	TYVEKS, GLOVES, SUITS, RAGS	5/25/90	SOLID	108	49	7.4	109626-03	C-753-A	C-333	TM
	-1	10795	CAS-10200	CS	TYVEKS, GLOVES, SUITS, RAGS	5/25/90	SOLID	155	70	7.4	109626-03	C-753-A	C-333	TM
	-1	10795	CAS-10201	CS	TYVEKS, GLOVES, SUITS, RAGS	5/25/90	SOLID	130	59	7.4	109627-01	C-753-A	C-333	TM
	-1	10795	CAS-10203	CS	TYVEKS, GLOVES, SUITS, RAGS	5/25/90	SOLID	102	46	7.4	109627-02	C-753-A	C-333	TM
	-1	10794	CAS-10232	CS	PADS/PIGS/PILLOWS/ETC.	5/10/88	SOLID	110	50	7.4	120108-09	C-753-A	C-333	TM
	-1	11526	CAS-10253	CS	FLOOR SWEEP	4/17/90	SOLID	260	118	7.4	120108-09	C-753-A	C-331	TM
	-1	11511	CAS-10262	CS	FLOOR SWEEP	6/5/90	SOLID	227	103	7.4	120108-09	C-753-A	C-331	TM
	-1	11511	CAS-10269	CS	FLOORSWEEP	6/4/90	SOLID	211	96	7.4	120108-09	C-753-A	C-331	TM
	-1	15608	CAS-10280	CS	WOOD	6/22/90	SOLID	150	68	7.4	109654-01	C-753-A	C-333	TM
	-1	15605	CAS-10286	CS	TRASH	5/23/90	SOLID	107	49	7.4	109626-05	C-753-A	C-331	TM
	-1	15605	CAS-10287	CS	TRASH	5/23/90	SOLID	85	39	7.4	109627-02	C-753-A	C-331	TM
	-1	11507	CAS-10295	CS	FLOOR SWEEP	3/25/90	SOLID	236	107	7.4	120108-09	C-753-A	C-331	TM
	-1	10288	CAS-10319	CS	PADS/RAGS	11/1/89	SOLID	180	82	11.4	120108-07	C-753-A	C-337	TM
	-1	8163	CAS-10341	CS	CLOTH, PAPER, PLASTIC	6/20/90	SOLID	92	42	7.4	109627-02	C-753-A	C-337	TM
	-1	8163	CAS-10342	CS	CLOTH, PAPER, PLASTIC	6/20/90	SOLID	108	49	7.4	109626-04	C-753-A	C-337	TM
	-1	8163	CAS-10343	CS	CLOTH, PAPER, PLASTIC	6/20/90	SOLID	97	44	7.4	109626-05	C-753-A	C-337	TM
	-1	8163	CAS-10344	CS	CLOTH, PAPER, PLASTIC	6/20/90	SOLID	116	53	7.4	109627-02	C-753-A	C-337	TM
	-1	8163	CAS-10345	CS	CLOTH, PAPER, PLASTIC	6/20/90	SOLID	143	65	7.4	109627-02	C-753-A	C-337	TM
	-1	8163	CAS-10346	CS	CLOTH, PAPER, PLASTIC	6/20/90	SOLID	140	64	7.4	109627-02	C-753-A	C-337	TM
	-1	9281	CAS-10350	CS	TRASH	6/21/90	SOLID	145	66	7.4	109626-01	C-753-A	C-337	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	9282	CAS-10351	CS	TRASH	6/25/90	SOLID	150	68	7.4	109627-02	C-753-A	C-337	TM
	-1	9282	CAS-10352	CS	TRASH	6/25/90	SOLID	107	49	7.4	109627-01	C-753-A	C-337	TM
	-1	9282	CAS-10353	CS	TRASH	6/25/90	SOLID	187	85	7.4	109627-01	C-753-A	C-337	TM
	-1	9282	CAS-10354	CS	TRASH	6/25/90	SOLID	122	55	7.4	109627-01	C-753-A	C-337	TM
	-1	9282	CAS-10355	CS	TRASH	6/25/90	SOLID	207	94	7.4	109627-02	C-753-A	C-337	TM
	-1	11553	CAS-10359	CS	FLOOR SWEEP	3/6/90	SOLID	292	132	11.4	120108-08	C-753-A	C-337	TM
	-1	11640	CAS-10382	CS	ZORBALL	7/31/90	SOLID	372	169	7.4	120108-09	C-753-A	C-335	TM
	-1	11638	CAS-10385	CS	ZORBALL	7/30/90	SOLID	419	190	7.4	120108-09	C-753-A	C-335	TM
	-1	12981	CAS-10387	CS	GLOVES, RAGS, PIGS	6/18/90	SOLID	350	159	7.4	109627-01	C-753-A	C-335	TM
	-1	11629	CAS-10389	CS	PIGS/PADS/RAGS/ETC.	6/14/90	SOLID	100	45	7.4	120108-07	C-753-A	C-335	TM
	-1	11634	CAS-10391	CS	TACKY MATS	6/22/90	SOLID	89	40	7.4	109627-01	C-753-A	C-335	TM
	-1	11628	CAS-10392	CS	TACKY MATS	6/13/90	SOLID	93	42	7.4	109626-05	C-753-A	C-335	TM
	-1	11605	CAS-10394	CS	TACKY MATS	4/3/90	SOLID	97	44	7.4	109626-04	C-753-A	C-335	TM
	-1	11577	CAS-10401	CS	FLOORSWEEP	5/11/90	SOLID	233	106	7.4	120108-09	C-753-A	C-335	TM
	-1	7273	CAS-10414	CS	ABSORBENT PADS	11/1/89	SOLID	115	52	7.4	120108-07	C-753-A	C-310	TM
	-1	4915	CAS-10444	CS	PLASTIC, LINT BALLS, BROOM HEADS	2/14/90	SOLID	117	53	7.4	109626-01	C-753-A	C-400	TM
	-1	4915	CAS-10445	CS	SANDBAGS, PADS, RAGS, PIGS; FLOOR CLEANING UNDER SEAL EXHAUST TRAPS	2/14/90	SOLID	415	188	7.4	109626-01	C-753-A	C-400	TM
	-1	4918	CAS-10448	CS	TYVEKS, RAGS, PLASTIC	5/22/90	SOLID	106	48	7.4	109626-05	C-753-A	C-400	TM
	-1	11636	CAS-10451	CS	TACKY MATS	7/16/90	SOLID	94	43	7.4	109627-02	C-753-A	C-335	TM
	-1	11512	CAS-10727	CS	USED FLOOR SWEEP	8/24/90	SOLID	254	115	7.4	120108-09	C-753-A	C-331	TM
	-1	11554	CAS-10734	CS	USED FLOORSWEEP	6/1/90	SOLID	249	113	7.4	120108-09	C-753-A	C-337	TM
	-1	11555	CAS-10765	CS	USED FLOOR SWEEP	8/1/90	SOLID	231	105	7.4	120108-09	C-753-A	C-337	TM
	-1	9713	CAS-10795	CS	PADS/PIGS	5/10/88	SOLID	121	55	7.4	120108-07	C-753-A	C-337	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	10201	CAS-10817	CS	ASKAREL WASTE-RAGS,TYVEK,GLOVES	9/7/90	SOLID	116	53	7.4	109626-03	C-753-A	C-337	TM
	-1	10839	CAS-10832	CS	PAPER/PLASTIC/PPE	5/10/88	SOLID	98	44	7.4	109626-02	C-753-A	C-333	TM
	-1	14229	CAS-10876	CS	ZORBALL,RAGS,SHOECOVER & GLOVES	10/22/90	SOLID	192	87	7.4	120108-07	C-753-A	C-331	TM
	-1	10842	CAS-10917	CS	PIG PANS, PADS & TRASH	10/8/90	SOLID	158	72	11.4	120108-08	C-753-A	C-333	TM
	-1	10842	CAS-10919	CS	PIG PANS, PADS & TRASH	10/8/90	SOLID	166	75	11.4	120108-08	C-753-A	C-333	TM
	-1	10842	CAS-10920	CS	PIG PANS, PADS & TRASH	10/8/90	SOLID	161	73	11.4	120108-08	C-753-A	C-333	TM
	-1	10849	CAS-10924	CS	PIG, PANS & PADS	11/7/90	SOLID	85	39	7.4	120108-07	C-753-A	C-333	TM
	-1	10849	CAS-10925	CS	PIG, PANS & PADS	11/7/90	SOLID	96	44	7.4	120108-07	C-753-A	C-333	TM
	-1	10849	CAS-10926	CS	PIG, PANS & PADS	11/7/90	SOLID	98	44	7.4	120108-07	C-753-A	C-333	TM
	-1	10847	CAS-10928	CS	PIG PANS, PADS	11/7/90	SOLID	96	44	7.4	120108-07	C-753-A	C-333	TM
	-1	10847	CAS-10929	CS	PIG PANS, PADS	11/7/90	SOLID	135	61	7.4	120108-06	C-753-A	C-333	TM
	-1	10847	CAS-10930	CS	PIG PANS, PADS	11/7/90	SOLID	119	54	7.4	120108-07	C-753-A	C-333	TM
	-1	10847	CAS-10931	CS	PIG PANS, PADS	11/7/90	SOLID	97	44	7.4	120108-07	C-753-A	C-333	TM
	-1	10847	CAS-10933	CS	PIG PANS, PADS	11/7/90	SOLID	95	43	7.4	120108-07	C-753-A	C-333	TM
	-1	10847	CAS-10934	CS	PIG PANS, PADS	11/7/90	SOLID	79	36	7.4	120108-07	C-753-A	C-333	TM
	-1	10847	CAS-10935	CS	RAGS	11/7/90	SOLID	95	43	7.4	109627-01	C-753-A	C-333	TM
	-1	10847	CAS-10936	CS	ZORBALL, PIG PANS, PADS	11/7/90	SOLID	156	71	7.4	120108-06	C-753-A	C-333	TM
	-1	10847	CAS-10937	CS	PIG PANS	11/7/90	SOLID	97	44	7.4	120108-06	C-753-A	C-333	TM
	-1	10847	CAS-10938	CS	FLOOR SWEEP	11/7/90	SOLID	87	39	7.4	120108-06	C-753-A	C-333	TM
	-1	11578	CAS-10945	CS	USED FLOOR SWEEP	8/10/90	SOLID	186	84	7.4	120108-09	C-753-A	C-335	TM
	-1	11654	CAS-10955	CS	FLOOR SWEEP	10/3/90	SOLID	182	83	7.4	120108-06	C-753-A	C-335	TM
	-1	11656	CAS-10956	CS	OILY PADS AND PIGS	11/12/90	SOLID	116	53	7.4	120108-06	C-753-A	C-335	TM
	-1	10831	CAS-10958	CS	PADS/PIGS/PILLOWS/ETC.	8/3/90	SOLID	100	45	7.4	120108-07	C-753-A	C-333	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	15621	CAS-10971	CS	PLASTIC, GLOVES, & SHOE COVERS	10/2/90	SOLID	75	34	7.4	109626-04	C-753-A	C-333	TM
	-1	14238	CAS-10987	CS	GLOVES,SHOE SCUFFS,PLATIC,TYVEK	11/6/90	SOLID	214	97	7.4	109626-04	C-753-A	C-333	TM
	-1	14239	CAS-10988	CS	PLASTIC, SHOE SCUFFS, & GLOVES	11/6/90	SOLID	70	32	7.4	109626-05	C-753-A	C-333	TM
	-1	11556	CAS-10997	CS	USED FLOOR SWEEP	10/9/90	SOLID	196	89	7.4	120108-06	C-753-A	C-337	TM
	-1	11556	CAS-10998	CS	USED FLOOR SWEEP	10/9/90	SOLID	211	96	7.4	120108-06	C-753-A	C-337	TM
	-1	11556	CAS-10999	CS	USED FLOOR SWEEP	10/9/90	SOLID	257	117	7.4	120108-06	C-753-A	C-337	TM
	-1	11556	CAS-11000	CS	USED FLOOR SWEEP	10/9/90	SOLID	223	101	7.4	120108-06	C-753-A	C-337	TM
	-1	11556	CAS-11001	CS	USED FLOOR SWEEP	10/9/90	SOLID	221	100	7.4	120108-06	C-753-A	C-337	TM
	-1	11556	CAS-11002	CS	USED FLOOR SWEEP	10/9/90	SOLID	238	108	7.4	120108-06	C-753-A	C-337	TM
	-1	11556	CAS-11003	CS	USED FLOOR SWEEP	10/9/90	SOLID	235	107	7.4	120108-06	C-753-A	C-337	TM
	-1	11556	CAS-11004	CS	USED FLOOR SWEEP	10/9/90	SOLID	279	127	7.4	120108-06	C-753-A	C-337	TM
	-1	11556	CAS-11005	CS	USED FLOOR SWEEP	10/9/90	SOLID	240	109	7.4	120108-08	C-753-A	C-337	TM
	-1	11556	CAS-11006	CS	USED FLOOR SWEEP	10/9/90	SOLID	246	112	7.4	120108-08	C-753-A	C-337	TM
	-1	11556	CAS-11007	CS	USED FLOOR SWEEP	10/9/90	SOLID	201	91	7.4	120108-08	C-753-A	C-337	TM
	-1	11513	CAS-11008	CS	USED FLOOR SWEEP	10/25/90	SOLID	204	93	7.4	120108-06	C-753-A	C-331	TM
	-1	11513	CAS-11009	CS	USED FLOOR SWEEP	10/25/90	SOLID	149	68	7.4	120108-06	C-753-A	C-331	TM
	-1	11513	CAS-11010	CS	USED FLOOR SWEEP	10/25/90	SOLID	233	106	7.4	120108-06	C-753-A	C-331	TM
	-1	11513	CAS-11011	CS	USED FLOOR SWEEP	10/25/90	SOLID	226	103	7.4	120108-06	C-753-A	C-331	TM
	-1	11513	CAS-11012	CS	USED FLOOR SWEEP	10/25/90	SOLID	217	98	7.4	120108-08	C-753-A	C-331	TM
	-1	11513	CAS-11013	CS	USED FLOOR SWEEP	10/25/90	SOLID	217	98	7.4	120108-08	C-753-A	C-331	TM
	-1	11513	CAS-11014	CS	USED FLOOR SWEEP	10/25/90	SOLID	195	88	7.4	120108-06	C-753-A	C-331	TM
	-1	13224	CAS-11020	CS	RAGS, PAPER, OIL	11/13/90	SOLID	213	97	7.4	109627-02	C-753-A	C-540	TM
	-1	13224	CAS-11021	CS	RAGS, PAPER, OIL	11/13/90	SOLID	132	60	7.4	109626-04	C-753-A	C-540	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	10850	CAS-11054	CS	TRASH,OIL SOAKED PADS, & PILLOWS	11/18/90	SOLID	111	50	7.4	120108-07	C-753-A	C-333	TM
	-1	10850	CAS-11055	CS	TRASH,OIL SOAKED PADS, & PILLOWS	11/18/90	SOLID	114	52	7.4	120108-07	C-753-A	C-333	TM
	-1	10850	CAS-11057	CS	TRASH,OIL SOAKED PADS, & PILLOWS	11/18/90	SOLID	107	49	7.4	120108-07	C-753-A	C-333	TM
	-1	11654	CAS-11059	CS	OILY PADS, PIGS, & PILLOWS	10/3/90	SOLID	107	49	7.4	120108-06	C-753-A	C-335	TM
	-1	11654	CAS-11060	CS	FLOOR SWEEP	10/3/90	SOLID	180	82	7.4	120108-07	C-753-A	C-335	TM
	-1	11654	CAS-11061	CS	FLOOR SWEEP	10/3/90	SOLID	195	88	7.4	120108-06	C-753-A	C-335	TM
	-1	10847	CAS-11191	CS	PIG PANS, PADS PILLOWS PER SAMP	11/7/90	SOLID	101	46	7.4	120108-07	C-753-A	C-333	TM
	-1	10847	CAS-11192	CS	PIG PANS, PADS PILLOWS PER SAMP	11/7/90	SOLID	100	45	7.4	120108-07	C-753-A	C-333	TM
	-1	11660	CAS-11206	CS	OILY PADS, PIGS, ZORBALL	11/22/90	SOLID	298	135	7.4	120108-06	C-753-A	C-335	TM
	-1	11532	CAS-11208	CS	USED FLOOR SWEEP	11/27/90	SOLID	186	84	7.4	120108-08	C-753-A	C-333	TM
	-1	11532	CAS-11209	CS	USED FLOOR SWEEP	11/27/90	SOLID	225	102	7.4	120108-06	C-753-A	C-333	TM
	-1	11532	CAS-11210	CS	USED FLOOR SWEEP	11/27/90	SOLID	209	95	7.4	120108-08	C-753-A	C-333	TM
	-1	11532	CAS-11211	CS	USED FLOOR SWEEP	11/27/90	SOLID	241	109	7.4	120108-08	C-753-A	C-333	TM
	-1	11532	CAS-11212	CS	USED FLOOR SWEEP	11/27/90	SOLID	198	90	7.4	120108-06	C-753-A	C-333	TM
	-1	11532	CAS-11213	CS	USED FLOOR SWEEP	11/27/90	SOLID	251	114	7.4	120108-06	C-753-A	C-333	TM
	-1	11532	CAS-11214	CS	USED FLOOR SWEEP	11/27/90	SOLID	217	98	7.4	120108-06	C-753-A	C-333	TM
	-1	11532	CAS-11215	CS	USED FLOOR SWEEP	11/27/90	SOLID	219	99	7.4	120108-06	C-753-A	C-333	TM
	-1	11532	CAS-11217	CS	USED FLOOR SWEEP	11/27/90	SOLID	238	108	7.4	120108-08	C-753-A	C-333	TM
	-1	11532	CAS-11218	CS	USED FLOOR SWEEP	11/27/90	SOLID	219	99	7.4	120108-08	C-753-A	C-333	TM
	-1	11532	CAS-11219	CS	USED FLOOR SWEEP	11/27/90	SOLID	173	78	7.4	120108-07	C-753-A	C-333	TM
	-1	11532	CAS-11220	CS	USED FLOOR SWEEP	11/27/90	SOLID	224	102	7.4	120108-08	C-753-A	C-333	TM
	-1	11532	CAS-11221	CS	USED FLOOR SWEEP	11/27/90	SOLID	206	93	7.4	120108-08	C-753-A	C-333	TM
	-1	11532	CAS-11222	CS	USED FLOOR SWEEP	11/27/90	SOLID	241	109	7.4	120108-08	C-753-A	C-333	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	11532	CAS-11223	CS	USED FLOOR SWEEP	11/27/90	SOLID	214	97	7.4	120108-08	C-753-A	C-333	TM
	-1	11532	CAS-11224	CS	USED FLOOR SWEEP	11/27/90	SOLID	240	109	7.4	120108-06	C-753-A	C-333	TM
	-1	11532	CAS-11225	CS	USED FLOOR SWEEP	11/27/90	SOLID	278	126	7.4	120108-06	C-753-A	C-333	TM
	-1	11532	CAS-11226	CS	USED FLOOR SWEEP	11/27/90	SOLID	250	113	7.4	120108-06	C-753-A	C-333	TM
	-1	11532	CAS-11228	CS	USED FLOOR SWEEP	11/27/90	SOLID	235	107	7.4	120108-06	C-753-A	C-333	TM
	-1	11532	CAS-11230	CS	USED FLOOR SWEEP	11/27/90	SOLID	236	107	7.4	120108-08	C-753-A	C-333	TM
	-1	11532	CAS-11231	CS	USED FLOOR SWEEP	11/27/90	SOLID	239	108	7.4	120108-08	C-753-A	C-333	TM
	-1	11532	CAS-11232	CS	USED FLOOR SWEEP	11/27/90	SOLID	229	104	7.4	120108-08	C-753-A	C-333	TM
	-1	11664	CAS-11271	CS	OILY PANS, PIGS & TRASH	12/3/90	SOLID	97	44	7.4	109627-02	C-753-A	C-335	TM
	-1	11664	CAS-11274	CS	OILY PANS, PIGS & TRASH	12/3/90	SOLID	101	46	7.4	120108-08	C-753-A	C-335	TM
	-1	8444	CAS-11285	CS	2' X 2' PCB TRANSFORMER	12/11/90	SOLID	420	191	7.4	108231-01	C-753-A	C-340	TM
	-1	11514	CAS-11350	CS	FLOOR SWEEP	12/19/90	SOLID	267	121	7.4	120108-06	C-753-A	C-331	TM
	-1	10207	CAS-11362	CS	GLOVES, RAGS, BAGS, ZORBALL	1/15/91	SOLID	242	110	7.4	120108-06	C-753-A	C-337	TM
	-1	10207	CAS-11363	CS	GLOVES, RAGS, BAGS, ZORBALL	1/15/91	SOLID	124	56	7.4	120108-06	C-753-A	C-337	TM
	-1	10207	CAS-11364	CS	GLOVES, RAGS, BAGS, ZORBALL	1/15/91	SOLID	240	109	7.4	120108-06	C-753-A	C-337	TM
	-1	14052	CAS-11369	CS	FLOOR SWEEP	1/17/91	SOLID	221	100	7.4	120108-08	C-753-A	C-331	TM
	-1	14052	CAS-11370	CS	FLOOR SWEEP	1/17/91	SOLID	242	110	7.4	120108-08	C-753-A	C-331	TM
	-1	14052	CAS-11371	CS	FLOOR SWEEP	1/17/91	SOLID	219	99	7.4	120108-08	C-753-A	C-331	TM
	-1	11580	CAS-11372	CS	FLOOR SWEEP	1/15/91	SOLID	117	53	7.4	120108-07	C-753-A	C-335	TM
	-1	11580	CAS-11373	CS	FLOOR SWEEP	1/15/91	SOLID	185	84	7.4	120108-06	C-753-A	C-335	TM
	-1	11580	CAS-11374	CS	FLOOR SWEEP	1/15/91	SOLID	137	62	7.4	120108-06	C-753-A	C-335	TM
	-1	11580	CAS-11375	CS	FLOOR SWEEP	1/15/91	SOLID	194	88	7.4	120108-06	C-753-A	C-335	TM
	-1	11580	CAS-11376	CS	FLOOR SWEEP	1/15/91	SOLID	220	100	7.4	120108-06	C-753-A	C-335	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	11580	CAS-11377	CS	FLOOR SWEEP	1/15/91	SOLID	220	100	7.4	120108-08	C-753-A	C-335	TM
	-1	11558	CAS-11388	CS	FLOOR SWEEP	1/8/91	SOLID	205	93	7.4	120108-08	C-753-A	C-337	TM
	-1	11558	CAS-11389	CS	FLOOR SWEEP	1/8/91	SOLID	201	91	7.4	120108-08	C-753-A	C-337	TM
	-1	11558	CAS-11390	CS	FLOOR SWEEP	1/8/91	SOLID	220	100	7.4	120108-08	C-753-A	C-337	TM
	-1	11558	CAS-11391	CS	FLOOR SWEEP	1/8/91	SOLID	201	91	7.4	120108-08	C-753-A	C-337	TM
	-1	11558	CAS-11392	CS	FLOOR SWEEP	1/8/91	SOLID	165	75	7.4	120108-08	C-753-A	C-337	TM
	-1	11558	CAS-11393	CS	FLOOR SWEEP	1/8/91	SOLID	206	93	7.4	120108-08	C-753-A	C-337	TM
	-1	11558	CAS-11394	CS	FLOOR SWEEP	1/8/91	SOLID	208	94	7.4	120108-08	C-753-A	C-337	TM
	-1	11558	CAS-11395	CS	FLOOR SWEEP	1/8/91	SOLID	177	80	7.4	120108-08	C-753-A	C-337	TM
	-1	11558	CAS-11396	CS	FLOOR SWEEP	1/8/91	SOLID	212	96	7.4	120108-08	C-753-A	C-337	TM
	-1	11558	CAS-11397	CS	FLOOR SWEEP	1/8/91	SOLID	202	92	7.4	120108-08	C-753-A	C-337	TM
	-1	7160	CAS-12425	CS	TRASH (PLASTIC)	2/6/90	SOLID	105	48	7.4	109626-01	C-753-A	C-746-B	TM
	-1	10522	CAS-12458	CS	FLOOR SWEEP	1/14/91	SOLID	454	206	7.4	120108-06	C-753-A	C-333	TM
	-1	8163	CAS-12504	CS	CLOTH, PAPER, PLASTIC	6/20/90	SOLID	91	41	7.4	109626-05	C-753-A	C-337	TM
	-1	16529	CAS-12507	CS	OILY ZORBALL	12/19/90	SOLID	138	63	7.4	120108-06	C-753-A	C-340	TM
	-1	6739	CAS-12509	CS	RAGS, PIGS, CONCRETE/PIGS PER ES	3/27/91	SOLID	172	78	7.4	120108-06	C-753-A	C-337	TM
	-1	6739	CAS-12510	CS	RAGS, PIGS, CONCRETE/PIGS PER ES	3/27/91	SOLID	247	112	11.4	120108-08	C-753-A	C-337	TM
	-1	6641	CAS-12511	CS	ZORBALL	1/29/91	SOLID	129	59	7.4	120108-08	C-753-A	C-340	TM
	-1	16517	CAS-12570	CS	FLOOR SWEEP	3/17/91	SOLID	117	53	7.4	120108-08	C-753-A	C-335	TM
	-1	5548	CAS-12578	CS	FLOOR SWEEP/TRASH	3/7/91	SOLID	167	76	7.4	120108-08	C-753-A	C-337	TM
	-1	11533	CAS-12583	CS	FLOOR SWEEP	1/19/91	SOLID	212	96	7.4	120108-06	C-753-A	C-333	TM
	-1	11533	CAS-12584	CS	FLOOR SWEEP	1/19/91	SOLID	210	95	7.4	120108-06	C-753-A	C-333	TM
	-1	11533	CAS-12585	CS	FLOOR SWEEP	1/19/91	SOLID	151	68	7.4	120108-06	C-753-A	C-333	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	11533	CAS-12586	CS	FLOOR SWEEP	1/19/91	SOLID	207	94	7.4	120108-06	C-753-A	C-333	TM
	-1	11533	CAS-12587	CS	FLOOR SWEEP	1/19/91	SOLID	226	103	7.4	120108-08	C-753-A	C-333	TM
	-1	11533	CAS-12588	CS	FLOOR SWEEP	1/19/91	SOLID	205	93	7.4	120108-08	C-753-A	C-333	TM
	-1	13830	CAS-12607	CS	SMPLNG DEBRIS/PAPER/PLASTIC	2/1/91	SOLID	97	44	7.4	108248-01	C-753-A	C-746-A	TM
	-1	11655	CAS-12633	CS	OILY RAGS	11/2/90	SOLID	181	82	7.4	120108-06	C-753-A	C-340	TM
	-1	10209	CAS-12673	CS	PADS/PILLOWS/PIGS	2/14/91	SOLID	96	44	7.4	120108-07	C-753-A	C-337	TM
	-1	10210	CAS-12676	CS	TRASH	2/15/91	SOLID	152	69	7.4	109627-02	C-753-A	C-337	TM
	-1	10210	CAS-12677	CS	TRASH	2/15/91	SOLID	120	54	7.4	109627-02	C-753-A	C-337	TM
	-1	10210	CAS-12678	CS	TRASH	2/15/91	SOLID	196	89	7.4	109627-01	C-753-A	C-337	TM
	-1	10210	CAS-12679	CS	TRASH	2/15/91	SOLID	266	121	7.4	109627-02	C-753-A	C-337	TM
	-1	10210	CAS-12680	CS	TRASH	2/15/91	SOLID	276	125	7.4	109627-02	C-753-A	C-337	TM
	-1	10210	CAS-12681	CS	TRASH	2/15/91	SOLID	164	74	7.4	109627-02	C-753-A	C-337	TM
	-1	10210	CAS-12682	CS	TRASH	2/15/91	SOLID	144	65	7.4	109627-02	C-753-A	C-337	TM
	-1	10208	CAS-12689	CS	PADS/PILLOWS/PIGS	2/12/91	SOLID	238	108	7.4	120108-07	C-753-A	C-337	TM
	-1	10208	CAS-12690	CS	PADS/PILLOWS/PIGS	2/12/91	SOLID	206	93	7.4	120108-07	C-753-A	C-337	TM
	-1	10208	CAS-12691	CS	PADS/PILLOWS/PIGS	2/12/91	SOLID	186	84	7.4	120108-07	C-753-A	C-337	TM
	-1	10208	CAS-12692	CS	PADS/PILLOWS/PIGS	2/12/91	SOLID	146	66	7.4	120108-07	C-753-A	C-337	TM
	-1	10214	CAS-12712	CS	PADS/PILLOWS/PIGS	3/4/91	SOLID	110	50	7.4	120108-07	C-753-A	C-337	TM
	-1	10213	CAS-12713	CS	PADS/PILLOWS/PIGS	3/1/91	SOLID	82	37	7.4	120108-07	C-753-A	C-337	TM
	-1	10213	CAS-12714	CS	PADS/PILLOWS/PIGS	3/1/91	SOLID	118	54	7.4	120108-07	C-753-A	C-337	TM
	-1	11536	CAS-12721	CS	FLOOR SWEEP	2/26/91	SOLID	196	89	7.4	120108-06	C-753-A	C-333	TM
	-1	11536	CAS-12722	CS	FLOOR SWEEP	2/26/91	SOLID	196	89	7.4	120108-06	C-753-A	C-333	TM
	-1	11536	CAS-12723	CS	FLOOR SWEEP	2/26/91	SOLID	196	89	7.4	120108-06	C-753-A	C-333	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	11536	CAS-12724	CS	FLOOR SWEEP	2/26/91	SOLID	168	76	7.4	120108-06	C-753-A	C-333	TM
	-1	11536	CAS-12725	CS	FLOOR SWEEP	2/26/91	SOLID	218	99	7.4	120108-07	C-753-A	C-333	TM
	-1	11536	CAS-12726	CS	FLOOR SWEEP	2/26/91	SOLID	218	99	7.4	120108-06	C-753-A	C-333	TM
	-1	10216	CAS-12775	CS	PADS/PILLOWS/PIGS	3/21/91	SOLID	152	69	7.4	120108-07	C-753-A	C-337	TM
	-1	14053	CAS-12780	CS	FLOOR SWEEP	3/21/91	SOLID	136	62	7.4	120108-06	C-753-A	C-331	TM
	-1	14053	CAS-12781	CS	FLOOR SWEEP	3/21/91	SOLID	208	94	7.4	120108-06	C-753-A	C-331	TM
	-1	14053	CAS-12782	CS	FLOOR SWEEP	3/21/91	SOLID	196	89	7.4	120108-06	C-753-A	C-331	TM
	-1	14053	CAS-12783	CS	FLOOR SWEEP	3/21/91	SOLID	194	88	7.4	120108-08	C-753-A	C-331	TM
	-1	14053	CAS-12784	CS	DEBRIS	3/21/91	SOLID	140	64	7.4	120108-07	C-753-A	C-331	TM
	-1	14427	CAS-12818	CS	FLOOR SWEEP/MOPS	4/24/91	SOLID	151	68	7.4	120108-06	C-753-A	C-333	TM
	-1	14427	CAS-12819	CS	FLOOR SWEEP/MOPS	4/24/91	SOLID	201	91	7.4	120108-06	C-753-A	C-333	TM
	-1	14427	CAS-12820	CS	FLOOR SWEEP/MOPS	4/24/91	SOLID	212	96	7.4	120108-06	C-753-A	C-333	TM
	-1	14427	CAS-12821	CS	FLOOR SWEEP/MOPS	4/24/91	SOLID	226	103	7.4	120108-08	C-753-A	C-333	TM
	-1	14427	CAS-12822	CS	FLOOR SWEEP/MOPS	4/24/91	SOLID	228	103	7.4	120108-06	C-753-A	C-333	TM
	-1	14427	CAS-12823	CS	FLOOR SWEEP/MOPS	4/24/91	SOLID	234	106	7.4	120108-08	C-753-A	C-333	TM
	-1	2081	CAS-12826	CS	PIGS/PADS/PILLOWS	4/25/91	SOLID	244	111	7.4	120108-06	C-753-A	C-337	TM
	-1	11026	CAS-12841	CS	AUTOCLAVE METAL FROM C-333-A	4/30/91	SOLID	130	59	7.4	109667-04	C-746-A	Unknown	TM
	-1	15488	CAS-12893	CS	RAGS/SPONGES/PLASTIC	3/28/91	SOLID	136	62	11.4	109626-03	C-753-A	C-400	TM
	-1	11540	CAS-12895	CS	FLOOR SWEEP/MOPS	6/22/94	SOLID	116	53	7.4	120108-08	C-753-A	C-333	TM
	-1	11540	CAS-12896	CS	FLOOR SWEEP/MOPS	4/23/91	SOLID	224	102	7.4	120108-08	C-753-A	C-333	TM
	-1	11540	CAS-12898	CS	FLOOR SWEEP/MOPS	3/5/94	SOLID	203	92	7.4	120108-08	C-753-A	C-333	TM
	-1	14862	CAS-12918	CS	PADS/RAGS	4/2/91	SOLID	78	35	7.4	120108-10	C-753-A	C-400	TM
	-1	14862	CAS-12930	CS	PADS/RAGS	4/2/91	SOLID	74	34	7.4	120108-10	C-753-A	C-400	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	11562	CAS-12937	CS	FLOOR SWEEP/MOPS	4/11/91	SOLID	190	86	7.4	120108-08	C-753-A	C-337	TM
	-1	11562	CAS-12940	CS	FLOOR SWEEP/MOPS	4/11/91	SOLID	186	84	7.4	120108-06	C-753-A	C-337	TM
	-1	11563	CAS-12944	CS	FLOOR SWEEP/MOPS	4/16/91	SOLID	195	88	7.4	120108-09	C-753-A	C-337	TM
	-1	11564	CAS-12945	CS	FLOOR SWEEP/MOPS	4/18/91	SOLID	199	90	7.4	120108-08	C-753-A	C-337	TM
	-1	11564	CAS-12946	CS	FLOOR SWEEP/MOPS	4/18/91	SOLID	209	95	7.4	120108-08	C-753-A	C-337	TM
	-1	11564	CAS-12947	CS	FLOOR SWEEP/MOPS	4/18/91	SOLID	213	97	7.4	120108-06	C-753-A	C-337	TM
	-1	11564	CAS-12948	CS	FLOOR SWEEP/MOPS	4/18/91	SOLID	215	98	7.4	120108-08	C-753-A	C-337	TM
	-1	11564	CAS-12949	CS	FLOOR SWEEP/MOPS	4/18/91	SOLID	222	101	7.4	120108-08	C-753-A	C-337	TM
	-1	13239	CAS-12953	CS	PADS/PILLOWS/PIGS	3/27/91	SOLID	283	128	7.4	120108-10	C-753-A	C-540	TM
	-1	16630	CAS-14023	CS	PAPER/PLASTIC/TYVEKS/BELTS/GLOVE	5/15/91	SOLID	140	64	7.4	109626-02	C-753-A	C-337	TM
	-1	1849	CAS-14025	CS	CLOTHING/SHOE SCUFFS	5/14/91	SOLID	276	125	7.4	109626-02	C-753-A	C-537	TM
	-1	17381	CAS-14036	CS	ABSORBENTS/RAGS/PLASTIC/TYVEKS	5/14/91	SOLID	88	40	7.4	120108-10	C-753-A	C-337	TM
	-1	15852	CAS-14054	CS	GLOVES/RAGS/COVERALLS/ABSORBENTS	5/20/91	SOLID	186	84	7.4	120108-09	C-753-A	C-337	TM
	-1	15852	CAS-14055	CS	GLOVES/RAGS/COVERALLS/ABSORBENTS	5/20/91	SOLID	203	92	7.4	120108-09	C-753-A	C-337	TM
	-1	11584	CAS-14058	CS	FLOOR SWEEP/MOPS	5/16/91	SOLID	199	90	7.4	120108-06	C-753-A	C-335	TM
	-1	10218	CAS-14067	CS	PADS/PILLOWS/PIGS	4/3/91	SOLID	210	95	11.4	120108-07	C-753-A	C-337	TM
	-1	15258	CAS-14069	CS	PLASTIC/GLOVES/SHOE SCUFFS	1/18/91	SOLID	139	63	7.4	109627-02	C-753-A	C-333	TM
	-1	15759	CAS-14083	CS	PIPE	6/5/91	SOLID	288	131	7.4	109667-01	C-746-A	C-746-B	TM
	-1	15757	CAS-14093	CS	SCRAP METAL	6/5/91	SOLID	195	88	7.4	109667-03	C-746-A	C-746-B	TM
	-1	15856	CAS-14102	CS	PAPER/PLASTIC/TYVEKS/GLOVES/MISC	6/4/91	SOLID	133	60	7.4	109626-02	C-753-A	C-337	TM
	-1	11565	CAS-14106	CS	FLOOR SWEEP	6/4/91	SOLID	204	93	7.4	120108-08	C-753-A	C-337	TM
	-1	11565	CAS-14107	CS	FLOOR SWEEP	6/4/91	SOLID	206	93	7.4	120108-06	C-753-A	C-337	TM
	-1	15855	CAS-14115	CS	RAGS/BOOTS/PLASTIC/TYVEKS/GLOVES	5/31/91	SOLID	99	45	7.4	109626-02	C-753-A	C-337	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	1849	CAS-14125	CS	CLOTHING/SHOE SCUFFS	5/14/91	SOLID	100	45	7.4	109626-02	C-753-A	C-537	TM
	-1	13890	CAS-14147	CS	FLOOR SWEEP	6/10/91	SOLID	216	98	7.4	120108-10	C-753-A	C-746-A	TM
	-1	14076	CAS-14210	CS	FLOOR SWEEP	6/6/91	SOLID	229	104	7.4	120108-06	C-753-A	C-333	TM
	-1	15226	CAS-14234	CS	FLOOR SWEEP	6/6/91	SOLID	184	83	7.4	120108-06	C-753-A	C-337	TM
	-1	15226	CAS-14235	CS	FLOOR SWEEP	6/6/91	SOLID	190	86	7.4	120108-08	C-753-A	C-337	TM
	-1	15226	CAS-14236	CS	FLOOR SWEEP	6/6/91	SOLID	198	90	7.4	120108-06	C-753-A	C-337	TM
	-1	15226	CAS-14238	CS	FLOOR SWEEP	6/6/91	SOLID	168	76	7.4	120108-08	C-753-A	C-337	TM
	-1	15857	CAS-14250	CS	RUBBERGLOVES/RAGS/PLASTIC/ WOOD	6/17/91	SOLID	87	39	7.4	109626-05	C-753-A	C-337	TM
	-1	14902	CAS-14270	CS	TRASH/ABSORBENT PADS	6/17/91	SOLID	394	179	11.4	120108-10	C-753-A	C-400	TM
	-1	14902	CAS-14271	CS	TRASH/ABSORBENT PADS	6/17/91	SOLID	301	137	11.4	120108-10	C-753-A	C-400	TM
	-1	13894	CAS-14367	CS	GLOVES/TYVEKS/RUBBER HOSE/TAPE	7/26/91	SOLID	262	119	11.4	109626-02	C-753-A	C-746-A	TM
	-1	17510	CAS-14371	CS	FLOOR SWEEP	7/22/91	SOLID	156	71	7.4	120108-08	C-753-A	C-335	TM
	-1	5466	CAS-14410	CS	PVC PIPE/OIL SOAKED PADS/BUCKETS	7/20/91	SOLID	159	72	7.4	120108-07	C-753-A	C-331	TM
	-1	14976	CAS-14484	CS	RAGS/TYVEK/SHOE COVERS/RUBBER GL	7/18/91	SOLID	103	47	7.4	109627-01	C-753-A	C-400	TM
	-1	14976	CAS-14485	CS	PPE/RUBBER GLOVES/OILY RAGS	7/18/91	SOLID	105	48	7.4	109627-01	C-753-A	C-400	TM
	-1	14976	CAS-14487	CS	RAGS/TYVEK/SHOE COVERS/FLAGGING	7/18/91	SOLID	164	74	7.4	109627-01	C-753-A	C-400	TM
	-1	14982	CAS-14543	CS	CARBON POWDER CONT W/PCB WATER	8/9/91	SOLID	418	190	11.4	121302-01	C-746-A	C-400	TM
	-1	14981	CAS-14545	CS	CARBON POWDER CONT W/PCB WATER	8/6/91	SOLID	417	189	11.4	121302-01	C-746-A	C-400	TM
	-1	14981	CAS-14546	CS	CARBON POWDER CONT W/PCB WATER	8/6/91	SOLID	432	196	11.4	121302-01	C-746-A	C-400	TM
	-1	15873	CAS-14591	CS	PAPER/RAGS/GLOVES FROM CLEANUP	7/12/91	SOLID	202	92	7.4	109626-02	C-753-A	C-337	TM
	-1	16631	CAS-14596	CS	PCB SPILL CLEANUP - WOOD/PLASTIC	9/26/91	SOLID	189	86	7.4	109654-01	C-753-A	C-746-A	TM
	-1	17525	CAS-14681	CS	PPE/PADS/FLOORSWEEPS/LABELS	7/29/91	SOLID	238	108	7.4	109626-04	C-753-A	C-746-A	TM
	-1	7734	CAS-14741	CS	FLOORSWEEP	3/3/89	SOLID	217	98	7.4	120108-09	C-753-A	C-337	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	7734	CAS-14746	CS	FLOORSWEEP	3/3/89	SOLID	213	97	7.4	120108-09	C-753-A	C-337	TM
	-1	662	CAS-14749	CS	PAPER/PPE/PLASTIC	5/10/88	SOLID	87	39	7.4	109626-02	C-753-A	C-337	TM
	-1	13831	CAS-14836	CS	ZORBALL/FLR SWEEP/BLANKETS/SOIL	2/11/91	SOLID	242	110	7.4	108248-01	C-753-A	C-746-A	TM
	-1	13834	CAS-14838	CS	SOIL/GRAVEL/ZORBALL/FLOOR SWEEP	3/6/91	SOLID	271	123	7.4	108248-01	C-753-A	C-746-A	TM
	-1	13834	CAS-14839	CS	SOIL/GRAVEL/ZORBALL/FLOOR SWEEP	3/6/91	SOLID	240	109	7.4	108248-01	C-753-A	C-746-A	TM
	-1	13834	CAS-14840	CS	SOIL/GRAVEL/ZORBALL/FLOOR SWEEP	3/6/91	SOLID	257	117	7.4	108248-01	C-753-A	C-746-A	TM
	-1	13834	CAS-14841	CS	SOIL/GRAVEL/ZORBALL/FLOOR SWEEP	3/6/91	SOLID	205	93	7.4	108248-01	C-753-A	C-746-A	TM
	-1	13834	CAS-14842	CS	SOIL/GRAVEL/ZORBALL/FLOOR SWEEP	3/6/91	SOLID	232	105	7.4	108248-01	C-753-A	C-746-A	TM
	-1	13835	CAS-14844	CS	SOIL/GRAVEL/ZORBALL/FLOOR SWEEP	9/5/91	SOLID	251	114	7.4	108248-01	C-753-A	C-746-A	TM
	-1	13835	CAS-14845	CS	SOIL/GRAVEL/ZORBALL/FLOOR SWEEP	9/5/91	SOLID	284	129	7.4	108248-01	C-753-A	C-746-A	TM
	-1	13849	CAS-14852	CS	SAMPLING DEBRIS	12/18/91	SOLID	104	47	7.4	108248-01	C-753-A	C-746-A	TM
	-1	13849	CAS-14853	CS	SAMPLING DEBRIS	12/18/91	SOLID	83	38	7.4	108248-01	C-753-A	C-746-A	TM
	-1	15873	CAS-14869	CS	PAPER/RAGS/PPE	7/8/91	SOLID	75	34	7.4	109626-05	C-753-A	C-337	TM
	-1	27005	CAS-14887	CS	RAGS/ABSORBENTS/PPE	1/24/92	SOLID	90	41	7.4	120108-10	C-753-A	C-540	TM
	-1	23584	CAS-14954	CS	PPE/EMPTY CONTAINERS	2/6/92	SOLID	119	54	7.4	109626-05	C-753-A	C-746-A	TM
	-1	23589	CAS-14957	CS	PALLETS	2/28/92	SOLID	148	67	11.4	109654-01	C-753-A	C-746-A	TM
	-1	23589	CAS-14958	CS	PALLETS	2/28/92	SOLID	284	129	11.4	109654-01	C-753-A	C-746-A	TM
	-1	23589	CAS-14959	CS	PALLETS	2/28/92	SOLID	267	121	11.4	109654-01	C-753-A	C-746-A	TM
	-1	14921	CAS-14988	CS	CARBON FILTERS	12/6/91	SOLID	628	285	11.4	121302-01	C-746-A	C-400	TM
	-1	14921	CAS-14989	CS	CARBON FILTERS	12/6/91	SOLID	572	259	11.4	121302-01	C-746-A	C-400	TM
	-1	5064	CAS-14992	CS	PPE/PLASTIC/RAGS/SHOVELS/BROOMS	10/24/91	SOLID	108	49	7.4	109627-02	C-753-A	C-331	TM
	-1	20252	CAS-15011	CS	PPE/RAGS	9/16/91	SOLID	118	54	7.4	109626-04	C-753-A	C-333	TM
	-1	20280	CAS-15028	CS	PPE/PVC PIPE	10/14/91	SOLID	123	56	7.4	109627-02	C-753-A	C-333	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	17603	CAS-15049	CS	LAB WASTE/SAMPLING TRASH	1/16/92	SOLID	96	44	7.4	109627-02	C-753-A	C-746-A	TM
	-1	18481	CAS-15053	CS	WOOD	11/5/91	SOLID	143	65	7.4	109654-01	C-753-A	C-728	TM
	-1	18481	CAS-15054	CS	WOOD/PPE	11/5/91	SOLID	79	36	7.4	109654-01	C-753-A	C-728	TM
	-1	18483	CAS-15064	CS	WOOD/PLASTIC/PPE	3/3/92	SOLID	209	95	11.4	109654-01	C-753-A	C-746-A	TM
	-1	7741	CAS-15099	CS	FLOORSWEEP	4/18/89	SOLID	228	103	7.4	120108-09	C-753-A	C-333	TM
	-1	7745	CAS-15100	CS	FLOORSWEEP	9/5/89	SOLID	205	93	7.4	120108-09	C-753-A	C-335	TM
	-1	7745	CAS-15111	CS	FLOORSWEEP	9/5/89	SOLID	179	81	7.4	120108-09	C-753-A	C-335	TM
	-1	10980	CAS-15128	CS	FLOORSWEEP	9/19/89	SOLID	164	74	7.4	120108-09	C-753-A	C-310	TM
	-1	10458	CAS-15130	CS	TYVEKS/RAGS/GLOVES	8/24/89	SOLID	142	64	7.4	109627-02	C-753-A	C-333	TM
	-1	5714	CAS-15131	CS	OILY RAGS	12/13/88	SOLID	285	129	7.4	109626-05	C-753-A	C-333	TM
	-1	5714	CAS-15132	CS	SOLID WASTE	12/13/88	SOLID	363	165	7.4	109627-01	C-753-A	C-333	TM
	-1	663	CAS-15140	CS	ZORBALL/TRASH	7/24/89	SOLID	239	108	11.4	120108-07	C-753-A	C-337	TM
	-1	5714	CAS-15145	CS	WASTE OIL SOLIDS	12/13/88	SOLID	390	177	7.4	109627-01	C-753-A	C-333	TM
	-1	7740	CAS-15147	CS	FLOORSWEEP	3/21/89	SOLID	193	88	7.4	120108-09	C-753-A	C-337	TM
	-1	7740	CAS-15154	CS	FLOOR SWEEP	3/21/89	SOLID	194	88	7.4	120108-08	C-753-A	C-337	TM
	-1	10458	CAS-15157	CS	TYVEKS/RAGS/GLOVES	8/24/89	SOLID	347	157	11.4	109626-02	C-753-A	C-333	TM
	-1	10458	CAS-15158	CS	TYVEKS/RAGS/GLOVES	8/24/89	SOLID	233	106	7.4	109626-03	C-753-A	C-333	TM
	-1	24112	CAS-15170	CS	ABSORBENT MATERIAL/RAGS	9/19/91	SOLID	131	59	7.4	120108-10	C-753-A	C-540	TM
	-1	18307	CAS-15199	CS	OILY RAGS/ZORBALL	5/10/91	SOLID	310	141	7.4	120108-10	C-753-A	C-746-A	TM
	-1	662	CAS-15203	CS	FLOOR SWEEP/TRASH	7/24/89	SOLID	256	116	11.4	120108-08	C-753-A	C-337	TM
	-1	18487	CAS-15225	CS	PLYWOOD	4/15/92	SOLID	318	144	11.4	109654-01	C-753-A	C-746-A	TM
	-1	18496	CAS-15231	CS	WOODEN PALLETS	4/28/92	SOLID	298	135	11.4	109654-01	C-753-A	C-746-A	TM
	-1	18496	CAS-15232	CS	WOODEN PALLETS	4/28/92	SOLID	284	129	11.4	109654-01	C-753-A	C-746-A	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	10978	CAS-15249	CS	FLOORSWEEP	9/26/89	SOLID	116	53	7.4	120108-09	C-753-A	C-333	TM
	-1	7737	CAS-15266	CS	FLOOR SWEEP	4/2/90	SOLID	248	112	7.4	120108-08	C-753-A	Unknown	TM
	-1	7737	CAS-15267	CS	ZORBALL / FLOORSWEEP	2/6/90	SOLID	187	85	7.4	120108-08	C-753-A	Unknown	TM
	-1	7737	CAS-15268	CS	ZORBALL	4/2/90	SOLID	220	100	7.4	120108-08	C-753-A	Unknown	TM
	-1	7737	CAS-15269	CS	FLOOR SWEEP	2/6/90	SOLID	218	99	7.4	120108-08	C-753-A	Unknown	TM
	-1	18307	CAS-15271	CS	ZORBALL / FLOORSWEEP	2/6/90	SOLID	342	155	7.4	120108-08	C-753-A	C-746-A	TM
	-1	5694	CAS-15280	CS	FLOOR SWEEEP/RAGS	7/26/89	SOLID	322	146	11.4	120108-07	C-753-A	C-333	TM
	-1	9836	CAS-15300	CS	TRASH AROUND SLAG UNIT NEAR FURN	9/21/89	SOLID	147	67	7.4	109627-01	C-753-A	C-340	TM
	-1	5694	CAS-15301	CS	FLOOR SWEEP	7/26/89	SOLID	366	166	11.4	120108-07	C-753-A	C-333	TM
	-1	17726	CAS-15334	CS	PPE/ABSORBENT/PLASTIC/GLASS/ WOOD	4/15/92	SOLID	287	130	11.4	120108-10	C-753-A	C-746-A	TM
	-1	16395	CAS-15335	CS	PALLETS	5/18/92	SOLID	296	134	11.4	109654-01	C-753-A	C-746-A	TM
	-1	17632	CAS-15340	CS	TYVEK/PAPER/PLASTIC/GLOVES/ GLASS	3/25/92	SOLID	183	83	11.4	109627-01	C-753-A	C-746-A	TM
	-1	16458	CAS-15343	CS	PPE/PLASTIC	11/29/89	SOLID	144	65	11.4	109626-01	C-753-A	Unknown	TM
	-1	16458	CAS-15344	CS	PPE/PLASTIC; PHASE I IDW	2/1/90	SOLID	202	92	11.4	109626-01	C-753-A	Unknown	TM
	-1	16458	CAS-15345	CS	PPE/PLASTIC; PHASE I - I.D.W.	12/1/89	SOLID	168	76	11.4	109626-02	C-753-A	Unknown	TM
	-1	16458	CAS-15346	CS	PPE/PLASTIC; PHASE I - I.D.W.	11/29/89	SOLID	199	90	11.4	109626-01	C-753-A	Unknown	TM
	-1	16458	CAS-15347	CS	PPE/PLASTIC	12/4/89	SOLID	176	80	11.4	109626-01	C-753-A	Unknown	TM
	-1	16458	CAS-15350	CS	PPE/PLASTIC; PHASE I - I.D.W.	12/9/89	SOLID	118	54	11.4	109626-05	C-753-A	Unknown	TM
	-1	16458	CAS-15351	CS	PPE/PLASTIC	12/11/89	SOLID	178	81	11.4	109626-02	C-753-A	Unknown	TM
	-1	16458	CAS-15352	CS	PPE/PLASTIC; PHASE I - I.D.W.	12/13/89	SOLID	150	68	11.4	109626-05	C-753-A	Unknown	TM
	-1	16458	CAS-15353	CS	PPE/PLASTICPAPER/LEATHER GLOVES/SURGICALS	1/18/90	SOLID	119	54	7.4	109626-01	C-753-A	Unknown	TM
	-1	16458	CAS-15354	CS	PPE/PLASTIC; PHASE I - I.D.W.	2/1/90	SOLID	231	105	11.4	109626-05	C-753-A	Unknown	TM
	-1	16458	CAS-15355	CS	PPE/PLASTIC; PHASE I - I.D.W.	1/31/90	SOLID	110	50	7.4	109626-01	C-753-A	Unknown	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	16458	CAS-15356	CS	PPE/PLASTIC	8/22/90	SOLID	82	37	7.4	109626-02	C-753-A	Unknown	TM
	-1	16458	CAS-15357	CS	PPE/PLASTIC	8/22/90	SOLID	116	53	7.4	109626-01	C-753-A	Unknown	TM
	-1	16458	CAS-15358	CS	PPE/PLASTIC	8/22/90	SOLID	118	54	7.4	109626-02	C-753-A	Unknown	TM
	-1	16458	CAS-15359	CS	PPE/PLASTIC	8/22/90	SOLID	131	59	7.4	109626-05	C-753-A	Unknown	TM
	-1	16459	CAS-15360	CS	VERMICULITE/PLASTIC DEBRIS; PHASE I IDW LAB RESIDUALS / SOLIDS	12/12/89	SOLID	214	97	11.4	108248-01	C-753-A	Unknown	TM
	-1	16459	CAS-15363	CS	CARDBOARD/PLASTIC DEBRIS	5/17/90	SOLID	75	34	7.4	109626-02	C-753-A	Unknown	TM
	-1	16459	CAS-15364	CS	CARDBOARD/VERMICULITE	9/13/90	SOLID	130	59	7.4	109626-02	C-753-A	Unknown	TM
	-1	16459	CAS-15370	CS	PLASTIC DEBRIS; LAB RESIDUALS	9/13/90	SOLID	109	49	7.4	108248-01	C-753-A	Unknown	TM
	-1	8686	CAS-15402	CS	PADS (SPILL PCB-291)	5/9/92	SOLID	241	109	11.4	120108-10	C-753-A	C-537	TM
	-1	18322	CAS-15422	CS	TYVEK SUITS	5/10/91	SOLID	74	34	7.4	109626-02	C-753-A	C-746-A	TM
	-1	18315	CAS-15442	CS	PAPER/ZORBALL/FLAGGING/RAG/ METAL	7/8/92	SOLID	285	129	11.4	120108-10	C-753-A	C-746-A	TM
	-1	23280	CAS-15448	CS	PPE/PLASTIC	7/1/91	SOLID	191	87	7.4	109626-02	C-753-A	C-400	TM
	-1	4474	CAS-15468	CS	CRUSHED DRUMS/ABSORBENTS	7/9/92	SOLID	208	94	11.4	120108-07	C-753-A	C-331	TM
	-1	27043	CAS-15477	CS	RAGS/PANS/PPE/PLASTIC/5-GAL DRUM	7/16/92	SOLID	169	77	11.4	109627-01	C-753-A	C-540	TM
	-1	17636	CAS-15540	CS	TYVEK/PAPER/PLASTIC/GLOVES/ GLASS	4/3/92	SOLID	184	83	11.4	109627-01	C-753-A	C-746-A	TM
	-1	21651	CAS-15548	CS	PPE/PLASTIC/SHOVEL/FLAGGING/ PANS	1/8/92	SOLID	101	46	7.4	109627-02	C-753-A	C-337	TM
	-1	17735	CAS-15564	CS	WOOD PALLET/PLASTIC	9/16/92	SOLID	251	114	11.4	109654-01	C-753-A	C-746-A	TM
	-1	32358	CAS-15597	CS	PPE/RAGS/PADS/PLASTIC	3/25/92	SOLID	168	76	11.4	109627-01	C-753-A	C-720	TM
	-1	17642	CAS-15603	CS	SAMPLING DEBRIS	10/1/92	SOLID	203	92	11.4	108248-01	C-753-A	C-746-A	TM
	-1	17642	CAS-15614	CS	SAMPLING DEBRIS	9/18/92	SOLID	181	82	11.4	108248-01	C-753-A	C-746-A	TM
	-1	21697	CAS-15660	CS	PADS/PPE/PANS/PIGS/CARDBOAR D	2/11/92	SOLID	108	49	7.4	109627-02	C-753-A	C-337	TM
	-1	21672	CAS-15661	CS	PADS/RAGS/PIGS	2/16/92	SOLID	135	61	7.4	120108-07	C-753-A	C-337	TM
	-1	24393	CAS-15688	CS	GASKET/PLASTIC/ABSORBENT	7/28/92	SOLID	198	90	11.4	120108-07	C-753-A	C-337	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	17647	CAS-15709	CS	SAMPLING DEBRIS	10/23/92	SOLID	166	75	11.4	108248-01	C-753-A	C-710	TM
	-1	27008	CAS-15738	CS	OILY RAGS/ABSORBENTS	4/24/92	SOLID	181	82	11.4	120108-10	C-753-A	Unknown	TM
	-1	32326	CAS-15794	CS	SAMPLING DEBRIS-PAPER/PPE/GLASS	1/15/93	SOLID	175	79	11.4	108248-01	C-753-A	C-746-A	TM
	-1	29322	CAS-15925	CS	PPE/METAL	2/12/93	SOLID	116	53	7.4	109627-02	C-753-A	C-746-A	TM
	-1	32344	CAS-15934	CS	TYVEK/PAPER/PLASTIC/GLOVES/GLASS	3/8/93	SOLID	87	39	7.4	109626-05	C-753-A	C-746-A	TM
	-1	23604	CAS-15935	CS	PPE/RAGS/PLASTIC	3/10/93	SOLID	163	74	7.4	109626-02	C-753-A	C-712	TM
	-1	32346	CAS-15945	CS	TYVEK/PAPER/GLOVES/GLASS	3/22/93	SOLID	143	65	7.4	109627-02	C-753-A	C-746-A	TM
	-1	31676	CAS-15946	CS	PALLETS/PLASTIC	10/14/92	SOLID	257	117	11.4	109654-01	C-753-A	C-746-A	TM
	-1	31677	CAS-15947	CS	PPE/RAGS/PLASTIC	3/23/93	SOLID	103	47	7.4	109626-04	C-753-A	C-746-A	TM
	-1	31679	CAS-15949	CS	WOOD PALLETS FROM SPILLS	3/25/93	SOLID	166	75	7.4	109654-01	C-753-A	C-746-A	TM
	-1	30426	CAS-15977	CS	PPE/RAGS	4/17/93	SOLID	112	51	7.4	109627-02	C-753-A	C-746-A	TM
	-1	7160	CAS-16007	CS	TRASH (PLASTIC)	2/6/90	SOLID	113	51	7.4	109626-01	C-753-A	C-746-B	TM
	-1	31689	CAS-16010	CS	ZORBALL & ZORBALL BAGS	3/16/93	SOLID	134	61	7.4	120108-10	C-753-A	C-746-A	TM
	-1	38162	CAS-16013	CS	WOODEN PALLET FROM SPILL CLEANUP	5/10/93	SOLID	176	80	7.4	109654-01	C-753-A	C-746-A	TM
	-1	35000	CAS-16297	CS	ABSORBENT PADS	6/6/93	SOLID	157	71	7.4	120108-10	C-753-A	C-537	TM
	-1	32285	CAS-16478	CS	SAMPLING DEBRIS (GLASS/PPE/GLOVE	6/22/93	SOLID	119	54	7.4	109627-01	C-753-A	C-746-A	TM
	-1	34715	CAS-16555	CS	PPE/RAGS/ABSORBENTS/PLASTIC	9/7/93	SOLID	121	55	7.4	120108-10	C-753-A	C-746-A	TM
	-1	38166	CAS-16560	CS	PCB HOSE/MISC PPE/PAPER/CLOTH	9/10/93	SOLID	151	68	7.4	109627-01	C-753-A	C-746-A	TM
	-1	34722	CAS-16604	CS	PALLETS	10/22/93	SOLID	180	82	7.4	109654-01	C-753-A	C-746-A	TM
	-1	34722	CAS-16605	CS	PALLETS	10/22/93	SOLID	167	76	7.4	109654-01	C-753-A	C-746-A	TM
	-1	34722	CAS-16606	CS	PALLETS	10/22/93	SOLID	169	77	7.4	109654-01	C-753-A	C-746-A	TM
	-1	34722	CAS-16607	CS	PALLETS	10/22/93	SOLID	162	73	7.4	109654-01	C-753-A	C-746-A	TM
	-1	34722	CAS-16608	CS	PALLETS	10/22/93	SOLID	163	74	7.4	109654-01	C-753-A	C-746-A	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	35706	CAS-16630	CS	URANIUM CONTAM SOLID LAB	8/24/93	SOLID	186	84	7.4	109631-01	C-753-A	C-409	TM
	-1	34921	CAS-16647	CS	PPE/RAGS/RUBBER HOSES/SCRUB PADS	3/24/93	SOLID	140	64	7.4	109626-02	C-753-A	C-400	TM
	-1	41367	CAS-16674	CS	PALLETS (FROM SPILL)	11/22/93	SOLID	211	96	7.4	109654-01	C-753-A	C-746-A	TM
	-1	36988	CAS-16677	CS	PPE/RAGS/ROPE/PLASTIC	11/4/93	SOLID	125	57	7.4	109627-01	C-753-A	C-340	TM
	-1	39104	CAS-16681	CS	PLASTIC/PALLETS (PCB SPILL)	12/2/93	SOLID	158	72	7.4	109654-01	C-753-A	C-746-B	TM
	-1	41133	CAS-16689	CS	RAGS/SCRUBBERS/PPE	12/13/93	SOLID	136	62	7.4	109627-02	C-753-A	C-340	TM
	-1	41137	CAS-16690	CS	PPE/RAGS/PIGS/PADS/SCRUBBERS	12/14/93	SOLID	140	64	7.4	109627-02	C-753-A	C-340	TM
	-1	37302	CAS-16733	CS	PVC PIPE	5/25/93	SOLID	205	93	7.4	117267-01	PGDP	C-333	TM
	-1	37306	CAS-16741	CS	PVC PIPE/OIL ABSORBENT PADS	6/14/93	SOLID	135	61	7.4	120108-07	C-753-A	C-333	TM
	-1	37307	CAS-16742	CS	PVC PIPE/OIL ABSORBENT PADS	6/15/93	SOLID	120	54	7.4	120108-07	C-753-A	C-333	TM
	-1	37308	CAS-16745	CS	PVC PIPE/OIL ABSORBENT PADS	6/18/93	SOLID	136	62	7.4	120108-07	C-753-A	C-333	TM
	-1	37320	CAS-16754	CS	PVC PIPE (OILY PIPE W/PADS)	7/13/93	SOLID	172	78	7.4	120108-07	C-753-A	C-333	TM
	-1	41158	CAS-16922	CS	PPE/RAGS/SCRUBBERS	1/6/94	SOLID	83	38	7.4	109626-04	C-753-A	C-340	TM
	-1	36764	CAS-17029	CS	PLYWOOD FROM STORAGE DIKES	2/25/94	SOLID	130	59	7.4	109654-01	C-753-A	C-337	TM
	-1	36764	CAS-17030	CS	PLYWOOD FROM STORAGE DIKES	2/25/94	SOLID	194	88	7.4	109654-01	C-753-A	C-337	TM
	-1	36764	CAS-17031	CS	PLYWOOD FROM STORAGE DIKES	2/25/94	SOLID	161	73	7.4	109654-01	C-753-A	C-337	TM
	-1	36764	CAS-17032	CS	PLYWOOD/PLASTIC	2/25/94	SOLID	163	74	7.4	109654-01	C-753-A	C-337	TM
	-1	36764	CAS-17033	CS	PLYWOOD/PLASTIC	2/25/94	SOLID	156	71	7.4	109654-01	C-753-A	C-337	TM
	-1	36764	CAS-17034	CS	PLYWOOD/PLASTIC	2/25/94	SOLID	100	45	7.4	109654-01	C-753-A	C-337	TM
	-1	39141	CAS-17036	CS	PLYWOOD FROM STORAGE DIKES	3/1/94	SOLID	83	38	7.4	109654-01	C-753-A	C-337	TM
	-1	41164	CAS-17046	CS	PPE/RAGS	1/31/94	SOLID	190	86	7.4	109627-01	C-753-A	C-340	TM
	-1	31254	CAS-17067	CS	PPE/PLASTIC/RAGS	4/13/93	SOLID	68	31	7.4	109626-02	C-753-A	C-337	TM
	-1	40085	CAS-17100	CS	PPE/PLASTIC/METAL	10/8/93	SOLID	84	38	7.4	109626-04	C-753-A	C-337	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	41166	CAS-17111	CS	PPE/RAGS/PADS/METAL SHAVINGS	2/25/94	SOLID	148	67	7.4	109627-02	C-753-A	C-340	TM
	-1	32237	CAS-17116	CS	SAMPLING DEBRIS,(PPE,MATS,RAGS)	10/13/93	SOLID	99	45	7.4	108248-01	C-753-A	C-746-A	TM
	-1	32240	CAS-17117	CS	SAMPLING DEBRIS	12/13/93	SOLID	118	54	7.4	108248-01	C-753-A	C-746-A	TM
	-1	39144	CAS-17118	CS	PPE, PAPER	4/11/94	SOLID	89	40	7.4	109626-04	C-753-A	C-746-A	TM
	-1	37282	CAS-17257	CS	PPE & PLASTIC SHEETING	5/3/94	SOLID	152	69	7.4	109627-01	C-753-A	C-750-C	TM
	-1	37282	CAS-17258	CS	PPE & PLASTIC SHEETING	5/3/94	SOLID	92	42	7.4	109627-02	C-753-A	C-750-C	TM
	-1	37282	CAS-17259	CS	PPE & PLASTIC SHEETING	5/3/94	SOLID	135	61	7.4	109626-04	C-753-A	C-750-C	TM
	-1	37282	CAS-17261	CS	PPE & PLASTIC SHEETING	5/3/94	SOLID	180	82	7.4	109626-04	C-753-A	C-750-C	TM
	-1	37282	CAS-17262	CS	PPE & PLASTIC SHEETING	5/3/94	SOLID	113	51	7.4	109626-04	C-753-A	C-750-C	TM
	-1	37282	CAS-17263	CS	PPE & PLASTIC SHEETING	5/3/94	SOLID	118	54	7.4	109626-04	C-753-A	C-750-C	TM
	-1	37282	CAS-17264	CS	PPE & PLASTIC SHEETING	5/3/94	SOLID	123	56	7.4	109626-05	C-753-A	C-750-C	TM
	-1	37282	CAS-17265	CS	PPE & PLASTIC SHEETING	5/3/94	SOLID	163	74	7.4	109627-02	C-753-A	C-750-C	TM
	-1	39500	CAS-17266	CS	PPE/OIL SOAKED RAGS	5/3/94	SOLID	100	45	7.4	109626-02	C-753-A	C-750-C	TM
	-1	36367	CAS-17301	CS	PAPER/PLASTIC/GLASS	4/15/94	SOLID	112	51	7.4	109626-04	C-753-A	C-746-A	TM
	-1	29875	CAS-17308	CS	DEBRIS & TRASH	6/2/94	SOLID	87	39	7.4	109627-01	C-753-A	C-631	TM
	-1	33776	CAS-17333	CS	PPE/RAGS/PLASTIC	6/7/94	SOLID	87	39	7.4	109626-02	C-753-A	C-340	TM
	-1	40151	CAS-17396	CS	PPE/PLASTIC	6/10/94	SOLID	71	32	7.4	109626-05	C-753-A	C-635	TM
	-1	41196	CAS-17401	CS	RAGS/PAPER/PADS	5/12/94	SOLID	12	5	0.67	120108-09	C-753-A	C-340	TM
	-1	41177	CAS-17402	CS	PPE/PADS	3/10/94	SOLID	136	62	7.4	109626-02	C-753-A	C-340	TM
	-1	41194	CAS-17403	CS	PPE/RAGS	4/13/94	SOLID	95	43	4	109626-04	C-753-A	C-340	TM
	-1	42602	CAS-17427	CS	PPE FROM POLE T6-18,19,20	7/27/94	SOLID	110	50	7.4	109627-01	C-753-A	C-331	TM
	-1	42602	CAS-17428	CS	PPE FROM POLE T6-18,19,20	7/27/94	SOLID	96	44	7.4	109627-02	C-753-A	C-331	TM
	-1	28997	CAS-17446	CS	PAPER/PLASTIC/TRASH	7/12/94	SOLID	164	74	7.4	109626-01	C-753-A	C-720	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	41156	CAS-17453	CS	PPE/RAGS/VACUUM DUST	1/21/94	SOLID	161	73	7.4	109627-02	C-753-A	C-335	TM
	-1	45876	CAS-17454	CS	FLOOR SWEEP	6/17/94	SOLID	388	176	7.4	120108-06	C-753-A	C-333	TM
	-1	45876	CAS-17455	CS	FLOOR SWEEP	6/14/94	SOLID	395	179	7.4	120108-06	C-753-A	C-333	TM
	-1	42278	CAS-17459	CS	ACTIVATED CARBON FILTERS	9/7/94	SOLID	698	317	11.4	121302-01	C-746-A	C-400	TM
	-1	42278	CAS-17460	CS	ACTIVATED CARBON FILTERS	9/7/94	SOLID	511	232	11.4	121302-01	C-746-A	C-400	TM
	-1	36380	CAS-17474	CS	SAMPLE DEBRIS	5/19/94	SOLID	104	47	7.4	108248-01	C-753-A	C-746-A	TM
	-1	41211	CAS-17476	CS	PADS/RAGS	5/18/94	SOLID	11	5	0.67	120108-09	C-753-A	C-340	TM
	-1	35113	CAS-17500	CS	PPE	11/22/94	SOLID	108	49	7.4	109626-04	C-753-A	C-633	TM
	-1	35113	CAS-17501	CS	PPE/GREASE	11/23/94	SOLID	187	85	7.4	109627-01	C-753-A	C-633	TM
	-1	35113	CAS-17504	CS	PPE/MOP/RAGS	11/29/94	SOLID	157	71	4	109627-01	C-753-A	C-633	TM
	-1	41602	CAS-17506	CS	PPE/PADS/ELECTRIC PARTS	9/9/94	SOLID	134	61	7.4	109626-05	C-753-A	C-335	TM
	-1	35116	CAS-17516	CS	PPE/PLASTIC/RAGS	12/16/94	SOLID	119	54	7.4	109627-01	C-753-A	C-633	TM
	-1	34000	CAS-17518	CS	PPE/RAGS	3/16/94	SOLID	112	51	7.4	109627-02	C-753-A	C-331	TM
	-1	37887	CAS-17530	CS	PPE/RAGS	6/9/94	SOLID	157	71	7.4	109626-04	C-753-A	C-746-A	TM
	-1	37885	CAS-17531	CS	PPE/PAPER/PLASTIC/RAGS	1/9/95	SOLID	125	57	7.4	109627-02	C-753-A	C-746-A	TM
	-1	45043	CAS-17537	CS	PPE/RAGS	10/7/94	SOLID	100	45	7.4	109627-01	C-753-A	C-410	TM
	-1	45652	CAS-17544	CS	TYVEK SUITS/PLASTIC	1/31/95	SOLID	66	30	7.4	109627-02	C-753-A	C-540	TM
	-1	45652	CAS-17545	CS	TYVEK SUITS	1/31/95	SOLID	85	39	7.4	109627-01	C-753-A	C-540	TM
	-1	36399	CAS-17551	CS	PPE/COLIWASAS/GLOVES	11/17/94	SOLID	119	54	7.4	109626-04	C-753-A	C-746-A	TM
	-1	32310	CAS-17652	CS	SAMPLING DEBRIS:TYVEK/GLOVES/RAG	6/20/94	SOLID	115	52	7.4	109627-01	C-753-A	C-746-A	TM
	-1	32312	CAS-17653	CS	SAMPLING DEBRIS	6/29/94	SOLID	112	51	7.4	108248-01	C-753-A	C-746-A	TM
	-1	36377	CAS-17654	CS	PPE/PAPER	5/11/94	SOLID	92	42	7.4	109626-04	C-753-A	C-746-A	TM
	-1	36368	CAS-17655	CS	SAMPLING DEBRIS	4/18/94	SOLID	92	42	7.4	108248-01	C-753-A	C-746-A	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	36479	CAS-17657	CS	SAMPLING DEBRIS	10/17/94	SOLID	105	48	7.4	108248-01	C-753-A	C-746-A	TM
	-1	45044	CAS-17665	CS	RAGS/PPE/PLASTIC	3/31/94	SOLID	112	51	7.4	109626-05	C-753-A	C-410	TM
	-1	45042	CAS-17667	CS	GREASE TYPE MATERIAL DRUM WAS DETERMINED **EMPTY** ON 05/05/09.	11/30/94	SOLID	7	3	0.67	EMPTY DRUM	C-752-A	C-410	TM
	-1	36361	CAS-17671	CS	PPE/PLASTIC/SAMPLING DEBRIS	3/28/94	SOLID	112	51	7.4	109626-04	C-753-A	C-746-A	TM
	-1	47654	CAS-17673	CS	RAGS/PPE	1/18/95	SOLID	109	49	7.4	109627-02	C-753-A	C-340	TM
	-1	47654	CAS-17675	CS	RAGS	2/17/95	SOLID	102	46	7.4	109626-04	C-753-A	C-340	TM
	-1	47654	CAS-17676	CS	RAGS	2/17/95	SOLID	126	57	7.4	109627-01	C-753-A	C-340	TM
	-1	41621	CAS-17692	CS	WOOD PIECES	11/22/94	SOLID	141	64	7.4	109654-01	C-753-A	C-335	TM
	-1	41621	CAS-17693	CS	WOOD PIECES	11/22/94	SOLID	119	54	7.4	109654-01	C-753-A	C-335	TM
	-1	33046	CAS-17707	CS	PPE/PLASTIC/GLASS	6/9/94	SOLID	105	48	7.4	109627-01	C-753-A	C-337	TM
	-1	33053	CAS-17709	CS	PPE/PLASTIC/PADS	8/24/94	SOLID	94	43	7.4	109626-05	C-753-A	C-337	TM
	-1	34240	CAS-17717	CS	PPE/PVC/METAL	5/11/94	SOLID	101	46	7.4	109626-04	C-753-A	C-333	TM
	-1	33084	CAS-17740	CS	PPE/PADS	8/8/94	SOLID	93	42	7.4	109627-01	C-753-A	C-333	TM
	-1	38418	CAS-17745	CS	PPE/PLASTIC BOTTLES/PADS	8/29/94	SOLID	98	44	7.4	109627-01	C-753-A	C-337	TM
	-1	33054	CAS-17746	CS	PPE/RAGS/METAL	10/10/94	SOLID	97	44	7.4	109627-02	C-753-A	C-337	TM
	-1	38364	CAS-17757	CS	PPE/PADS/SAW BLADE/FITTINGS	10/18/94	SOLID	111	50	7.4	109627-01	C-753-A	C-337	TM
	-1	45986	CAS-17773	CS	PPE/ABSORBENTS	1/31/95	SOLID	135	61	7.4	120108-10	C-753-A	C-746-A	TM
	-1	42692	CAS-17858	CS	PPE	2/20/95	SOLID	174	79	7.4	109627-01	C-753-A	C-337	TM
	-1	42692	CAS-17864	CS	PPE	3/4/95	SOLID	128	58	7.4	109627-01	C-753-A	C-337	TM
	-1	42692	CAS-17865	CS	PPE	3/4/95	SOLID	178	81	7.4	109627-01	C-753-A	C-337	TM

Table B.2. Adjustments for 2009 (Continued)

ADDED TO INVENTORY	REMOVED FROM INVENTORY	RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	DESTINATION WID	CURRENT FACILITY	SOURCE	WASTE CATEGORY
	-1	42692	CAS-17866	CS	PPE	3/4/95	SOLID	164	74	7.4	109627-01	C-753-A	C-337	TM
	-1	42692	CAS-17867	CS	PPE	3/7/95	SOLID	113	51	7.4	109627-01	C-753-A	C-337	TM
	-1	32248	CAS-18007	CS	SAMPLINGS DEBRIS	2/1/94	SOLID	109	49	7.4	108248-01	C-753-A	C-746-A	TM
	-1	32324	CAS-18009	CS	RAD DEBRIS	10/21/94	SOLID	102	46	7.4	108248-01	C-753-A	C-746-A	TM
	-1	33059	CAS-18016	CS	PPE/PLASTIC/PADS	12/20/94	SOLID	94	43	7.4	109626-05	C-753-A	C-337	TM
	-1	45991	CAS-18025	CS	WOOD/PLASTIC	5/4/95	SOLID	112	51	7.4	109654-01	C-753-A	C-746-A	TM
	-1	49302	CAS-18083	CS	PPE FROM VAULT	6/29/95	SOLID	99	45	7.4	109626-01	C-753-A	C-400	TM
	-1	46048	CAS-18097	CS	WOOD/PLASTIC	9/14/95	SOLID	134	61	7.4	109654-01	C-753-A	C-746-A	TM
	-1	50329	CAS-18098	CS	PPE/SOLID WASTE	3/13/95	SOLID	123	56	7.4	109627-01	C-753-A	C-410	TM
	-1	50332	CAS-18099	CS	OILY RAGS/PPE/PLASTIC	5/9/95	SOLID	114	52	7.4	109626-05	C-753-A	C-410	TM
	-1	50326	CAS-18100	CS	OILY RAGS/SCRUB PADS	3/14/95	SOLID	225	102	7.4	120108-10	C-753-A	C-410	TM
	-1	50328	CAS-18102	CS	OILY RAGS/PPE	4/28/95	SOLID	139	63	7.4	109626-05	C-753-A	C-410	TM
	-1	50331	CAS-18103	CS	OILY RAGS	2/6/95	SOLID	196	89	7.4	120108-10	C-753-A	C-410	TM
	-1	49304	CAS-18119	CS	PPE/RAGS/PLASTIC/PAPER	9/20/95	SOLID	123	56	7.4	109626-01	C-753-A	C-400	TM
	-1	51340	CAS-18127	CS	PPE/RAGS/RUBBER	9/8/95	SOLID	94	43	7.4	109626-04	C-753-A	C-746-A	TM
1		14884	CASX-17293	CS	FLOOR SWEEP	5/24/91	SOLID	239	108	7.4		C-746-A	C-400	TM
1		14884	CASX-17294	CS	FLOOR SWEEP	5/24/91	SOLID	214	97	7.4		C-746-A	C-400	TM
1		14884	CASX-17295	CS	FLOOR SWEEP	5/24/91	SOLID	300	136	7.4		C-746-A	C-400	TM
1		47675	CASX-18077	CS	FLOOR SWEEP	3/29/95	SOLID	355	161	7.4		C-753-A	C-340	TM
1		50346	CASX-18109	CS	FLOOR SWEEP	9/6/95	SOLID	132	60	7.4		C-746-A	C-410	TM
1		50346	CASX-18110	CS	FLOOR SWEEP	9/6/95	SOLID	133	60	7.4		C-746-A	C-410	TM
1		665	HC-0699	CS	VACUUM DUST	7/24/89	SOLID	228	103	7.4		C-746-Q	C-337	TM
	-1	7273	HC-2001	CS	ABSORBENT PADS	6/12/90	SOLID	85	39	7.4	120108-08	C-753-A	C-310	TM
96	**-1124**	**Total Net Change:**		**-1028**										

NOTE: The majority of items with older PCB start dates were declared PCB during 2009 based on sampling and/or characterization results but the item's original generation date was used as the PCB start date; Also some newly generated lab residual returns and spill cleanup debris were mistakenly given old start dates from the original drum instead of 2009 dates.

Table B.2. Adjustments for 2009 (Continued)

SUMMARY OF ADJUSTMENTS FOR 2009				
TOTAL ADDED TO INVENTORY	**TOTAL REMOVED FROM INVENTORY**	**NET CHANGE**	**PCB ITEM**	**PCB ITEM DESCRIPTION**
0	0	0	A	Articles
11	-68	-57	AC	Article Containers
0	0	0	B	Bulk Liquids (tankers)
17	-8	9	CL	Containers of liquids
68	-1048	-980	CS	Containers of solids
96	**-1124**	**-1028**		**NET CHANGES**

Table B.3. 2009 PCB Beginning Inventory

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
A	106744	106744-01	11/7/2005	U2C3 "B" TRANSFORMER - DRAINED (OIL TO 108567 1370 GAL) (GE S/N B983126)	1297	15649	34500	C-337	TM
	107839	107839-01	6/27/2004	FAULTED UNIT 2 CELL 8 B TRANSFORMER. OIL EMPTIED IN DRUMS (RFD 108597).	1440	17237	38000	C-337	TM
AC	103244	103244-01	1/10/2001	PCB CONTAMINATED LIGHT BALLAST	7.4	371	817.999	C-710	TM
	107431	107431-01	11/5/1990	COLLECTION CONTAINERS FOR TRANSFORMERS FROM THE 08PCBTHERM-01 PROJECT.	7.4	238	524	C-753-A	TM
	107431	107431-02	11/5/1990	COLLECTION CONTAINERS FOR TRANSFORMERS FROM THE 08PCBTHERM-01 PROJECT.	7.4	313	690	C-753-A	TM
	107851	107851-01	1/13/2005	CURRENT LIMITING TRANSFORMER (10" DIAM X 12" LENGTH). NO INFORMATION PRESENT TO DETERMINE "NO PCB" STATUS. NO SOURCE INFORMATION COULD BE LOCATED FRO	4	34	75	C-757	TM
	107854	107854-01	8/1/2000	SMALL PCB TRANSFORMER AND RAGS	1	9	20	C-720	TM
	107854	107854-02	10/11/2001	SMALL PCB TRANSFORMER AND RAGS	1	9	20	C-720	TM
	108951	108951-01	5/29/2007	EXCESS PCB EQUIPMENT (PUMPS, HOSES, FILTERS, ETC...). NO FREE LIQUIDS - ABSORBENT PADS PRESENT IN CONTAINERS. EQUIPMENT USED BY ELECTRICAL MAINTENANCE ON PCB SYSTEMS.	90	771	1700	ENERGYSOL	TM
	108951	108951-02	5/29/2007	EXCESS PCB EQUIPMENT (PUMPS, HOSES, FILTERS, ETC...). NO FREE LIQUIDS - ABSORBENT PADS PRESENT IN CONTAINERS. EQUIPMENT USED BY ELECTRICAL MAINTENANCE ON PCB SYSTEMS.	96	1113	2454	ENERGYSOL	TM
	108951	108951-03	5/29/2007	EXCESS PCB EQUIPMENT (PUMPS, HOSES, FILTERS, ETC...). NO FREE LIQUIDS - ABSORBENT PADS PRESENT IN CONTAINERS. EQUIPMENT USED BY ELECTRICAL MAINTENANCE ON PCB SYSTEMS.	90	648	1428	ENERGYSOL	TM
	108991	108991-01	3/13/2008	PCB BALLAST DTS 3/13/08	7.4	260	574	C-753-A	TM
	108992	108992-01	3/3/2008	PCB BALLAST DTS 03-03-08	7.4	233	513	C-753-A	TM
	11551	CAS-10042	2/22/1990	FILTERS FROM FLOOR SWEEPER	7.4	40	89	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
AC	116193	116193-01	5/17/2005	DMSA potential PCB oil-filled potential transformers	4	54	120	DMSA GSA	TM
	116300	116300-01	5/17/2005	OIL-FILLED TRANSFORMERS	7.4	68	149	C-753-A	TM
	116478	116478-01	1/4/2005	DMSA PCB/RCRA small capacitors - leaking	1	2	5	DMSA GSA	RTM
	117052	117052-01	10/16/2008	PCB small capacitors	67.3	4	8	DMSA	TM
	118331	118331-01	10/28/2008	PCB AND PCB CONTAMINATED CAPACITORS, FROM PCB 811 (G-333-PCB811) AT C-333 U1 C1 B-CABINET. DTS 10/27/08	7.4	118	261	C-753-A	TM
	118331	118331-02	10/28/2008	PCB AND PCB CONTAMINATED CAPACITORS, FROM PCB 811 (G-333-PCB811) AT C-333 U1 C1 B-CABINET. DTS 10/27/08	7.4	118	260	C-753-A	TM
	118331	118331-03	10/29/2008	PCB AND PCB CONTAMINATED CAPACITORS, FROM PCB 811 (G-333-PCB811) AT C-333 U1 C1 B-CABINET. DTS 10/27/08	7.4	95	210	C-753-A	TM
	118331	118331-04	10/29/2008	PCB AND PCB CONTAMINATED CAPACITORS, FROM PCB 811 (G-333-PCB811) AT C-333 U1 C1 B-CABINET. DTS 10/27/08	7.4	110	243	C-753-A	TM
	118331	118331-05	10/29/2008	PCB AND PCB CONTAMINATED CAPACITORS, FROM PCB 811 (G-333-PCB811) AT C-333 U1 C1 B-CABINET. DTS 10/27/08	7.4	112	246	C-753-A	TM
	118334	118334-01	12/17/2008	PCB CAPACITORS, C333 U4 C9. DTS 12-17-08	90	2963	6532	C-753-A	TM
	118356	118356-01	7/24/2008	PCB CAPACITORS (U4C2A) DTS 7/24/08	7.4	124	274	C-753-A	TM
	118356	118356-02	7/24/2008	PCB CAPACITORS (U4C2A) DTS 7/24/08	7.4	161	354	C-753-A	TM
	118356	118356-03	7/24/2008	PCB CAPACITORS (U4C2A) DTS 7/24/08	90	2846	6274	C-753-A	TM
	118367	118367-01	12/6/2008	PCB BALLAST DTS 12-6-08	7.4	295	651	C-753-A	TM
	22008	CAS-08368	10/21/1989	VOLTAGE REGULATOR/PLASTIC	7.4	97	213	C-753-A	TM
	31798	CAS-16659	9/25/1993	POTENTIAL TRANSFORMERS	7.4	267	589	C-753-A	TM
	31798	CAS-16660	9/25/1993	POTENTIAL TRANSFORMERS	7.4	230	508	C-753-A	TM
	31798	CAS-16661	9/25/1993	POTENTIAL TRANSFORMERS	7.4	229	505	C-753-A	TM
	31798	CAS-16662	9/25/1993	POTENTIAL TRANSFORMERS	7.4	230	507	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
AC	31798	CAS-16663	9/25/1993	POTENTIAL TRANSFORMERS	7.4	230	508	C-753-A	TM
	31798	CAS-16664	9/28/1993	POTENTIAL TRANSFORMERS	7.4	230	507	C-753-A	TM
	31798	CAS-16665	9/28/1993	POTENTIAL TRANSFORMERS	7.4	231	510	C-753-A	TM
	31798	CAS-16666	9/28/1993	POTENTIAL TRANSFORMERS	7.4	230	508	C-753-A	TM
	31798	CAS-16667	9/30/1993	POTENTIAL TRANSFORMERS	7.4	232	511	C-753-A	TM
	31798	CAS-16668	9/30/1993	POTENTIAL TRANSFORMERS	7.4	206	454	C-753-A	TM
	31798	CAS-16669	10/7/1993	POTENTIAL TRANSFORMERS	7.4	230	506	C-753-A	TM
	31798	CAS-16670	10/7/1993	POTENTIAL TRANSFORMERS	7.4	229	504	C-753-A	TM
	31798	CAS-16671	10/7/1993	POTENTIAL TRANSFORMERS	7.4	230	507	C-753-A	TM
	31798	CAS-16672	10/7/1993	POTENTIAL TRANSFORMERS	7.4	103	228	C-753-A	TM
	35012	CAS-16227	5/24/1993	FREQ. RESP. UNITS/SIGNAL FILTERS	7.4	130	287	C-753-A	TM
	35077	CAS-17290	4/28/1994	VACUUM CLEANER, HOSES, GLOVES	7.4	65	144	C-753-A	TM
	36248	CAS-16563	9/15/1993	POTENTIAL TRANSFORMERS	7.4	180	397	C-753-A	TM
	36248	CAS-16564	9/20/1993	POTENTIAL TRANSFORMERS	7.4	234	516	C-753-A	TM
	40091	CAS-16651	10/11/1993	POTENTIAL TRANSFORMERS	7.4	125	276	C-753-A	TM
	40093	CAS-17069	11/15/1993	POTENTIAL TRANSFORMERS	7.4	125	276	C-753-A	TM
	41103	CAS-16652	9/20/1993	POTENTIAL TRANSFORMERS	7.4	242	534	C-753-A	TM
	41103	CAS-16653	9/20/1993	POTENTIAL TRANSFORMERS	7.4	240	530	C-753-A	TM
	41103	CAS-16654	9/20/1993	POTENTIAL TRANSFORMERS	7.4	220	484	C-753-A	TM
	41103	CAS-16655	9/21/1993	POTENTIAL TRANSFORMERS	7.4	214	472	C-753-A	TM
	41103	CAS-16656	9/21/1993	POTENTIAL TRANSFORMERS	7.4	194	428	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
AC	41103	CAS-16657	9/25/1993	POTENTIAL TRANSFORMERS	7.4	218	480	C-753-A	TM
	41103	CAS-16658	9/25/1993	POTENTIAL TRANSFORMERS	7.4	100	220	C-753-A	TM
	41640	CAS-17508	10/3/1994	SMALL TRANSFORMERS	7.4	188	414	C-753-A	TM
	41643	CAS-17510	10/4/1994	SMALL TRANSFORMERS	7.4	156	345	C-753-A	TM
	45033	CAS-17666	9/28/1994	TRANSFORMERS	7.4	73	162	C-753-A	TM
	54611	54611-01	10/3/1995	TRANSFORMERS (SMALL)	7.4	87	191	C-753-A	TM
	6749	CAS-09602	11/3/1989	FILTERS/RAGS/TRASH	7.4	57	126	C-753-A	TM
	6749	CAS-09725	11/3/1989	FILTERS/RAGS/TRASH	7.4	55	122	C-753-A	TM
	8377	CAS-08736	8/28/1989	SMALL TRANSF ON POWER SUPPLY	7.4	58	127	C-753-A	TM
	8473	CAS-09826	1/31/1990	OILY RAGS/FILTERS/HOSES	7.4	101	223	C-753-A	TM
CL	101680	101680-01	3/25/1999	SOLVENT/PCB CONTAMINATED OIL	0.67	9	20	C-710	RTM
	103216	103216-01	1/14/1999	PCB/RAD RCRA HAZARDOUS ACETONE/HEXANES LIQUID WASTE.	0.67	20	42.999	C-710	RTM
	103220	103220-01	2/29/2000	RCRA / PCB LIQUID LAB WASTE.	0.67	1	2	C-710	RTM
	103223	103223-01	10/5/2000	PCB CONTAMINATED METHYLENE CHLORIDE LOCATED IN S-709-2	4	11	24	C-710	RTM
	103225	103225-01	3/12/2003	USEC PCB lab solutions	1	20	45	C-710	RTM
	103226	103226-01	11/18/1999	PCB/RCRA HAZ ACIDIC LAB WASTE	1	20	43	C-710	RTM
	103241	103241-01	5/17/2000	RCRA HAZARDOUS / PCB / RAD. HEXANE RESIDUE LIQUIDS.	0.67	2	4	C-710	RTM
	103250	103250-01	4/18/2001	PCB/RCRA HAZ/LLW RAD LIQUID. ACIDIC WASTE. NCS EXEMPT	1	5	10	C-710	RTM
	104001	104001-01	6/1/2001	PCB LOW LEVEL RAD NONHAZARDOUS LIQUID	0.67	11	25	C-710	TM
	104001	104001-02	6/13/2001	PCB LOW LEVEL RAD NONHAZARDOUS LIQUID	0.67	11	25	C-710	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CL	104003	104003-01	6/26/2001	RAD LIQUID	2.68	9	20	C-710	TM
	104004	104004-01	6/27/2001	BASIC LAB WASTE	0.67	5	10	C-710	TM
	104005	104005-01	7/19/2001	RAD LIQUID. ACIDIC AQUEOUS LAB WASTE	0.67	5	10	C-710	TM
	104012	104012-01	2/10/2003	USEC PCB lab solutions	1	9	20	C-710	RTM
	104014	104014-01	5/16/2003	USEC PCB lab solutions	2	41	90	C-710	TM
	104016	104016-01	6/6/2003	USEC PCB lab solutions - acid	1	20	45	C-710	RTM
	104020	104020-01	8/27/2003	USEC PCB lab solutions	2	27	60	C-710	TM
	104023	104023-01	8/27/2003	USEC PCB lab solutions - acid	1	16	35	C-710	RTM
	104024	104024-01	1/7/2004	USEC PCB lab solutions - acid	1	14	30	C-710	RTM
	104025	104025-01	3/9/2004	USEC PCB lab solutions - oil/solvent	1	20	45	C-710	RTM
	104951	104951-01	7/27/2001	SOLVENT CONTAMINATED WASTE OIL	0.67	9	20	C-710	TM
	107427	107427-01	4/3/2008	LAB PACK OF AQUEOUS SAMPLE RETURNS FROM TSCAL 05-01 AND TSCAL 05-02.	4	16	35	C-733	RTM
	108895	108895-01	1/24/2008	VENTILATION DUCT LIQUID	7.4	213	470	DSSI	RTM
	108895	108895-02	3/5/2008	VENTILATION DUCT LIQUID	7.4	208	458	DSSI	RTM
	108895	108895-03	4/1/2008	VENTILATION DUCT LIQUID	7.4	212	468	DSSI	RTM
	108895	108895-04	4/23/2008	VENTILATION DUCT LIQUID	7.4	212	468	DSSI	RTM
	108895	108895-05	4/23/2008	VENTILATION DUCT LIQUID	7.4	217	478	DSSI	RTM
	108895	108895-06	5/29/2008	VENTILATION DUCT LIQUID	7.4	211	466	DSSI	RTM
	108895	108895-07	6/25/2008	VENTILATION DUCT LIQUID	7.4	215	473	DSSI	RTM
	108898	108898-01	8/13/2008	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	7.4	214	472	DSSI	RTM
	108898	108898-02	9/29/2008	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	7.4	207	456	DSSI	RTM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CL	108898	108898-03	11/3/2008	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	7.4	193	426	DSSI	RTM
	108898	108898-04	12/15/2008	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	7.4	211	465	DSSI	RTM
	108900	108900-01	12/4/2008	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS.	7.4	209	461	DSSI	RTM
	109172	109172-01	4/3/2008	LAB PACK OF OIL SAMPLE RETURNS FROM TSCAL 05-01 AND TSCAL 05-02.	4	10	21	C-733	RTM
	118352	118352-01	8/1/2008	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.	7.4	44	96	C-752-A	TM
	118352	118352-02	8/1/2008	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.	7.4	181	398	C-752-A	TM
	118352	118352-03	8/1/2008	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.	7.4	184	406	C-752-A	TM
	118352	118352-04	8/1/2008	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.	7.4	181	398	C-752-A	TM
	118352	118352-05	8/1/2008	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.	7.4	183	403	C-752-A	TM
	118352	118352-06	8/1/2008	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.	7.4	182	401	C-752-A	TM
	123116	123116-01	4/18/2008	LIQUID LAB WASTE. RESIDUAL OIL WITH NON-HALOGENATED SOLVENT CONTAMINATION (TOLUENE, ACETONE) AS WELL AS ISOPROPYL ALCOHOL.	0.67	17	38	C-733	RTM
	123123	123123-01	6/25/2008	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	7.4	188	415	C-752-A	TM
	123123	123123-02	6/25/2008	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	7.4	186	411	C-752-A	TM
	123123	123123-03	6/25/2008	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	7.4	183	404	C-752-A	TM
	123123	123123-04	6/25/2008	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	7.4	186	410	C-752-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CL	123123	123123-05	6/18/2008	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	7.4	170	374	C-752-A	TM
	123123	123123-06	6/18/2008	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	7.4	168	370	C-752-A	TM
	123123	123123-07	6/18/2008	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	7.4	167	369	C-752-A	TM
	123123	123123-08	6/18/2008	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	7.4	171	378	C-752-A	TM
	123123	123123-09	6/18/2008	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	7.4	175	386	C-752-A	TM
	123123	123123-10	6/18/2008	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	7.4	144	318	C-752-A	TM
	123123	123123-11	6/25/2008	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	7.4	191	421	C-752-A	TM
	38157	CAL-1310A	4/14/1993	SLUDGE LEFT AFTER PUMPING PCB CONTAMINATED RAIN WATER FOR SHIPMENT	11.4	63	139	C-753-A	TM
	44887	CAL-1642A	3/15/1995	SLUDGE LEFT AFTER SHIPMENT 97-04, ROLLER-SMITH SWITCHGEAR PROJECT	11.4	63	139	C-746-Q	TM
	61905	61905-01	3/29/1990	VERMICULITE AND PH STRIPS	0.67	3	7	C-753-A	TM
CS	101020	101020-01	9/23/1998	SAMPLING DEBRIS:CLOTH/PPE/PLASTI	7.4	42	92	C-753-A	TM
	101022	101022-01	11/3/1998	FILTERS/ABSORBENTS/PPE	11.4	93	204	C-753-A	TM
	101048	101048-01	3/17/1999	BCS TRASH - HYPALON, PORTABLE DYKE	7.4	41	90	C-753-A	TM
	101257	101257-01	7/15/1999	PPE/WET WOOD/PLASTIC/PADS/SARANEX/GLOVES FROM SPILL CLEAN UP OF CAS-14964	7.4	35	77	C-753-A	TM
	101349	101349-01	2/16/2000	PPE AND RAGS, PVC PIPE, PLASTIC AND GLOVES	7.4	44	96	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	101455	101455-01	1/5/1998	SOLID WASTE >50 PPM PCB OILY RAGS/PIGS/PADS/ETC.	7.4	30	66	C-753-A	TM
	101463	101463-01	6/14/1999	2 PALLETS CONTAMINATED W/74 PPM PCB ON M-6 TRANS JOB. WRAPPED IN BLACK PLASTIC W/PCB LABEL	7.4	34	75	C-753-A	TM
	101467	101467-01	12/16/1999	WOOD/PPE FROM PUMP WAGON	7.4	49	107	C-753-A	TM
	101503	101503-01	12/9/1998	GLOVES/PADS/RAGS/PLASTIC	7.4	44	96	C-753-A	TM
	101561	101561-01	4/16/1999	PCB WASTE SOLIDS/PPE/PLASTIC/RAGS	7.4	37	81	C-753-A	TM
	101564	101564-01	1/5/1999	PCB WASTE SOLIDS; PPE, RAGS, PLASTIC.	7.4	49	107	C-753-A	TM
	101564	101564-02	1/5/1999	PCB WASTE SOLIDS; PPE, RAGS, PLASTIC.	7.4	49	108	C-753-A	TM
	101577	101577-01	11/24/1998	PPE/RAGS; PCB LOW LEVEL RAD SOLIDS; LLR SOLIDS, RCRA LAB SAMPLING WASTE	0.67	8	17	C-746-A	TM
	101577	101577-02	11/17/1998	PPE/RAGS; PCB LOW LEVEL RAD SOLIDS; LLR SOLIDS, RCRA LAB SAMPLING WASTE	0.67	11	25	C-746-A	TM
	101577	101577-03	9/21/1998	PPE/RAGS; PCB LOW LEVEL RAD SOLIDS; LLR SOLIDS, RCRA LAB SAMPLING WASTE	0.67	10	22	C-746-A	TM
	101584	101584-01	12/21/1998	LAB SOLIDS	0.67	5	11	C-746-A	TM
	101590	101590-01	5/1/1997	CONCRETE IN B-25 BOX, GENERATED FROM ALL SWITCHYARDS DURING GATE CONSTRUCTION AND CONCRETE PICKUP FROM ALL AREAS OF SWITCHYARDS. PCB CONTENT GREATER THAN 50 PPM, BUT LESS THAN 500 PPM	96	3574	7880	C-753-A	TM
	101735	101735-01	3/31/1999	NON-INCINERABLE DEBRIS (EMPTY GLASS BOTTLES/BROKEN COLIWASAS, ETC. COLLECTION DRUM	7.4	58	128	C-753-A	TM
	101737	101737-01	5/3/1999	PPE/PLASTIC/PADS	7.4	34	74	C-753-A	TM
	101746	101746-01	9/21/1999	INCINERABLE SAMPLING DEBRIS- TYVEK, PLASTIC, NEOPRENE, VINYL, PAPER, PADS	7.4	39	85	C-746-A	TM
	101749	101749-01	10/27/1999	NON-INCINERABLE SAMPLING DEBRIS; GLASS SAMPLING DEBRIS	7.4	38	84	C-746-A	TM
	101829	101829-01	3/8/1999	PCB SOLID WASTE - RAGS, GLOVES, PPE, PLASTIC, ETC...	7.4	35	78	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	101929	101929-01	9/3/1999	PPE/PLASTIC/PAPER DEBRIS	7.4	39	85	C-753-A	TM
	101929	101929-02	9/15/1999	PPE/PLASTIC/PAPER DEBRIS	7.4	46	102	ENERGYSOL	TM
	101929	101929-03	9/3/1999	PPE/PLASTIC/PAPER DEBRIS	7.4	41	91	ENERGYSOL	TM
	101959	101959-01	3/18/1999	BCS TRASH - PAPER, PLASTIC, PPE, DRUM LINERS, PADS.	7.4	44	98	C-753-A	TM
	101961	101961-01	3/19/1999	PCB BCS TRASH -PPE/MASLINE/PAPER/PLASTIC/DRUM LINERS	7.4	59	129	C-753-A	TM
	10201	CAS-10817	9/7/1990	ASKAREL WASTE-RAGS,TYVEK,GLOVES	7.4	53	116	C-753-A	TM
	10207	CAS-11362	1/15/1991	GLOVES, RAGS, BAGS, ZORBALL	7.4	110	242	C-753-A	TM
	10207	CAS-11363	1/15/1991	GLOVES, RAGS, BAGS, ZORBALL	7.4	56	124	C-753-A	TM
	10207	CAS-11364	1/15/1991	GLOVES, RAGS, BAGS, ZORBALL	7.4	109	240	C-753-A	TM
	10208	CAS-12689	2/12/1991	PADS/PILLOWS/PIGS	7.4	108	238	C-753-A	TM
	10208	CAS-12690	2/12/1991	PADS/PILLOWS/PIGS	7.4	93	206	C-753-A	TM
	10208	CAS-12691	2/12/1991	PADS/PILLOWS/PIGS	7.4	84	186	C-753-A	TM
	10208	CAS-12692	2/12/1991	PADS/PILLOWS/PIGS	7.4	66	146	C-753-A	TM
	102080	102080-01	6/8/2000	CONCRETE FROM PCB SPILL CLEANUP (#643).	4	160	353	C-753-A	TM
	102080	102080-02	6/8/2000	CONCRETE FROM PCB SPILL CLEANUP (#643).	4	124	273	C-752-A	TM
	102080	102080-03	6/8/2000	CONCRETE FROM PCB SPILL CLEANUP (#643).	4	94	207	C-752-A	TM
	102080	102080-04	6/8/2000	CONCRETE FROM PCB SPILL CLEANUP (#643).	4	102	225	C-752-A	TM
	102080	102080-05	6/8/2000	CONCRETE FROM PCB SPILL CLEANUP (#643).	7.4	182	402	C-752-A	TM
	10209	CAS-12673	2/14/1991	PADS/PILLOWS/PIGS	7.4	44	96	C-753-A	TM
	10210	CAS-12676	2/15/1991	TRASH	7.4	69	152	C-753-A	TM
	10210	CAS-12677	2/15/1991	TRASH	7.4	54	120	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	10210	CAS-12678	2/15/1991	TRASH	7.4	89	196	C-753-A	TM
	10210	CAS-12679	2/15/1991	TRASH	7.4	121	266	C-753-A	TM
	10210	CAS-12680	2/15/1991	TRASH	7.4	125	276	C-753-A	TM
	10210	CAS-12681	2/15/1991	TRASH	7.4	74	164	C-753-A	TM
	10210	CAS-12682	2/15/1991	TRASH	7.4	65	144	C-753-A	TM
	102122	102122-01	1/23/2001	PCB/RAD CUMBUSTIBLE SOLID	4	9	20	C-710	TM
	10213	CAS-12713	3/1/1991	PADS/PILLOWS/PIGS	7.4	37	82	C-753-A	TM
	10213	CAS-12714	3/1/1991	PADS/PILLOWS/PIGS	7.4	54	118	C-753-A	TM
	102136	102136-01	1/4/2000	PCB SOLIDS	7.4	0	1	C-727	TM
	10214	CAS-12712	3/4/1991	PADS/PILLOWS/PIGS	7.4	50	110	C-753-A	TM
	10216	CAS-12775	3/21/1991	PADS/PILLOWS/PIGS	7.4	69	152	C-753-A	TM
	10218	CAS-14067	4/3/1991	PADS/PILLOWS/PIGS	11.4	95	210	C-753-A	TM
	10222	CAS-12824	4/19/1991	GLOVES/SUITS/PLASTIC/RAGS/ZORBAL	7.4	60	132	ENERGYSOL	TM
	102262	102262-01	7/29/1998	PCB WOOD	7.4	27	60	C-753-A	TM
	102338	102338-01	3/19/1999	CARBON FILTRATION CONTAINERS FROM PCB TREATMENT	11.4	306	674	C-752-A	TM
	102338	102338-02	3/19/1999	CARBON FILTRATION CONTAINERS FROM PCB TREATMENT	11.4	313	689	C-752-A	TM
	102338	102338-03	3/19/1999	CARBON FILTRATION CONTAINERS FROM PCB TREATMENT	11.4	317	699	C-752-A	TM
	102338	102338-04	3/19/1999	CARBON FILTRATION CONTAINERS FROM PCB TREATMENT	11.4	310	684	C-752-A	TM
	10234	CAS-09752	2/8/1990	ZORBALL/PADS PER RFD	7.4	166	367	C-753-A	TM
	10234	CAS-09763	3/3/1989	PAPER/PPE/PLASTIC	7.4	39	85	C-753-A	TM
	10247	CAS-10039	2/18/1990	TRASH	7.4	46	101	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	102470	102470-01	6/8/2000	PPE FROM PCB SPILL CLEANUP ASSOCIATED WITH #643.	4	38	83	ENERGYSOL	TM
	102532	102532-01	5/10/1988	WOOD -COLLECTION	7.4	50	111	C-746-A	TM
	102535	102535-01	10/26/1998	PPE/PAPER/PLASTIC/ETC.	7.4	34	74	C-753-A	TM
	102539	102539-01	11/4/1998	PLASTIC/PAPER/PPE/ABSORBENT PADS	7.4	40	88	C-753-A	TM
	102541	102541-01	11/9/1998	SAMPLING DEBRIS:PPE/PAPER/PLASTI	7.4	44	98	C-753-A	TM
	102544	102544-01	12/10/1998	PPE/RAGS	7.4	48	105	C-753-A	TM
	102545	102545-01	12/22/1998	SPENT PPE/PLASTIC/ABSORBENT PADS/KIMTOWELS	7.4	39	86	C-752-A	TM
	102549	102549-01	1/13/1999	SAMPLING DEBRIS -COLIWASAS/EMPTY SAMPLE BOTTLES	7.4	55	122	C-753-A	TM
	10259	CAS-10100	11/1/1989	PADS/PIGS	7.4	47	104	C-753-A	TM
	102620	102620-01	8/26/1998	POTENTIALLY FISSILE PCB CONTAMINATED SOLID DEBRIS (PAPER, PLASTIC AND PPE). PF TAG # RFD-PF-98-1981. NOTE: DRUM WILL BE EVALUATED FOR LMUS NCS CONCERNS AND ADDITIONAL INFO IS REQUIRED TO COMPLETE RFD ATTACHMENT.	0.67	2	5	C-710	TM
	10288	CAS-10319	11/1/1989	PADS/RAGS	11.4	82	180	C-753-A	TM
	10298	CAS-11023	7/4/1990	EMPTY 5 DRUMS/ABSORBENTS	7.4	40	88	ENERGYSOL	TM
	10298	CAS-11025	7/4/1990	EMPTY 5 GAL DRUMS/ABSORBENTS	7.4	39	87	ENERGYSOL	TM
	103203	103203-01	5/12/1999	PCB PAPER & PLASTIC LOW-LEVEL RAD	0.67	11	25	C-746-A	TM
	103215	103215-01	10/8/1999	PLASTIC, CLOTH, PAPER - SOLID SAMPLING RESIDUAL	4	20	43	C-753-A	TM
	103247	103247-01	4/5/2001	PCB HAZARDOUS COMBUSTIBLE	0.67	5	10	C-710	TM
	103248	103248-01	4/5/2001	GLASS	4	9	20	C-710	TM
	103277	103277-01	11/15/1999	HP WIPES, RAGS, GLOVES, APRONS FROM PCB CAPACITOR PROJECT.	7.4	53	117	ENERGYSOL	TM
	103278	103278-01	12/11/1999	RAGS, GLOVES, APRONS FROM THE PCB CAPACITOR PROJECT.	7.4	59	130	ENERGYSOL	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	103281	103281-01	2/4/2000	HP WIPES, PPE, CLEANUP RAGS FROM PCB CAPACITOR PROJECT. RAGS WILL HAVE RESIDUAL CITRISTRIP SOLVENT.	7.4	51	112	ENERGYSOL	TM
	103284	103284-01	4/6/2000	SPILL CLEANUP DEBRIS FROM CAS- 3737, SPILL #PCB-684; PALLET PIECES, PPE, PADS, PLASTIC.	7.4	35	77	C-752-A	RTM
	103379	103379-01	2/20/2001	PPE, OIL ABSORBENT PADS, RAGS, PLASTIC (FROM MAINTENANCE ON VENT DUCTS).	7.4	40	88	ENERGYSOL	TM
	103385	103385-01	4/2/2001	PPE, PADS, RAGS FROM ELECTRICAL MAINTENANCE ON PCB TRANSFORMER.	7.4	43	94	C-753-A	TM
	103387	103387-01	5/23/2001	PPE, RAGS, PADS, MOP HEAD, OIL SOAKED ABSORBENT AND PLASTI FROM TRANSFORMER LEAK SPILL CLEANUP	7.4	59	130	ENERGYSOL	TM
	103390	103390-01	8/23/2001	PPE, RAGS, AND PADS	7.4	63	138	C-753-A	TM
	103394	103394-01	1/4/2002	PPE, PADS, AND RAGS FROM ELECTRICAL MAINTENANCE ON PCB TRANSFORMERS.	7.4	38	83	C-753-A	TM
	103395	103395-01	1/7/2002	RAGS, GLOVES, PAPER AND PPE	7.4	39	87	C-753-A	TM
	103398	103398-01	7/19/2002	MOP HEADS, RAGS, PADS, PPE, AND ABSORBENT GENERATED FROM PCB SPILL AT U/6C/10 'B' TRANSFORMER	7.4	86	190	C-753-A	TM
	103399	103399-01	7/22/2002	OILY PADS, PPE, RAGS AND LEATHER GLOVES	7.4	55	122	C-753-A	TM
	103652	103652-01	4/19/2001	PCB SPILL CLEANUP DEBRIS - PPE, PAPER, PLASTIC, RAGS, SCRUB PADS.	7.4	55	121	C-753-A	TM
	103654	103654-01	6/7/2001	PCB SPILL CLEANUP DEBRIS... PPE, PLASTIC, PAPER, RAGS, SCRUB PADS.	7.4	40	88	C-753-A	TM
	103658	103658-01	8/1/2001	PCB SPILL CLEANUP SOLID DEBRIS. PPE, PLASTIC, RAGS , SCRUB PADS.	7.4	43	95	C-753-A	TM
	103663	103663-01	7/27/2001	BCS TRASH WR116 NITRILE GLOVES, HP SWIPES, LEATHER GLOVES, PLASTIC, PPE, TAPE, HYPALON. (FROM SORTING AND REPACKAGING PCB/RAD SOLID WASTE).	7.4	40	89	C-753-A	TM
	103663	103663-02	7/27/2001	BCS TRASH WR116 NITRILE GLOVES, HP SWIPES, LEATHER GLOVES, PLASTIC, PPE, TAPE, HYPALON. (FROM SORTING AND REPACKAGING PCB/RAD SOLID WASTE).	7.4	49	109	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	103663	103663-03	8/10/2001	BCS TRASH WR116 NITRILE GLOVES, HP SWIPES, LEATHER GLOVES, PLASTIC, PPE, TAPE, HYPALON. (FROM SORTING AND REPACKAGING PCB/RAD SOLID WASTE).	7.4	54	120	C-753-A	TM
	103663	103663-04	9/4/2001	BCS TRASH WR116 NITRILE GLOVES, HP SWIPES, LEATHER GLOVES, PLASTIC, PPE, TAPE, HYPALON. (FROM SORTING AND REPACKAGING PCB/RAD SOLID WASTE).	7.4	48	105	C-753-A	TM
	103666	103666-01	10/3/2001	PCB SPILL CLEANUP DEBRIS, GLOVES, RAGS, SCRUB PADS, PLASTIC	7.4	53	116	C-753-A	TM
	103674	103674-01	1/17/2002	PCB SPILL CLEANUP DEBRIS, GLOVES, RAGS, SCRUB PADS, PLASTIC.	7.4	59	131	C-753-A	TM
	103879	103879-01	9/5/2000	PCB BCS TRASH FROM SAMPLING ACTIVITIES (AW-55).	7.4	52	115	C-753-A	TM
	103893	103893-01	6/4/2001	WOOD PALLET FROM PCB SPILL CLEANUP OF CAS-14965 (PCB-692). ORIGINAL SRUM FROM KPDES DITCH 11 FLUME SLUDGE, CONSERVATIVELY HANDLED AS PCB.	7.4	60	133	C-753-A	TM
	103952	103952-01	8/30/2000	>50PPM PCB SOLID WASTE; OILY RAGS, PIGS, PADS, BUCKETS, ETC.	7.4	32	70	C-753-A	TM
	103953	103953-01	2/3/2000	>50PPM PCB SOLID WASTE: OILY RAGS, PIGS, PADS, ETC.	7.4	62	137	C-753-A	TM
	103962	103962-01	1/25/2001	RAGS, PIGS, PADS, PPE	7.4	38	83	ENERGYSOL	TM
	104002	104002-01	6/1/2001	PCB NON HAZARDOUS SAMPLE RESIDUALS	4	113	250	C-710	TM
	104006	104006-01	7/19/2001	PCB/NON HAZ/COMBUSTIONABLE RAD SOLIDS	4	14	30	C-710	TM
	104010	104010-01	12/18/2002	PCB HAZARDOUS SAMPLE RESIDUALS	0.67	7	15	C-710	TM
	104013	104013-01	3/7/2003	USEC PCB lab waste -solids	1	11	25	C-710	TM
	104015	104015-01	5/20/2003	USEC PCB lab waste -solid sample residuals	4	34	75	C-710	TM
	104017	104017-01	7/10/2003	USEC PCB lab waste -solids	4	34	75	C-710	TM
	104021	104021-01	8/27/2003	USEC PCB contm. Glass	4	34	75	C-710	TM
	104022	104022-01	8/27/2003	USEC PCB lab waste -solids	4	45	100	C-710	TM
	104350	104350-01	5/10/2001	CUT UP WOODEN PALLETS FROM SPILL OF RFD 11094 (CAS-14967) 5/9/01.	7.4	50	110	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	104357	104357-01	8/23/2000	PCB SPILL CLEANUP DEBRIS	7.4	42	92	C-753-A	TM
	104365	104365-01	11/2/2000	PCB SPILL CLEANUP DEBRIS: GLOVES, RAGS, SCRUB PADS	7.4	40	88	C-753-A	TM
	104372	104372-01	1/8/2001	DECON MATERIAL FROM CAPACITOR PROJECT. PPE, RAGS, PLASTIC, USED SOLVENT.	7.4	29	63	C-753-A	TM
	104430	104430-01	6/12/2002	PCB SPILL CLEANUP DEBRIS, GLOVES, RAGS, PLASTIC.	7.4	49	107	C-753-A	TM
	104452	104452-01	11/15/2000	RAD INCINERABLE DEBRIS. BCS TRASH	7.4	34	75	C-753-A	TM
	10458	CAS-15130	8/24/1989	TYVEKS/RAGS/GLOVES	7.4	64	142	C-753-A	TM
	10458	CAS-15157	8/24/1989	TYVEKS/RAGS/GLOVES	11.4	157	347	C-753-A	TM
	10458	CAS-15158	8/24/1989	TYVEKS/RAGS/GLOVES	7.4	106	233	C-753-A	TM
	10458	CAS-15159	8/24/1989	TYVEKS/RAGS/GLOVES	7.4	58	127	ENERGYSOL	TM
	104713	104713-01	9/26/2001	PLASTIC/GLASS BOTTLES EMPTY FROM ACID SAMPLE DISPOSAL, PPE.	7.4	42	92	C-746-A	TM
	104876	104876-01	6/7/2001	1 BAG OF PCB TRASH; PAPER, PLASTIC, PPE FROM WR-116.	7.4	35	77	ENERGYSOL	TM
	104885	104885-01	10/1/2001	BOTTLES, PPE, ABSORBENT PADS FROM ACID DISPOSAL.	7.4	42	92	C-746-A	TM
	10489	CAS-09535	12/8/1989	TRASH	11.4	83	182	ENERGYSOL	TM
	10489	CAS-09536	12/8/1989	TRASH	7.4	63	139	C-753-A	TM
	10489	CAS-09537	12/8/1989	TRASH	7.4	61	135	C-753-A	TM
	10489	CAS-09538	12/8/1989	TRASH	7.4	62	137	C-753-A	TM
	10489	CAS-09540	12/8/1989	TRASH	7.4	56	123	C-753-A	TM
	10489	CAS-09541	12/8/1989	TRASH	7.4	63	138	C-753-A	TM
	10489	CAS-09542	12/8/1989	TRASH	7.4	57	126	C-753-A	TM
	10489	CAS-09543	12/8/1989	TRASH	7.4	60	132	C-753-A	TM
	104898	104898-01	6/4/2002	PCB/RAD TRASH	7.4	44	96	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	104903	104903-01	6/28/2001	2 SMALL BAGS OF PPE FROM PCB SWIPES	7.4	36	80	C-753-A	TM
	104931	104931-02	3/27/2002	PCB CONTAMINATED DEBRIS: PPE, CUT UP WOOD FROM PALLETS AND PLYWOOD RAGS CONTAMINATED WITH SOY GOLD AND 409. PCB-704, SPILL CLEAN UP OF LEAKING DRUM RFD 13065 (CAS-1236).	7.4	70	154	ENERGYSOL	RTM
	104976	104976-01	1/30/2002	RCRA HAZARDOUS PCB SOLID LAB WASTE. SODIUM SULFATE	0.67	9	20	C-710	RTM
	104982	104982-01	6/18/2004	USEC PCB lab waste -solids	1	9	20	C-710	RTM
	104985	104985-01	8/15/2006	COMBUSTIBLE SOLID LAB WASTE; PREDOMINATELY HEXANES AND ACETONE CONTAMINATED.	0.67	5	10	ENERGYSOL	RTM
	105007	105007-01	1/7/2003	PCB SOLID WASTE: PADS, PLASTIC, ABSORBENTS, ETC.	7.4	0	1	C-333	TM
	105042	105042-01	9/6/2002	BCS TRASH	7.4	49	108	ENERGYSOL	TM
	105084	105084-01	6/3/2002	PCB SOLIDS FROM CAPACITOR CLEANING	7.4	0	1	C-727	TM
	105084	105084-02	6/3/2002	PCB SOLIDS FROM CAPACITOR CLEANING	7.4	0	1	C-727	TM
	105084	105084-03	6/3/2002	PCB SOLIDS FROM CAPACITOR CLEANING	7.4	0	1	C-727	TM
	105084	105084-04	6/3/2002	PCB SOLIDS FROM CAPACITOR CLEANING	7.4	0	1	C-727	TM
	105089	105089-01	7/23/2002	PCB WASTE SOLIDS / PPE	7.4	71	156	C-753-A	TM
	105089	105089-02	7/23/2002	PCB WASTE SOLIDS / PPE	7.4	39	87	C-753-A	TM
	105124	105124-01	4/17/2002	PCB SPILL CLEANUP DEBRIS, PPE, PLASTIC, RAGS, SCRUPB- PADS, AND PAPER.	7.4	52	114	C-753-A	TM
	10522	CAS-12458	1/14/1991	FLOOR SWEEP	7.4	206	454	C-753-A	TM
	106205	106205-01	10/17/2002	PCB SPILL CLEANUP DEBRIS, PPE, PLASTIC, RAGS, SCRUB PADS	7.4	46	102	C-753-A	TM
	106206	106206-01	11/12/2002	PCB SPILL CLEAN UP DEBRIS, PPE, PLASTIC, RAGS, SCRUB PADS	7.4	27	59	C-753-A	TM
	106211	106211-01	12/18/2002	PCB SOLIDS: PPE, RAGS, PLASTIC, SCRUBPADS.	7.4	50	110	ENERGYSOL	TM
	106255	106255-01	11/14/2002	EXCESS SAMPLE MATERIAL FROM CHARACTERIZATION ACTIVITIES. CONTAMINATED ROMEX WIRE.	0.67	3	7	C-752-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	106311	106311-01	1/29/2003	RAD/PCB EMPTY GLASS AND PLASTIC BOTTLES FROM MLLW-02	7.4	50	110	C-752-A	TM
	106311	106311-02	1/29/2003	RAD/PCB EMPTY GLASS AND PLASTIC BOTTLES FROM MLLW-02	7.4	53	117	C-752-A	TM
	106326	106326-01	12/4/2002	OILY PADS, PPE, RAGS, GLOVES	7.4	60	132	ENERGYSOL	TM
	106328	106328-01	7/10/2003	PPE, RAGS, MOPHEADS, ETC FROM PCB SPILL CLEANUP.	7.4	64	140	C-753-A	TM
	106333	106333-01	1/22/2004	PCB SPILL CLEANUP DEBRIS - PPE, PVC PIPE	7.4	56	123	C-753-A	TM
	106335	106335-01	6/28/2004	PCB SOLIDS FROM ACTIVITIES ASSOCIATED WITH PCB NON-GASKET SPILL 748. PPE, MOP HEADS, RAGS, SCRUB PADS, GLOVES, PLASTIC.	7.4	58	128	C-753-A	TM
	106336	106336-01	6/28/2004	PCB SOLIDS FROM ACTIVITIES ASSOCIATED WITH PCB NON-GASKET SPILL 748. APRONS, GLOVES, RAGS, SCRUB PADS, PPE, GLOVES, BOOTIES.	7.4	56	124	C-753-A	TM
	106337	106337-01	7/13/2004	PCB SOLIDS FROM NON-GASKET SPILL. PPE, MOPHEADS, RAGS, FLAGGING, PADS	7.4	57	125	C-753-A	TM
	106338	106338-01	9/20/2004	PCB SOLIDS FROM NON-GASKET SPILLS. PPE, RAGS, PADS	7.4	49	109	ENERGYSOL	TM
	106339	106339-01	9/20/2004	RAGS, PPE, ETC FROM NON-GASKET SPILL 748	7.4	46	102	C-753-A	TM
	106345	106345-01	3/30/2005	PCB SOLIDS FROM SPILL CLEANUP; PPE, PADS, RAGS	7.4	45	99	C-753-A	TM
	106345	106345-02	4/27/2005	PCB SOLIDS FROM SPILL CLEANUP; PPE, PADS, RAGS	7.4	49	109	C-753-A	TM
	106345	106345-03	4/27/2005	PCB SOLIDS FROM SPILL CLEANUP; PPE, PADS, RAGS	7.4	42	93	C-753-A	TM
	106368	106368-01	7/28/2003	EMPTY DRUM USED FOR SORTING/ SIFTING PCB RAD CONTAMINATED ZORBALL AND FLOOR SWEEPINGS IN 280M3 PROJECT. INTERIOR IS HOT AND DRUM HAS BECOME DEFORMED SO THAT IS IS NO LONGER USABLE.	11.4	59	130	C-753-A	TM
	106588	106588-01	3/25/1999	OVERPACKED CONTAINERS FROM TSCA SOFT SOLIDS PROJECT. DRUM CONTAINS THREE 5 GALLON CONTAINERS FROM PROFILE #1 (RFD 101595-01, 02, 03	7.4	37	81	C-752-A	TM
	106669	106669-01	12/8/2004	PCB SOLID SPILL CLEANUP DEBRIS; PAPER, PLASTIC, PPE, SCRUB PADS.	7.4	51	113	C-753-A	TM
	106674	106674-01	1/21/2005	PCB SPILL CLEANUP DEBRIS; PPE, PLASTIC, RAGS	7.4	44	97	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	106733	106733-01	8/5/2003	SOLIDS GENERATED DURING ROUTINE ELECTRICAL MAINTENANCE ACTIVITIES ON PCB TRANSFORMERS, CAPACITORS, ETC. GLOVES, PPE, RAGS AND PADS.	7.4	56	123	C-753-A	TM
	106733	106733-02	8/5/2003	SOLIDS GENERATED DURING ROUTINE ELECTRICAL MAINTENANCE ACTIVITIES ON PCB TRANSFORMERS, CAPACITORS, ETC. GLOVES, PPE, RAGS AND PADS.	7.4	60	132	C-753-A	TM
	106734	106734-01	11/8/2004	PCB SOLIDS - PPE, RAGS, PADS	7.4	39	86	C-753-A	TM
	106747	106747-01	10/11/2005	PCB SOLIDS	7.4	42	93	C-753-A	TM
	106748	106748-01	6/27/2005	PCB SOLIDSD	7.4	64	140	C-753-A	TM
	106777	106777-01	7/16/2003	MISCELLANEOUS PCB CONTAMINATED WOOD. GENERATED FROM SPILL CLEAN UP ACTIVITIES. MEETS PCB REMEDIATION WASTE OF 40 CFR 761.61 (A)	11.4	43	94	C-752-A	TM
	107128	107128-01	5/10/2002	SAMPLE BOTTLES - EMPTY - REPACKAGED FROM RFDS 108670-01 AND 104893-01	7.4	20	43	C-753-A	TM
	107128	107128-02	5/10/2002	SAMPLE BOTTLES - EMPTY - REPACKAGED FROM RFDS 108670-01 AND 104893-01	7.4	29	64	C-753-A	TM
	107134	107134-01	7/12/2004	SPILL CLEANUP DEBRIS; PPE, RAGS, WOOD PALLETS, PLASTIC FROM LEAKING DRUMS CAS-12855, CAS-12850. REFERENCE NON-GASKET PCB SPILL #749.	7.4	47	103	C-753-A	TM
	107141	107141-01	9/8/2004	PCB SOLID CLEANUP DEBRIS (PPE, PLASTIC, PADS, RAGS)	7.4	55	122	C-753-A	TM
	107143	107143-01	10/26/2004	PCB SPILL CLEANUP DEBRIS FROM VENT DUCT LEAKS.	7.4	53	117	C-753-A	TM
	107146	107146-01	3/10/2005	PCB SPILL CLEANUP DEBRIS FROM VENT DUCT LEAKS: PPE, PLASTIC, RAGS.	7.4	54	118	C-753-A	TM
	107153	107153-01	8/29/2007	MISC WASTE FROM PCB TROUGHING ACTIVITIES - PVC PIPE, PPE, PLASTIC, PADS, RAGS	7.4	28	62	C-753-A	TM
	107153	107153-02	10/9/2007	MISC WASTE FROM PCB TROUGHING ACTIVITIES - PVC PIPE, PPE, PLASTIC, PADS, RAGS	7.4	36	79	C-753-A	TM
	107153	107153-03	11/6/2007	MISC WASTE FROM PCB TROUGHING ACTIVITIES - PVC PIPE, PPE, PLASTIC, PADS, RAGS	7.4	46	102	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	107156	107156-03	4/10/2008	MISCELLANEOUS WASTE FROM PCB TROUGHING ACTIVITIES.	7.4	41	90	C-753-A	TM
	10717	CAS-09511	11/5/1989	ZORBALL	11.4	271	598	C-753-A	TM
	107426	107426-01	2/20/2008	SAMPLE RETURN SOLIDS	7.4	111	244	C-753-A	TM
	107432	107432-01	7/22/2008	COLLECTION CONTAINER OF PCB MISC RCRA LEAD CONTAMINATED ITEMS.	4	201	442.999	C-752-A	RTM
	107504	107504-01	4/25/2003	BCS WASTE/SAMPLING DEBRIS. PPE, PAPER, AND PLASTIC	7.4	32	71	ENERGYSOL	TM
	107526	107526-01	5/6/2003	PCB SOLIDS: PPE, PLASTIC, RAGS, SCRUB PADS, RUBBER	7.4	49	109	ENERGYSOL	TM
	107528	107528-01	6/10/2003	PCB CLEANUP DEBRIS. PPE, PLASTIC, RAGS, SCRUB PADS	7.4	44	98	ENERGYSOL	TM
	107529	107529-01	7/24/2003	PCB SPILL CLEANUP DEBRIS, PPE, RAGS, PLASTIC, SCRUB PADS, PADS	7.4	39	85	ENERGYSOL	TM
	107534	107534-01	11/25/2003	PCB SPILL CLEANUP DEBRIS; PPE, RAGS, PLASTIC, PADS, SCRUB PADS.	7.4	49	108	C-753-A	TM
	107536	107536-01	2/9/2004	PCB SPILL CLEANUP DEBRIS; PPE, RAGS, PLASTIC, PADS, SCRUB PADS	7.4	49	108	C-753-A	TM
	107538	107538-01	3/9/2004	PCB SPILL CLEANUP DEBRIS; PPE, RAGS, PLASTIC, PADS, SCRUB PADS.	7.4	54	118	C-753-A	TM
	107539	107539-01	5/11/2004	PCB SPILL CLEANUP DEBRIS; PPE, RAGS, PLASTIC, PADS, SCRUB PADS	7.4	54	118	C-753-A	TM
	107541	107541-01	4/6/2004	PCB SPILL CLEANUP DEBRIS; PPE, PLASTIC, PADS, SCRUB RAGS.	7.4	58	127	C-753-A	TM
	107542	107542-01	6/14/2004	PCB SPILL CLEANUP DEBRIS; PPE, PLASTIC, RAGS, SCRUB PADS.	7.4	49	108	C-753-A	TM
	107543	107543-01	6/29/2004	PCB SPILL CLEANUP DEBRIS; PPE, PLASTIC, RAGS, SCRUB PADS, PVC PIPE AND VALVE.	7.4	56	123	C-753-A	TM
	107544	107544-01	7/14/2004	PCB SPILL CLEANUP DEBRIS; PPE, PLASTIC, RAGS, SCRUB PADS.	7.4	58	127	C-753-A	TM
	107727	107727-01	6/3/2004	BCS WASTE (PAPER, PLASTIC, PPE, PIGS, PADS...) FROM AGREED ORDER SAMPLING.	7.4	48	105	ENERGYSOL	RTM
	107730	107730-01	8/17/2004	BCS WASTE (PAPER, PLASTIC, PPE) FROM AO SAMPLING ACTIVITIES	7.4	48	105	ENERGYSOL	TM
	107860	107860-01	10/21/2005	PCB SOLIDS	7.4	49	109	C-753-A	TM
	107861	107861-01	8/23/2005	PCB SOLIDS	7.4	57	125	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	107864	107864-01	10/11/2005	PCB SOLIDS	7.4	47	104	C-753-A	TM
	107868	107868-01	1/5/2007	PCB SOLIDS (RAGS, PLASTIC, PPE)	7.4	44	98	C-753-A	TM
	107871	107871-01	12/14/2005	PCB SOLIDS FROM SPILL CLEANUP/DECONTAMINATION - PPE, RAGS, PLASTIC.	7.4	46	102	C-753-A	TM
	107873	107873-01	1/25/2001	PCB SOLIDS - EM ACTIVITIES IN C-537. RAGS, PADS, PPE, GLOVES.	7.4	47	104	C-753-A	TM
	10794	CAS-10232	5/10/1988	PADS/PIGS/PILLOWS/ETC.	7.4	50	110	C-753-A	TM
	10795	CAS-10187	5/25/1990	TYVEKS, GLOVES, SUITS, RAGS	7.4	73	161	ENERGYSOL	TM
	10795	CAS-10188	5/25/1990	TYVEKS, GLOVES, SUITS, RAGS	7.4	68	150	ENERGYSOL	TM
	10795	CAS-10189	5/25/1990	TYVEKS, GLOVES, SUITS, RAGS	7.4	74	163	ENERGYSOL	TM
	10795	CAS-10190	5/25/1990	TYVEKS, GLOVES, SUITS, RAGS	7.4	68	150	C-753-A	TM
	10795	CAS-10191	5/25/1990	TYVEKS, GLOVES, SUITS, RAGS	7.4	72	158	C-753-A	TM
	10795	CAS-10192	5/25/1990	TYVEKS, GLOVES, SUITS, RAGS	7.4	78	171	C-753-A	TM
	10795	CAS-10193	5/25/1990	TYVEKS, GLOVES, SUITS, RAGS	7.4	64	140	ENERGYSOL	TM
	10795	CAS-10194	5/25/1990	TYVEKS, GLOVES, SUITS, RAGS	7.4	73	161	ENERGYSOL	TM
	10795	CAS-10195	5/25/1990	TYVEKS, GLOVES, SUITS, RAGS	7.4	74	164	ENERGYSOL	TM
	10795	CAS-10196	5/25/1990	TYVEKS, GLOVES, SUITS, RAGS	7.4	61	134	ENERGYSOL	TM
	10795	CAS-10197	5/25/1990	TYVEKS, GLOVES, SUITS, RAGS	7.4	46	101	ENERGYSOL	TM
	10795	CAS-10198	5/25/1990	TYVEKS, GLOVES, SUITS, RAGS	7.4	49	108	C-753-A	TM
	10795	CAS-10199	5/25/1990	TYVEKS, GLOVES, SUITS, RAGS	7.4	47	103	ENERGYSOL	TM
	10795	CAS-10200	5/25/1990	TYVEKS, GLOVES, SUITS, RAGS	7.4	70	155	C-753-A	TM
	10795	CAS-10201	5/25/1990	TYVEKS, GLOVES, SUITS, RAGS	7.4	59	130	C-753-A	TM
	10795	CAS-10202	5/25/1990	TYVEKS, GLOVES, SUITS, RAGS	7.4	38	84	ENERGYSOL	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	10795	CAS-10203	5/25/1990	TYVEKS, GLOVES, SUITS, RAGS	7.4	46	102	C-753-A	TM
	10795	CAS-10204	5/25/1990	TYVEKS, GLOVES, SUITS, RAGS	7.4	48	106	ENERGYSOL	TM
	10812	CAS-10165	5/25/1990	ZORBALL	7.4	164	362	C-753-A	TM
	108157	108157-01	6/19/2008	COLLECTION FOR PCB LIGHT BULBS REMOVED FROM VARIOUS PROJECTS.	0.67	9	20	C-752-A	RTM
	10831	CAS-10958	8/3/1990	PADS/PIGS/PILLOWS/ETC.	7.4	45	100	C-753-A	TM
	10831	CAS-10959	8/3/1990	OIL SOAKED PADDING & PIG PANS	7.4	40	88	ENERGYSOL	TM
	10839	CAS-10832	5/10/1988	PAPER/PLASTIC/PPE	7.4	44	98	C-753-A	TM
	10839	CAS-10836	9/5/1990	WASTE PADS, PIGS & ZORBALL	7.4	35	78	ENERGYSOL	TM
	10839	CAS-10840	9/5/1990	WASTE PADS, PIGS & ZORBALL	7.4	44	97	ENERGYSOL	TM
	10842	CAS-10917	10/8/1990	PIG PANS, PADS & TRASH	11.4	72	158	C-753-A	TM
	10842	CAS-10919	10/8/1990	PIG PANS, PADS & TRASH	11.4	75	166	C-753-A	TM
	10842	CAS-10920	10/8/1990	PIG PANS, PADS & TRASH	11.4	73	161	C-753-A	TM
	10847	CAS-10928	11/7/1990	PIG PANS, PADS	7.4	44	96	C-753-A	TM
	10847	CAS-10929	11/7/1990	PIG PANS, PADS	7.4	61	135	C-753-A	TM
	10847	CAS-10930	11/7/1990	PIG PANS, PADS	7.4	54	119	C-753-A	TM
	10847	CAS-10931	11/7/1990	PIG PANS, PADS	7.4	44	97	C-753-A	TM
	10847	CAS-10933	11/7/1990	PIG PANS, PADS	7.4	43	95	C-753-A	TM
	10847	CAS-10934	11/7/1990	PIG PANS, PADS	7.4	36	79	C-753-A	TM
	10847	CAS-10935	11/7/1990	RAGS	7.4	43	95	C-753-A	TM
	10847	CAS-10936	11/7/1990	ZORBALL, PIG PANS, PADS	7.4	71	156	C-753-A	TM
	10847	CAS-10937	11/7/1990	PIG PANS	7.4	44	97	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	10847	CAS-10938	11/7/1990	FLOOR SWEEP	7.4	39	87	C-753-A	TM
	10847	CAS-11191	11/7/1990	PIG PANS, PADS PILLOWS PER SAMP	7.4	46	101	C-753-A	TM
	10847	CAS-11192	11/7/1990	PIG PANS, PADS PILLOWS PER SAMP	7.4	45	100	C-753-A	TM
	10849	CAS-10924	11/7/1990	PIG, PANS & PADS	7.4	39	85	C-753-A	TM
	10849	CAS-10925	11/7/1990	PIG, PANS & PADS	7.4	44	96	C-753-A	TM
	10849	CAS-10926	11/7/1990	PIG, PANS & PADS	7.4	44	98	C-753-A	TM
	10850	CAS-11054	11/18/1990	TRASH,OIL SOAKED PADS, & PILLOWS	7.4	50	111	C-753-A	TM
	10850	CAS-11055	11/18/1990	TRASH,OIL SOAKED PADS, & PILLOWS	7.4	52	114	C-753-A	TM
	10850	CAS-11056	11/18/1990	TRASH,OIL SOAKED PADS, & PILLOWS	7.4	45	99	ENERGYSOL	TM
	10850	CAS-11057	11/18/1990	TRASH,OIL SOAKED PADS, & PILLOWS	7.4	49	107	C-753-A	TM
	108510	108510-01	11/11/2005	PCB SOLIDS - PPE, PADS, RAGS, MOPHEADS	7.4	53	116	C-753-A	TM
	108514	108514-01	3/27/2006	PCB SOLIDS - PPE, PADS, FILTERS, PLASTIC	11.4	112	248	ENERGYSOL	TM
	108557	108557-01	3/23/2006	PCB SOLIDS FROM WORK IN PCB SPILL AREAS AND PCB CAPACITOR REMOVAL PROJECTS. PPE, RAGS, PADS, MOPHEADS, GLOVES, ETC.	7.4	55	121	C-753-A	TM
	108561	108561-01	5/8/2008	PCB SOLIDS FROM PCB-748 DECON. DTS 5/8/08 (PPE, MOPHEADS, PAD, LINERS)	7.4	32	70	C-752-A	TM
	108565	108565-01	7/7/2005	PCB SOLIDS FROM CLEANUP OF GASKET 1768. PADS, PPE, RAGS, GLASS.	7.4	59	129	C-753-A	TM
	108568	108568-01	12/17/2004	PCB SOLIDS FROM SPILL CLEANUP	7.4	0	1	C-727	TM
	108569	108569-01	4/5/2005	PCB SOLIDS FROM SPILL CLEANUP	7.4	39	87	C-753-A	TM
	108570	108570-01	11/4/2004	PCB SOLIDS FROM SPILL #748. PPE, PADS, GLOVES, RAGS	7.4	49	107	C-753-A	TM
	108571	108571-01	11/4/2004	PCB SOLIDS FROM PCB SPILL 748 AT 72P8B. PPE, GLOVES, BOOTIES, BAG, MOPHEAD.	7.4	61	135	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	108571	108571-02	3/15/2006	PCB SOLIDS FROM PCB SPILL 748 AT 72P8B. PPE, GLOVES, BOOTIES, BAG, MOPHEAD.	7.4	53	116	C-753-A	TM
	108571	108571-03	3/15/2006	PCB SOLIDS FROM PCB SPILL 748 AT 72P8B. PPE, GLOVES, BOOTIES, BAG, MOPHEAD.	7.4	50	111	C-753-A	TM
	108571	108571-04	3/15/2006	PCB SOLIDS FROM PCB SPILL 748 AT 72P8B. PPE, GLOVES, BOOTIES, BAG, MOPHEAD.	7.4	40	88	C-753-A	TM
	108572	108572-01	11/4/2004	PCB SOLIDS FROM SPILL CLEANUP. PPE, RAGS, GLOVES, PADS, BOOTIES.	7.4	43	94	C-753-A	TM
	108580	108580-01	12/2/1999	PPE FROM PCB SPILL CLEANUP, SPILL 643.	4	19	42	ENERGYSOL	TM
	108599	108599-01	7/8/2005	SOLIDS FROM CLEANUP OF PCB SPILL 771, 772, 1768. PPE, RAGS, MOP HEAD.	7.4	54	120	C-753-A	TM
	108600	108600-01	1/4/2000	PCB SOLIDS	7.4	0	1	C-727	TM
	108885	108885-01	4/6/2006	PCB SPILL CLEANUP SOLIDS - PPE, PLASTIC, RAGS, PADS	7.4	46	101	C-753-A	TM
	108886	108886-01	7/12/2006	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	7.4	41	91	C-753-A	TM
	108888	108888-01	9/18/2006	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	7.4	44	97	C-753-A	TM
	108888	108888-02	12/19/2006	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	7.4	50	110	C-753-A	TM
	108888	108888-03	3/29/2007	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	7.4	50	111	C-753-A	TM
	108888	108888-05	7/12/2007	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	7.4	52	114	C-753-A	TM
	108888	108888-06	11/5/2007	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	7.4	51	112	C-753-A	TM
	108892	108892-01	1/8/2007	PCB SOLID SPILL CLEANUP DEBRIS; PPE, RAGS	7.4	44	97	C-753-A	TM
	108892	108892-02	12/28/2006	PCB SOLID SPILL CLEANUP DEBRIS; PPE, RAGS	7	0	1	C-752-A	TM
	108896	108896-01	2/28/2008	PPE, PLASTIC, RAGS, PADS FROM DECON OF PCB RAMS IN DMSA 337-35.	7.4	47	103	C-753-A	TM
	108896	108896-02	5/14/2008	PPE, PLASTIC, RAGS, PADS FROM DECON OF PCB RAMS IN DMSA 337-35.	7.4	48	106	C-753-A	TM
	108896	108896-03	5/19/2008	PPE, PLASTIC, RAGS, PADS FROM DECON OF PCB RAMS IN DMSA 337-35.	7.4	47	104	C-753-A	TM
	108897	108897-01	7/16/2008	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	7.4	37	82	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	108899	108899-01	12/4/2008	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	7.4	46	101	C-746-Q	TM
	108902	108902-01	1/18/2007	MISCELLANEOUS WASTE FROM PCB TROUGHING ACTIVITIES (PVC PIPING, VALVES, FITTINGS, GLOVES, RAGS).	7.4	29	64	C-753-A	TM
	108902	108902-02	8/20/2007	MISCELLANEOUS WASTE FROM PCB TROUGHING ACTIVITIES (PVC PIPING, VALVES, FITTINGS, GLOVES, RAGS).	7.4	38	83	C-753-A	TM
	108926	108926-01	2/14/2006	PCB SOLID SPILL CLEANUP DEBRIS/PPE	7.4	50	111	C-753-A	TM
	108954	108954-01	7/25/2006	OIL FILTERS FROM HILCO FILTER PUMPS (RFD 108951). NO FREE LIQUIDS. METAL FRAMED FILTERS.	11.4	181	399	C-753-A	TM
	108955	108955-01	10/19/2006	PCB SOLIDS FROM SPILL CLEANUP/SAMPLING. PPE, MOP, ABSORBENTS, RAGS, PLASTIC, FLAGGING.	7.4	63	138	C-753-A	TM
	108956	108956-01	8/8/2006	PCB SOLIDS FROM SPILL CLEANUP/SAMPLING. PPE, PADS, RAGS, FLAGGING, TAPE.	7.4	57	125	C-753-A	TM
	108960	108960-01	11/14/2006	PCB SOLIDS - SPILL CLEANUP / PREPPING FOR ENCAPSULATIONS.	7.4	131	289	C-753-A	TM
	108965	108965-01	8/14/2007	PCB SOLIDS FROM MAINTENANCE AND SPILL CLEANUP (PPE, RAGS, PADS)	7.4	53	117	C-753-A	TM
	108973	108973-01	2/19/2007	PCB SOLIDS FROM MAINTENANCE AND SPILL CLEANUP (PPE, RAGS, MORTER, CONCRETE PIECES, PADS, MOPHEADS).	7.4	64	141	ENERGYSOL	TM
	108977	108977-01	6/5/2007	PCB SOLIDS FROM SPILL CLEANUP (PCB 1835). PPE, RAGS, PADS, MOPHEADS	7.4	45	99	C-753-A	TM
	108978	108978-01	5/23/2007	PCB SOLIDS FROM SPILL CLEANUP (GASKET 1835). RAGS, PPE, PADS, MOPHEADS	7.4	70	155	C-753-A	TM
	108979	108979-01	4/12/2007	PCB SOLIDS FROM MAINTENANCE ACTIVITIES (PLASTIC, RAGS, PPE).	7.4	56	124	C-753-A	TM
	108989	108989-01	11/23/2007	PCB SOLIDS FROM SPILL CLEANUP.	7.4	49	107	C-753-A	TM
	108990	108990-01	1/3/2008	PCB SOLIDS FROM WORK ON C-337 2-1-A, 2-1-B (REPAIR OF TRANSFORMERS ASSOCIATED WITH NON-GASKET SPILLS 798 AND 801, RESPECTIVELY). (PADS, RAGS, PIGS, ETC)	7.4	48	106	ENERGYSOL	TM
	108990	108990-02	1/3/2008	PCB SOLIDS FROM WORK ON C-337 2-1-A, 2-1-B (REPAIR OF TRANSFORMERS ASSOCIATED WITH NON-GASKET SPILLS 798 AND 801, RESPECTIVELY). (PADS, RAGS, PIGS, ETC)	7.4	44	96	ENERGYSOL	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	108990	108990-03	1/3/2008	PCB SOLIDS FROM WORK ON C-337 2-1-A, 2-1-B (REPAIR OF TRANSFORMERS ASSOCIATED WITH NON-GASKET SPILLS 798 AND 801, RESPECTIVELY). (PADS, RAGS, PIGS, ETC)	7.4	39	85	ENERGYSOL	TM
	108990	108990-04	1/18/2008	PCB SOLIDS FROM WORK ON C-337 2-1-A, 2-1-B (REPAIR OF TRANSFORMERS ASSOCIATED WITH NON-GASKET SPILLS 798 AND 801, RESPECTIVELY). (PADS, RAGS, PIGS, ETC)	7.4	58	128	ENERGYSOL	TM
	108990	108990-05	1/18/2008	PCB SOLIDS FROM WORK ON C-337 2-1-A, 2-1-B (REPAIR OF TRANSFORMERS ASSOCIATED WITH NON-GASKET SPILLS 798 AND 801, RESPECTIVELY). (PADS, RAGS, PIGS, ETC)	7.4	58	128	ENERGYSOL	TM
	108995	108995-01	1/30/2008	METAL CONTAMINATED WITH PCBS (LIGHT FIXTURES). DTS 01-30-08	90	604	1331	C-753-A	TM
	10905	10905-02	12/13/2000	MISCELLANEOUS TRASH	7.4	45	99	ENERGYSOL	TM
	10905	10905-03	12/13/2000	MISCELLANEOUS TRASH	7.4	42	93	ENERGYSOL	TM
	10905	10905-07	12/13/2000	MISCELLANEOUS TRASH	7.4	44	98	ENERGYSOL	TM
	109153	109153-01	10/31/2005	BCS WASTE FROM PCB SAMPLING ACTIVITIES (PAPER, PLASTIC, PADS, PPE)	7.4	39	87	C-753-A	TM
	109157	109157-01	6/12/2008	BCS SAMPLING DEBRIS - PPE, PLASTIC, PADS, GLASS	7.4	58	127	ENERGYSOL	RTM
	109158	109158-01	8/21/2007	PCB SAMPLING DEBRIS (BCS) - PPE, PADS, PLASTIC, GLASS	7.4	49	107	C-753-A	TM
	109162	109162-01	2/27/2008	PPE/SAMPLING DEBRIS FROM TSCAL07-01 PROJECT	7.4	41	90	ENERGYSOL	RTM
	109163	109163-01	2/27/2008	PPE/SAMPLING DEBRIS FROM TSCAL07-01 PROJECT	7.4	52	115	ENERGYSOL	RTM
	109169	109169-01	3/13/1990	PUNCTURED AEROSOL CANS FROM 101930-01 AND 123126-01.	0.67	7	15	C-733	TM
	10931	CAS-15281	12/18/1989	ZORBALL	7.4	115	254	ENERGYSOL	TM
	10931	CAS-15282	12/18/1989	ZORBALL	7.4	114	252	ENERGYSOL	TM
	10931	CAS-15283	12/18/1989	ZORBALL	7.4	86	189	ENERGYSOL	TM
	10931	CAS-15284	12/18/1989	FLOOR SWEEP	7.4	95	210	ENERGYSOL	TM
	10931	CAS-15285	12/18/1989	FLOOR SWEEP/TRASH	7.4	120	264	ENERGYSOL	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	10931	CAS-15286	12/18/1989	ZORBALL	7.4	82	180	ENERGYSOL	TM
	10931	CAS-15287	12/18/1989	ZORBALL	7.4	91	200	ENERGYSOL	TM
	10931	CAS-15288	12/18/1989	ZORBALL	7.4	116	255	ENERGYSOL	TM
	10931	CAS-15289	12/18/1989	ZORBALL	7.4	115	254	ENERGYSOL	TM
	10931	CAS-15290	12/18/1989	ZORBALL	7.4	106	234	ENERGYSOL	TM
	10931	CAS-15291	12/18/1989	ZORBALL	7.4	94	208	ENERGYSOL	TM
	10978	CAS-15247	9/26/1989	FLOOR SWEEP	7.4	100	221	ENERGYSOL	TM
	10978	CAS-15249	9/26/1989	FLOORSWEEP	7.4	53	116	C-753-A	TM
	10978	CAS-15250	9/26/1989	FLOOR SWEEP	11.4	135	297	ENERGYSOL	TM
	10978	CAS-15251	9/26/1989	FLOOR SWEEP	7.4	103	226	ENERGYSOL	TM
	10978	CAS-15252	9/26/1989	FLOOR SWEEP	11.4	134	296	ENERGYSOL	TM
	10978	CAS-15253	9/26/1989	FLOOR SWEEP	11.4	145	319	ENERGYSOL	TM
	10978	CAS-15254	9/26/1989	FLOOR SWEEP	7.4	104	230	ENERGYSOL	TM
	10978	CAS-15256	9/26/1989	FLOOR SWEEP	7.4	103	226	ENERGYSOL	TM
	10979	CAS-09491	10/13/1989	FLOOR SWEEP	7.4	205	453	ENERGYSOL	TM
	10979	CAS-09492	10/13/1989	FLOOR SWEEP	7.4	108	238	C-753-A	TM
	10979	CAS-09493	10/13/1989	FLOOR SWEEP	7.4	104	230	ENERGYSOL	TM
	10979	CAS-09494	10/13/1989	FLOOR SWEEP	7.4	110	243	C-753-A	TM
	10979	CAS-09495	10/13/1989	FLOOR SWEEP	7.4	106	233	ENERGYSOL	TM
	10979	CAS-09496	10/13/1989	ZORBALL	7.4	106	234	C-753-A	TM
	10979	CAS-09497	10/13/1989	FLOOR SWEEP	7.4	119	262	ENERGYSOL	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	10979	CAS-09498	10/13/1989	FLOORSWEEP	7.4	91	201	ENERGYSOL	TM
	10979	CAS-09499	10/13/1989	FLOORSWEEP	7.4	98	215	C-753-A	TM
	10979	CAS-09500	10/13/1989	FLOOR SWEEP	7.4	118	261	ENERGYSOL	TM
	10979	CAS-09501	10/13/1989	FLOOR SWEEP	7.4	105	232	ENERGYSOL	TM
	10980	CAS-15128	9/19/1989	FLOORSWEEP	7.4	74	164	C-753-A	TM
	10982	CAS-09596	10/31/1989	FLOORSWEEP	7.4	96	212	C-753-A	TM
	10982	CAS-09597	10/31/1989	FLOORSWEEP	7.4	110	243	C-753-A	TM
	10984	CAS-09576	10/26/1989	FLOORSWEEP	7.4	137	303	C-753-A	TM
	10984	CAS-09580	10/26/1989	FLOORSWEEP	7.4	137	302	C-753-A	TM
	10986	CAS-09515	11/2/1989	FLOORSWEEP	7.4	103	227	C-753-A	TM
	10986	CAS-09516	11/2/1989	FLOORSWEEP	7.4	117	257	C-753-A	TM
	10988	CAS-09631	11/7/1989	FLOOR SWEEP	7.4	115	253	ENERGYSOL	TM
	10990	CAS-09620	11/7/1989	DUST MOPS	7.4	68	151	C-753-A	TM
	10990	CAS-09621	11/7/1989	DUST MOPS	7.4	53	116	C-753-A	TM
	10992	CAS-09473	1/3/1990	FLOOR SWEEP	7.4	176	388	ENERGYSOL	TM
	10992	CAS-09474	1/3/1990	FLOORSWEEP	7.4	121	266	C-753-A	TM
	10993	CAS-09550	1/3/1990	FLOORSWEEP	7.4	96	212	C-753-A	TM
	10993	CAS-09554	1/3/1990	FLOORSWEEP	7.4	103	228	C-753-A	TM
	10993	CAS-09555	1/3/1990	FLOORSWEEP	7.4	98	217	C-753-A	TM
	10997	CAS-09778	1/5/1990	ZORBALL / FLOORSWEEP	7.4	112	248	C-753-A	TM
	10998	CAS-09849	2/1/1990	FLOOR SWEEP	7.4	117	259	ENERGYSOL	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	10998	CAS-09850	2/1/1990	FLOOR SWEEP	7.4	128	282	ENERGYSOL	TM
	10998	CAS-09851	2/1/1990	FLOORSWEEP	7.4	54	118	C-753-A	TM
	10998	CAS-09852	2/1/1990	FLOOR SWEEP	7.4	136	300	ENERGYSOL	TM
	10998	CAS-09853	2/1/1990	FLOOR SWEEP	7.4	108	238	ENERGYSOL	TM
	10998	CAS-09854	2/1/1990	FLOOR SWEEP	7.4	119	263	ENERGYSOL	TM
	10998	CAS-09855	2/1/1990	FLOOR SWEEP	11.4	163	359	ENERGYSOL	TM
	10998	CAS-09856	2/1/1990	FLOOR SWEEP	7.4	112	246	ENERGYSOL	TM
	10998	CAS-09857	2/1/1990	FLOOR SWEEP	7.4	109	241	ENERGYSOL	TM
	10998	CAS-09858	2/1/1990	FLOOR SWEEP	7.4	103	226	ENERGYSOL	TM
	10998	CAS-09859	2/1/1990	FLOOR SWEEP	7.4	118	260	ENERGYSOL	TM
	10998	CAS-09860	2/1/1990	FLOOR SWEEP	7.4	106	233	ENERGYSOL	TM
	11019	CAS-14013	5/7/1991	RAGS/GLOVES/TYVEK SUITS	11.4	119	263	ENERGYSOL	TM
	11026	CAS-12841	4/30/1991	AUTOCLAVE METAL FROM C-333-A	7.4	59	130	C-746-A	TM
	11074	CAS-14690	10/16/1991	TYVEKS/TRASH/BOOTIES/SPILL CLNUP	7.4	42	92	ENERGYSOL	TM
	11083	CAS-14857	5/10/1991	TYVEKS AND MISC	11.4	145	320	ENERGYSOL	TM
	11083	CAS-14858	5/10/1991	CONCRETE/SAND	7.4	310	684	C-746-A	TM
	11083	CAS-14859	5/10/1991	CONCRETE/SAND	7.4	278	613	C-752-A	TM
	11083	CAS-14860	5/10/1991	CONCRETE/SAND	11.4	331	729	C-753-A	TM
	11093	CAS-14960	2/18/1992	GLOVES/PLASTIC/SHOES/MASLIN	7.4	44	98	ENERGYSOL	TM
	11097	CAS-14969	3/6/1992	PLASTIC/PPE/ZORBALL	11.4	93	205	C-753-A	TM
	111807	111807-01	1/29/2002	DMSA PCB COLLECTION CONTAINER	7.4	37	82	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	113327	113327-01	8/15/2002	PCB RAD WASTE FROM DMSAS	7.4	35	78	C-753-A	TM
	113600	113600-01	8/7/2002	PCB SPILL CLEANUP DEBRIS, GLOVES, RAGS, PLASTIC, SCRUB PADS	7.4	87	192	C-753-A	TM
	113891	113891-01	10/10/2007	PPE/PLASTIC/PADS/RAGS GENERATED FROM SHIPMENT OF TSCAL05-02 (638-01R). RAGS FOUND FROM 109738-01 FOUND AFTER PUMPING.	7.4	73	162	ENERGYSOL	RTM
	113891	113891-02	10/10/2007	PPE/PLASTIC/PADS/RAGS GENERATED FROM SHIPMENT OF TSCAL05-02 (638-01R). RAGS FOUND FROM 109738-01 FOUND AFTER PUMPING.	7.4	34	75	ENERGYSOL	RTM
	113891	113891-03	10/10/2007	PPE/PLASTIC/PADS/RAGS GENERATED FROM SHIPMENT OF TSCAL05-02 (638-01R). RAGS FOUND FROM 109738-01 FOUND AFTER PUMPING.	7.4	39	85	ENERGYSOL	RTM
	113891	113891-04	10/10/2007	PPE/PLASTIC/PADS/RAGS GENERATED FROM SHIPMENT OF TSCAL05-02 (638-01R). RAGS FOUND FROM 109738-01 FOUND AFTER PUMPING.	7.4	64	140	ENERGYSOL	RTM
	114010	114010-01	9/24/2002	PCB SPILL CLEANUP DEBRIS, GLOVES, RAGS, PLASTIC, SCRUB PADS	7.4	47	104	C-753-A	TM
	11502	CAS-09703	2/2/1990	FLOORSWEEP	11.4	122	270	C-753-A	TM
	11502	CAS-09704	2/2/1990	FLOORSWEEP	11.4	115	253	C-753-A	TM
	11504	CAS-09701	2/2/1990	DUST MOPS	7.4	57	126	ENERGYSOL	TM
	11504	CAS-09702	2/2/1990	DUST MOPS	7.4	48	105	C-753-A	TM
	11505	CAS-10063	3/1/1990	FLOOR SWEEP	7.4	104	229	C-753-A	TM
	11506	CAS-09705	11/27/1990	USED DUST MOPS	7.4	54	118	C-753-A	TM
	11507	CAS-10295	3/25/1990	FLOOR SWEEP	7.4	107	236	C-753-A	TM
	11507	CAS-10296	3/25/1990	FLOOR SWEEP	7.4	116	256	ENERGYSOL	TM
	11511	CAS-10262	6/5/1990	FLOOR SWEEP	7.4	103	227	C-753-A	TM
	11511	CAS-10269	6/4/1990	FLOORSWEEP	7.4	96	211	C-753-A	TM
	11511	CAS-10270	6/24/1990	FLOOR SWEEP	7.4	70	155	ENERGYSOL	TM
	11512	CAS-10727	8/24/1990	USED FLOOR SWEEP	7.4	115	254	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	11513	CAS-11008	10/25/1990	USED FLOOR SWEEP	7.4	93	204	C-753-A	TM
	11513	CAS-11009	10/25/1990	USED FLOOR SWEEP	7.4	68	149	C-753-A	TM
	11513	CAS-11010	10/25/1990	USED FLOOR SWEEP	7.4	106	233	C-753-A	TM
	11513	CAS-11011	10/25/1990	USED FLOOR SWEEP	7.4	103	226	C-753-A	TM
	11513	CAS-11012	10/25/1990	USED FLOOR SWEEP	7.4	98	217	C-753-A	TM
	11513	CAS-11013	10/25/1990	USED FLOOR SWEEP	7.4	98	217	C-753-A	TM
	11513	CAS-11014	10/25/1990	USED FLOOR SWEEP	7.4	88	195	C-753-A	TM
	11514	CAS-11350	12/19/1990	FLOOR SWEEP	7.4	121	267	C-753-A	TM
	115174	115174-01	2/4/2003	PCB SOLIDS: PPE, PLASTIC, RAGS, SCRUB PADS, PADS, PLASTIC VALVE.	7.4	44	96	ENERGYSOL	TM
	115175	115175-01	3/12/2003	PCB SOLIDS: PPE, PLASTIC, RAGS, SCRUBPADS.	7.4	59	129	ENERGYSOL	TM
	11526	CAS-10245	4/17/1990	FLOOR SWEEP	7.4	105	232	ENERGYSOL	TM
	11526	CAS-10253	4/17/1990	FLOOR SWEEP	7.4	118	260	C-753-A	TM
	11529	CAS-10171	6/7/1990	FLOOR SWEEP	7.4	111	245	ENERGYSOL	TM
	11529	CAS-10173	6/15/1990	FLOOR SWEEP	7.4	103	227	C-753-A	TM
	11530	CAS-10180	4/17/1990	DUST MOPS	7.4	68	150	C-753-A	TM
	11532	CAS-11208	11/27/1990	USED FLOOR SWEEP	7.4	84	186	C-753-A	TM
	11532	CAS-11209	11/27/1990	USED FLOOR SWEEP	7.4	102	225	C-753-A	TM
	11532	CAS-11210	11/27/1990	USED FLOOR SWEEP	7.4	95	209	C-753-A	TM
	11532	CAS-11211	11/27/1990	USED FLOOR SWEEP	7.4	109	241	C-753-A	TM
	11532	CAS-11212	11/27/1990	USED FLOOR SWEEP	7.4	90	198	C-753-A	TM
	11532	CAS-11213	11/27/1990	USED FLOOR SWEEP	7.4	114	251	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	11532	CAS-11214	11/27/1990	USED FLOOR SWEEP	7.4	98	217	C-753-A	TM
	11532	CAS-11215	11/27/1990	USED FLOOR SWEEP	7.4	99	219	C-753-A	TM
	11532	CAS-11217	11/27/1990	USED FLOOR SWEEP	7.4	108	238	C-753-A	TM
	11532	CAS-11218	11/27/1990	USED FLOOR SWEEP	7.4	99	219	C-753-A	TM
	11532	CAS-11219	11/27/1990	USED FLOOR SWEEP	7.4	78	173	C-753-A	TM
	11532	CAS-11220	11/27/1990	USED FLOOR SWEEP	7.4	102	224	C-753-A	TM
	11532	CAS-11221	11/27/1990	USED FLOOR SWEEP	7.4	93	206	C-753-A	TM
	11532	CAS-11222	11/27/1990	USED FLOOR SWEEP	7.4	109	241	C-753-A	TM
	11532	CAS-11223	11/27/1990	USED FLOOR SWEEP	7.4	97	214	C-753-A	TM
	11532	CAS-11224	11/27/1990	USED FLOOR SWEEP	7.4	109	240	C-753-A	TM
	11532	CAS-11225	11/27/1990	USED FLOOR SWEEP	7.4	126	278	C-753-A	TM
	11532	CAS-11226	11/27/1990	USED FLOOR SWEEP	7.4	113	250	C-753-A	TM
	11532	CAS-11227	11/27/1990	USED FLOOR SWEEP	7.4	97	213	ENERGYSOL	TM
	11532	CAS-11228	11/27/1990	USED FLOOR SWEEP	7.4	107	235	C-753-A	TM
	11532	CAS-11230	11/27/1990	USED FLOOR SWEEP	7.4	107	236	C-753-A	TM
	11532	CAS-11231	11/27/1990	USED FLOOR SWEEP	7.4	108	239	C-753-A	TM
	11532	CAS-11232	11/27/1990	USED FLOOR SWEEP	7.4	104	229	C-753-A	TM
	11533	CAS-12583	1/19/1991	FLOOR SWEEP	7.4	96	212	C-753-A	TM
	11533	CAS-12584	1/19/1991	FLOOR SWEEP	7.4	95	210	C-753-A	TM
	11533	CAS-12585	1/19/1991	FLOOR SWEEP	7.4	68	151	C-753-A	TM
	11533	CAS-12586	1/19/1991	FLOOR SWEEP	7.4	94	207	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	11533	CAS-12587	1/19/1991	FLOOR SWEEP	7.4	103	226	C-753-A	TM
	11533	CAS-12588	1/19/1991	FLOOR SWEEP	7.4	93	205	C-753-A	TM
	11536	CAS-12721	2/26/1991	FLOOR SWEEP	7.4	89	196	C-753-A	TM
	11536	CAS-12722	2/26/1991	FLOOR SWEEP	7.4	89	196	C-753-A	TM
	11536	CAS-12723	2/26/1991	FLOOR SWEEP	7.4	89	196	C-753-A	TM
	11536	CAS-12724	2/26/1991	FLOOR SWEEP	7.4	76	168	C-753-A	TM
	11536	CAS-12725	2/26/1991	FLOOR SWEEP	7.4	99	218	C-753-A	TM
	11536	CAS-12726	2/26/1991	FLOOR SWEEP	7.4	99	218	C-753-A	TM
	11540	CAS-12895	6/22/1994	FLOOR SWEEP/MOPS	7.4	53	116	C-753-A	TM
	11540	CAS-12896	4/23/1991	FLOOR SWEEP/MOPS	7.4	102	224	C-753-A	TM
	11540	CAS-12898	3/5/1994	FLOOR SWEEP/MOPS	7.4	92	203	C-753-A	TM
	11553	CAS-10359	3/6/1990	FLOOR SWEEP	11.4	132	292	C-753-A	TM
	11554	CAS-10734	6/1/1990	USED FLOORSWEEP	7.4	113	249	C-753-A	TM
	11555	CAS-10765	8/1/1990	USED FLOOR SWEEP	7.4	105	231	C-753-A	TM
	11556	CAS-10997	10/9/1990	USED FLOOR SWEEP	7.4	89	196	C-753-A	TM
	11556	CAS-10998	10/9/1990	USED FLOOR SWEEP	7.4	96	211	C-753-A	TM
	11556	CAS-10999	10/9/1990	USED FLOOR SWEEP	7.4	117	257	C-753-A	TM
	11556	CAS-11000	10/9/1990	USED FLOOR SWEEP	7.4	101	223	C-753-A	TM
	11556	CAS-11001	10/9/1990	USED FLOOR SWEEP	7.4	100	221	C-753-A	TM
	11556	CAS-11002	10/9/1990	USED FLOOR SWEEP	7.4	108	238	C-753-A	TM
	11556	CAS-11003	10/9/1990	USED FLOOR SWEEP	7.4	107	235	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	11556	CAS-11004	10/9/1990	USED FLOOR SWEEP	7.4	127	279	C-753-A	TM
	11556	CAS-11005	10/9/1990	USED FLOOR SWEEP	7.4	109	240	C-753-A	TM
	11556	CAS-11006	10/9/1990	USED FLOOR SWEEP	7.4	112	246	C-753-A	TM
	11556	CAS-11007	10/9/1990	USED FLOOR SWEEP	7.4	91	201	C-753-A	TM
	115562	115562-01	7/6/2006	PANS, PADS, PILLOWS	7.4	54	119	C-753-A	TM
	115563	115563-01	7/6/2006	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7.4	40	88	C-753-A	TM
	115563	115563-02	7/6/2006	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7.4	47	103	C-753-A	TM
	115563	115563-03	7/6/2006	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7.4	55	122	C-753-A	TM
	115563	115563-04	7/6/2006	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7.4	71	157	C-753-A	TM
	115563	115563-05	7/6/2006	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7.4	71	157	C-753-A	TM
	115563	115563-06	7/6/2006	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	11.4	89	196	C-753-A	TM
	115563	115563-07	7/6/2006	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7.4	49	109	C-753-A	TM
	115563	115563-08	7/6/2006	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7.4	33	72	C-753-A	TM
	115563	115563-09	7/6/2006	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7.4	59	130	C-753-A	TM
	115563	115563-10	7/6/2006	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7.4	45	99	C-753-A	TM
	115563	115563-11	7/6/2006	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7.4	60	133	C-753-A	TM
	115563	115563-12	7/6/2006	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7.4	49	108	C-753-A	TM
	115563	115563-13	7/6/2006	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7.4	127	280	C-753-A	TM
	115563	115563-14	7/6/2006	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7.4	48	106	C-753-A	TM
	115563	115563-15	7/6/2006	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7.4	54	119	C-753-A	TM
	115563	115563-16	7/6/2006	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7.4	78	172	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	115563	115563-17	7/6/2006	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7.4	45	100	C-753-A	TM
	115563	115563-18	7/6/2006	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7.4	94	208	C-753-A	TM
	115563	115563-19	7/6/2006	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7.4	103	226	C-753-A	TM
	115563	115563-20	7/6/2006	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7.4	45	100	C-753-A	TM
	115563	115563-21	7/6/2006	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7.4	56	124	C-753-A	TM
	115563	115563-22	7/6/2006	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7.4	48	106	C-753-A	TM
	115563	115563-23	7/6/2006	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7.4	53	117	C-753-A	TM
	115563	115563-24	7/6/2006	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7.4	103	226	C-753-A	TM
	115563	115563-25	7/6/2006	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	7.4	67	147	C-753-A	TM
	115571	115571-01	7/19/2006	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	7.4	82	180	C-753-A	TM
	115571	115571-02	7/19/2006	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	7.4	57	125	C-753-A	TM
	115571	115571-03	7/19/2006	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	7.4	52	115	C-753-A	TM
	115571	115571-04	7/19/2006	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	7.4	52	114	C-753-A	TM
	115571	115571-05	7/19/2006	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	7.4	44	96	C-753-A	TM
	115571	115571-06	7/19/2006	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	7.4	49	107	C-753-A	TM
	115571	115571-07	7/19/2006	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	7.4	50	110	C-753-A	TM
	115571	115571-08	7/19/2006	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	7.4	57	126	C-753-A	TM
	115571	115571-09	7/19/2006	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	7.4	57	126	C-753-A	TM
	115571	115571-10	7/19/2006	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	7.4	53	116	C-753-A	TM
	115572	115572-01	7/19/2006	CONTAMINATED TRASH - FLAGGING, FLOORSWEEP, HOSE, CONCRETE, GLOVES, PLASTIC, MASLIN, A/C FILTERS, PIPE FITTINGS, SHIM STOCK, ETC.	7.4	69	152	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	115572	115572-02	7/19/2006	CONTAMINATED TRASH - FLAGGING, FLOORSWEEP, HOSE, CONCRETE, GLOVES, PLASTIC, MASLIN, A/C FILTERS, PIPE FITTINGS, SHIM STOCK, ETC.	7.4	82	181	C-753-A	TM
	11558	CAS-11388	1/8/1991	FLOOR SWEEP	7.4	93	205	C-753-A	TM
	11558	CAS-11389	1/8/1991	FLOOR SWEEP	7.4	91	201	C-753-A	TM
	11558	CAS-11390	1/8/1991	FLOOR SWEEP	7.4	100	220	C-753-A	TM
	11558	CAS-11391	1/8/1991	FLOOR SWEEP	7.4	91	201	C-753-A	TM
	11558	CAS-11392	1/8/1991	FLOOR SWEEP	7.4	75	165	C-753-A	TM
	11558	CAS-11393	1/8/1991	FLOOR SWEEP	7.4	93	206	C-753-A	TM
	11558	CAS-11394	1/8/1991	FLOOR SWEEP	7.4	94	208	C-753-A	TM
	11558	CAS-11395	1/8/1991	FLOOR SWEEP	7.4	80	177	C-753-A	TM
	11558	CAS-11396	1/8/1991	FLOOR SWEEP	7.4	96	212	C-753-A	TM
	11558	CAS-11397	1/8/1991	FLOOR SWEEP	7.4	92	202	C-753-A	TM
	11560	CAS-12907	4/4/1991	FLOOR SWEEP/MOPS	7.4	92	202	ENERGYSOL	TM
	11560	CAS-12908	4/4/1991	FLOOR SWEEP/MOPS	7.4	112	246	ENERGYSOL	TM
	11560	CAS-12909	4/4/1991	FLOOR SWEEP/MOPS	7.4	94	208	ENERGYSOL	TM
	11561	CAS-12880	4/9/1991	FLOOR SWEEP/MOPS	7.4	73	160	ENERGYSOL	TM
	11561	CAS-12881	4/9/1991	FLOOR SWEEP/MOPS	7.4	93	206	ENERGYSOL	TM
	11561	CAS-12882	4/9/1991	FLOOR SWEEP/MOPS	7.4	88	194	ENERGYSOL	TM
	11561	CAS-12883	4/9/1991	FLOOR SWEEP/MOPS	7.4	93	206	ENERGYSOL	TM
	11562	CAS-12935	4/11/1991	FLOOR SWEEP/MOPS	7.4	89	196	ENERGYSOL	TM
	11562	CAS-12936	4/11/1991	FLOOR SWEEP/MOPS	7.4	81	178	ENERGYSOL	TM
	11562	CAS-12937	4/11/1991	FLOOR SWEEP/MOPS	7.4	86	190	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	11562	CAS-12938	4/11/1991	FLOOR SWEEP/MOPS	7.4	88	194	ENERGYSOL	TM
	11562	CAS-12939	4/11/1991	FLOOR SWEEP/MOPS	7.4	79	174	ENERGYSOL	TM
	11562	CAS-12940	4/11/1991	FLOOR SWEEP/MOPS	7.4	84	186	C-753-A	TM
	11563	CAS-12941	4/16/1991	FLOOR SWEEP/MOPS	7.4	88	194	ENERGYSOL	TM
	11563	CAS-12942	4/16/1991	FLOOR SWEEP/MOPS	7.4	88	193	ENERGYSOL	TM
	11563	CAS-12943	4/16/1991	FLOOR SWEEP/MOPS	7.4	87	191	ENERGYSOL	TM
	11563	CAS-12944	4/16/1991	FLOOR SWEEP/MOPS	7.4	88	195	C-753-A	TM
	11564	CAS-12945	4/18/1991	FLOOR SWEEP/MOPS	7.4	90	199	C-753-A	TM
	11564	CAS-12946	4/18/1991	FLOOR SWEEP/MOPS	7.4	95	209	C-753-A	TM
	11564	CAS-12947	4/18/1991	FLOOR SWEEP/MOPS	7.4	97	213	C-753-A	TM
	11564	CAS-12948	4/18/1991	FLOOR SWEEP/MOPS	7.4	98	215	C-753-A	TM
	11564	CAS-12949	4/18/1991	FLOOR SWEEP/MOPS	7.4	101	222	C-753-A	TM
	11565	CAS-14105	6/4/1991	FLOOR SWEEP	7.4	81	178	ENERGYSOL	TM
	11565	CAS-14106	6/4/1991	FLOOR SWEEP	7.4	93	204	C-753-A	TM
	11565	CAS-14107	6/4/1991	FLOOR SWEEP	7.4	93	206	C-753-A	TM
	11565	CAS-14108	6/4/1991	FLOOR SWEEP	7.4	91	201	ENERGYSOL	TM
	11565	CAS-14109	6/4/1991	FLOOR SWEEP	7.4	93	204	ENERGYSOL	TM
	11576	CAS-10078	3/12/1990	FLOORSWEEP	7.4	122	269	C-753-A	TM
	11577	CAS-10398	5/11/1990	FLOOR SWEEP	7.4	104	230	ENERGYSOL	TM
	11577	CAS-10401	5/11/1990	FLOORSWEEP	7.4	106	233	C-753-A	TM
	11578	CAS-10945	8/10/1990	USED FLOOR SWEEP	7.4	84	186	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	11578	CAS-10946	8/10/1990	USED FLOOR SWEEP	7.4	103	226	ENERGYSOL	TM
	11580	CAS-11372	1/15/1991	FLOOR SWEEP	7.4	53	117	C-753-A	TM
	11580	CAS-11373	1/15/1991	FLOOR SWEEP	7.4	84	185	C-753-A	TM
	11580	CAS-11374	1/15/1991	FLOOR SWEEP	7.4	62	137	C-753-A	TM
	11580	CAS-11375	1/15/1991	FLOOR SWEEP	7.4	88	194	C-753-A	TM
	11580	CAS-11376	1/15/1991	FLOOR SWEEP	7.4	100	220	C-753-A	TM
	11580	CAS-11377	1/15/1991	FLOOR SWEEP	7.4	100	220	C-753-A	TM
	11584	CAS-14058	5/16/1991	FLOOR SWEEP/MOPS	7.4	90	199	C-753-A	TM
	11584	CAS-14059	5/16/1991	FLOOR SWEEP/MOPS	7.4	83	182	ENERGYSOL	TM
	11601	CAS-10040	2/23/1990	TACKY MATS	7.4	37	82	C-753-A	TM
	11605	CAS-10394	4/3/1990	TACKY MATS	7.4	44	97	C-753-A	TM
	11606	CAS-10395	4/3/1990	PADS	7.4	48	106	ENERGYSOL	TM
	11606	CAS-10425	4/3/1990	PADS	7.4	47	104	ENERGYSOL	TM
	11606	CAS-10426	4/3/1990	PADS	7.4	53	117	ENERGYSOL	TM
	11606	CAS-10427	4/3/1990	PIGS/PADS/RAGS/ETC.	7.4	50	110	ENERGYSOL	TM
	11613	CAS-10407	2/22/1990	PIGS/PADS/RAGS/ETC.	7.4	73	160	ENERGYSOL	TM
	116131	116131-01	6/2/2004	OILY PCB RAGS. ORIGINALLY GIVEN W# W03126	11.4	97	214	C-753-A	TM
	11628	CAS-10392	6/13/1990	TACKY MATS	7.4	42	93	C-753-A	TM
	11629	CAS-10389	6/14/1990	PIGS/PADS/RAGS/ETC.	7.4	45	100	C-753-A	TM
	11634	CAS-10391	6/22/1990	TACKY MATS	7.4	40	89	C-753-A	TM
	11636	CAS-10451	7/16/1990	TACKY MATS	7.4	43	94	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	11638	CAS-10385	7/30/1990	ZORBALL	7.4	190	419	C-753-A	TM
	11640	CAS-10382	7/31/1990	ZORBALL	7.4	169	372	C-753-A	TM
	11642	CAS-10378	7/31/1990	OIL PADS	11.4	112	247	ENERGYSOL	TM
	11654	CAS-10955	10/3/1990	FLOOR SWEEP	7.4	83	182	C-753-A	TM
	11654	CAS-11059	10/3/1990	OILY PADS, PIGS, & PILLOWS	7.4	49	107	C-753-A	TM
	11654	CAS-11060	10/3/1990	FLOOR SWEEP	7.4	82	180	C-753-A	TM
	11654	CAS-11061	10/3/1990	FLOOR SWEEP	7.4	88	195	C-753-A	TM
	11655	CAS-12633	11/2/1990	OILY RAGS	7.4	82	181	C-753-A	TM
	11656	CAS-10956	11/12/1990	OILY PADS AND PIGS	7.4	53	116	C-753-A	TM
	11660	CAS-11206	11/22/1990	OILY PADS, PIGS, ZORBALL	7.4	135	298	C-753-A	TM
	116601	116601-01	1/10/2006	MISC PCB METAL, PADS, RAGS, PLASTIC, PPE	0.67	17	37	C-753-A	TM
	11662	CAS-11207	11/22/1990	OILY PANS, PIGS & TRASH	7.4	46	102	ENERGYSOL	TM
	11664	CAS-11268	12/3/1990	OILY PANS, PIGS & TRASH	7.4	46	102	ENERGYSOL	TM
	11664	CAS-11271	12/3/1990	OILY PANS, PIGS & TRASH	7.4	44	97	C-753-A	TM
	11664	CAS-11274	12/3/1990	OILY PANS, PIGS & TRASH	7.4	46	101	C-753-A	TM
	11664	CAS-11276	12/3/1990	OILY PANS, PIGS & TRASH	7.4	46	101	ENERGYSOL	TM
	11666	CAS-11305	12/8/1990	PIGS AND TRASH	7.4	49	109	ENERGYSOL	TM
	11688	CAS-12513	12/19/1990	OIL CONTAMINATED TRASH	7.4	73	160	ENERGYSOL	TM
	116920	116920-01	10/15/2007	PCB PPE/PLASTIC/PADS	7	35	77	DMSA	TM
	116959	116959-01	9/11/2007	PCB SOLIDS (PPE, ABSORBENT PADS, ETC...)	0.67	6	13	C-753-A	TM
	117037	117037-01	3/12/2008	collection box for PCB and non-PCB items	96	703	1550	DMSA	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	1174	CAS-00448	7/17/1984	MISCELLANEOUS	7.4	91	200	C-746-A	TM
	118025	118025-01	6/17/1983	PCB SPILL CLEANUP (WOOD) RESULTING FROM CONTAINER 120035-01 WHICH CONSISTED OF PCB CONTAMINATED DECANT WATER FROM SEWER SLUDGE.	90	566	1247	C-752-A	TM
	118353	118353-01	7/1/2008	SPILL CLEANUP DEBRIS FROM PCB 805	7.4	41	90	ENERGYSOL	TM
	118360	118360-01	10/27/2008	LEAD-BEARING FUSES (12) WITH INSULATORS AND CABLE ATTACHED. ALL ITEMS HAVE SURFACE PCB CONTAMINATION FROM PCB 811 (INSIDE CAPACITOR CABINET).	7.4	70	155	C-752-A	RTM
	120010	120010-01	5/11/2005	PCB SOLID SPILL CLEANUP DEBRIS: PPE, RAGS, PADS, SCRUB PADS	7.4	51	113	C-753-A	TM
	120011	120011-01	6/29/2005	PCB SPILL CLEANUP DEBRIS - PPE, PADS, RAGS	7.4	51	113	C-753-A	TM
	120013	120013-01	7/21/2005	PCB SPILL CLEANUP DEBRIS; PPE, RAGS, PADS	7.4	54	118	C-753-A	TM
	120019	120019-01	2/8/2005	PCB CLEANUP DEBRIS: CONSISTS OF SARANEX SUITS, EAR PLUGS, NITRILE GLOVES, PCB PIPING, ETC. THESE WERE NOT GENERATED FROM A FISSILE AREA.	7.4	34	75	C-753-A	TM
	120019	120019-02	5/18/2005	PCB CLEANUP DEBRIS: CONSISTS OF SARANEX SUITS, EAR PLUGS, NITRILE GLOVES, PCB PIPING, ETC. THESE WERE NOT GENERATED FROM A FISSILE AREA.	7.4	32	71	C-753-A	TM
	120020	120020-01	7/20/2005	PCB CLEANUP DEBRIS; CONSISTS OF SARANEX SUITS, EAR PLUGS, NITRILE GLOVES, PCB PIPING, ETC. THESE WERE NOT FROM A FISSILE AREA.	7.4	40	89	C-753-A	TM
	120044	120044-01	11/2/2005	PCB SPILL CLEANUP DEBRIS; PPE, RAGS	7.4	56	123	C-753-A	TM
	120101	120101-01	12/13/2000	5 GALLON COLLECTION CONTAINER FOR MERCURY THEMOSTAT.	0.67	0	1	C-752-A	RTM
	120106	120106-01	12/4/2008	AEROSOL CAN PCB	7.4	0	1	C-733	RTM
	120127	120127-01	12/4/2008	MATERIAL FROM SPILL CLEANUP OF PCB CALIBRATOR 5 GAL DRUM (PLASTIC, PPE, ABSORBENT)	0.67	6	14	C-753-A	TM
	120253	120253-05	8/13/2008	SOIL PILES DIRT, SAMPLE RESIDUALS, TREE SAMPLES	7.4	197	434	C-753-A	RM
	120770	120770-01	9/24/2007	PAINT CHIPS AND FLOORSWEEP	7.4	144	317	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	120770	120770-02	9/24/2007	PAINT CHIPS AND FLOORSWEEP	7.4	143	315	C-753-A	TM
	120811	120811-01	8/28/2007	PCB SOLID WASTE - SPILL #1835 (APRON, SCUFFS, MOPHEAD, PLASTIC).	7.4	42	93	C-753-A	TM
	120831	120831-01	8/3/2007	PCB SOLIDS FROM SPILL CLEANUP AND ELECTRICAL MAINTENANCE (PADS, PPE, RAGS).	7.4	41	90	C-753-A	TM
	120848	120848-01	4/24/2007	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	7.4	86	189	ENERGYSOL	TM
	120848	120848-02	11/14/2007	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	7.4	71	156	ENERGYSOL	TM
	120848	120848-03	12/5/2007	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	7.4	76	167	ENERGYSOL	TM
	120848	120848-04	2/21/2008	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	7.4	46	101	ENERGYSOL	TM
	120848	120848-05	2/20/2008	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	7.4	58	128	ENERGYSOL	TM
	120848	120848-06	2/21/2008	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	7.4	60	132	ENERGYSOL	TM
	125055	125055-01	11/6/2002	PCB/HAZ/ POTENTIAL ASBESTOS CONTAMINATED LIGHT FIXTURE	0.67	8	17	ENERGYSOL	RTM
	125089	125089-01	7/12/1989	PPE, BCS WASTE, PLASTIC, AND TOOLS FROM TCE OILY SLUDGE PROJECT REMOVED FROM 125086-01.	90	375	826	ENERGYSOL	RTM
	12702	CAS-10087	3/15/1990	ZORBALL, GLOVES/SHOE COVERS/RAGS	7.4	51	113	C-753-A	TM
	12703	CAS-10085	3/15/1990	ZORBALL	11.4	151	332	ENERGYSOL	TM
	12981	CAS-10387	6/18/1990	GLOVES, RAGS, PIGS	7.4	159	350	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	13030	13030-10	12/13/2000	MISCELLANEOUS TRASH	7.4	83	182	ENERGYSOL	TM
	13030	13030-19	12/13/2000	MISCELLANEOUS TRASH	7.4	55	121	ENERGYSOL	TM
	13030	13030-53	12/13/2000	MISCELLANEOUS TRASH	7.4	41	90	ENERGYSOL	TM
	13042	CAS-11015	11/5/1990	TRASH, FLOOR SWEEP	7.4	59	131	ENERGYSOL	TM
	13224	CAS-11020	11/13/1990	RAGS, PAPER, OIL	7.4	97	213	C-753-A	TM
	13224	CAS-11021	11/13/1990	RAGS, PAPER, OIL	7.4	60	132	C-753-A	TM
	13228	CAS-11283	12/10/1990	RAGS, FILTERS	11.4	110	242	C-753-A	TM
	13228	CAS-11284	12/10/1990	RAGS, FILTERS	7.4	31	68	C-753-A	TM
	13234	CAS-12573	2/21/1991	RAGS/FILTERS/GLASS SMPL BOTTLES	11.4	138	304	C-753-A	TM
	13234	CAS-12574	2/21/1991	RAGS/FILTERS/GLASS SMPL BOTTLES	11.4	107	236	C-753-A	TM
	13239	CAS-12953	3/27/1991	PADS/PILLOWS/PIGS	7.4	128	283	C-753-A	TM
	13530	CAS-10128	6/14/1990	VACUUM CLEANER DUST/C400 OLD VAC/METAL SLAG	7.4	142	313	C-746-Q	TM
	13830	CAS-12607	2/1/1991	SMPLNG DEBRIS/PAPER/PLASTIC	7.4	44	97	C-753-A	TM
	13831	CAS-14836	2/11/1991	ZORBALL/FLR SWEEP/BLANKETS/SOIL	7.4	110	242	C-753-A	TM
	13832	CAS-12608	2/8/1991	LAB SAMPLES	7.4	108	237	C-753-A	TM
	13832	CAS-12609	2/8/1991	LAB SAMPLES	7.4	70	155	C-753-A	TM
	13834	CAS-14838	3/6/1991	SOIL/GRAVEL/ZORBALL/FLOOR SWEEP	7.4	123	271	C-753-A	TM
	13834	CAS-14839	3/6/1991	SOIL/GRAVEL/ZORBALL/FLOOR SWEEP	7.4	109	240	C-753-A	TM
	13834	CAS-14840	3/6/1991	SOIL/GRAVEL/ZORBALL/FLOOR SWEEP	7.4	117	257	C-753-A	TM
	13834	CAS-14841	3/6/1991	SOIL/GRAVEL/ZORBALL/FLOOR SWEEP	7.4	93	205	C-753-A	TM
	13834	CAS-14842	3/6/1991	SOIL/GRAVEL/ZORBALL/FLOOR SWEEP	7.4	105	232	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	13835	CAS-14844	9/5/1991	SOIL/GRAVEL/ZORBALL/FLOOR SWEEP	7.4	114	251	C-753-A	TM
	13835	CAS-14845	9/5/1991	SOIL/GRAVEL/ZORBALL/FLOOR SWEEP	7.4	129	284	C-753-A	TM
	13840	CAS-14837	9/24/1991	TYVEK/KIMWIPES/PAPER/PLASTIC	7.4	84	185	ENERGYSOL	TM
	13841	CAS-14731	10/7/1991	TYVEK/PLASTIC/PAPER/GLASS	7.4	42	92	ENERGYSOL	TM
	13842	CAS-14732	11/4/1991	TYVEK/WIPES/PAPER/PLASTIC/GLASS 7.4		50	110	ENERGYSOL	TM
	13849	CAS-14852	12/18/1991	SAMPLING DEBRIS	7.4	47	104	C-753-A	TM
	13849	CAS-14853	12/18/1991	SAMPLING DEBRIS	7.4	38	83	C-753-A	TM
	13850	CAS-14854	7/30/1991	TYVEK/PAPER/PLASTIC/GLASS	7.4	39	85	ENERGYSOL	TM
	13851	CAS-11198	7/18/1989	FLOOR SWEEP	7.4	108	237	C-753-A	TM
	13851	CAS-11199	7/18/1989	FLOOR SWEEP	7.4	108	237	ENERGYSOL	TM
	13851	CAS-11201	2/6/1990	ZORBALL	11.4	134	295	ENERGYSOL	TM
	13851	CAS-11202	2/6/1990	ZORBALL	7.4	91	200	ENERGYSOL	TM
	13851	CAS-11203	2/6/1990	ZORBALL	7.4	125	276	ENERGYSOL	TM
	13887	CAS-13028	5/14/1991	ABSORBENTS - SPILL CLEANUP	7.4	59	130	C-753-A	TM
	13890	CAS-14126	6/10/1991	FLOOR SWEEP	7.4	87	192	ENERGYSOL	TM
	13890	CAS-14127	6/10/1991	FLOOR SWEEP	7.4	106	234	ENERGYSOL	TM
	13890	CAS-14128	6/10/1991	FLOOR SWEEP	7.4	109	240	ENERGYSOL	TM
	13890	CAS-14129	6/10/1991	FLOOR SWEEP	7.4	114	252	ENERGYSOL	TM
	13890	CAS-14130	6/10/1991	FLOOR SWEEP	7.4	122	268	ENERGYSOL	TM
	13890	CAS-14131	6/10/1991	FLOOR SWEEP	7.4	123	272	ENERGYSOL	TM
	13890	CAS-14132	6/10/1991	FLOOR SWEEP	7.4	107	235	ENERGYSOL	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	13890	CAS-14133	6/10/1991	FLOOR SWEEP	11.4	219	483	ENERGYSOL	TM
	13890	CAS-14134	6/10/1991	FLOOR SWEEP	7.4	100	220	ENERGYSOL	TM
	13890	CAS-14135	6/10/1991	FLOOR SWEEP	11.4	161	356	ENERGYSOL	TM
	13890	CAS-14136	6/10/1991	FLOOR SWEEP	7.4	114	252	ENERGYSOL	TM
	13890	CAS-14137	6/10/1991	FLOOR SWEEP	7.4	114	251	ENERGYSOL	TM
	13890	CAS-14138	6/10/1991	FLOOR SWEEP	7.4	117	258	ENERGYSOL	TM
	13890	CAS-14139	6/10/1991	FLOOR SWEEP	7.4	107	236	ENERGYSOL	TM
	13890	CAS-14140	6/10/1991	FLOOR SWEEP	7.4	145	320	ENERGYSOL	TM
	13890	CAS-14141	6/10/1991	FLOOR SWEEP	7.4	108	238	ENERGYSOL	TM
	13890	CAS-14142	8/17/1989	FLOOR SWEEP	7.4	112	248	ENERGYSOL	TM
	13890	CAS-14143	6/10/1991	FLOOR SWEEP	7.4	108	238	ENERGYSOL	TM
	13890	CAS-14144	6/10/1991	FLOOR SWEEP	7.4	93	204	ENERGYSOL	TM
	13890	CAS-14146	6/10/1991	FLOOR SWEEP	7.4	47	104	C-753-A	TM
	13890	CAS-14147	6/10/1991	FLOOR SWEEP	7.4	98	216	C-753-A	TM
	13890	CAS-14148	6/10/1991	FLOOR SWEEP	7.4	46	102	ENERGYSOL	TM
	13890	CAS-14149	6/10/1991	FLOOR SWEEP	7.4	44	96	C-753-A	TM
	13890	CAS-14150	6/10/1991	FLOOR SWEEP	7.4	44	98	ENERGYSOL	TM
	13890	CAS-14151	6/10/1991	FLOOR SWEEP	7.4	59	130	ENERGYSOL	TM
	13890	CAS-14152	6/10/1991	FLOOR SWEEP	7.4	47	104	ENERGYSOL	TM
	13890	CAS-14153	6/10/1991	FLOOR SWEEP	7.4	48	105	ENERGYSOL	TM
	13890	CAS-14154	6/10/1991	FLOOR SWEEP	7.4	104	229	ENERGYSOL	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	13890	CAS-14155	6/10/1991	FLOOR SWEEP	7.4	103	228	ENERGYSOL	TM
	13890	CAS-14158	6/10/1991	FLOOR SWEEP	7.4	107	235	ENERGYSOL	TM
	13890	CAS-14159	6/10/1991	FLOOR SWEEP	7.4	125	275	ENERGYSOL	TM
	13890	CAS-14160	6/10/1991	FLOOR SWEEP	7.4	97	214	ENERGYSOL	TM
	13890	CAS-14162	6/10/1991	FLOOR SWEEP	7.4	99	219	C-753-A	TM
	13890	CAS-14163	6/10/1991	FLOOR SWEEP	7.4	103	228	ENERGYSOL	TM
	13890	CAS-14164	6/10/1991	FLOOR SWEEP	7.4	124	273	C-746-Q	TM
	13890	CAS-14167	6/10/1991	FLOOR SWEEP	11.4	224	494	ENERGYSOL	TM
	13890	CAS-14168	6/10/1991	FLOOR SWEEP	7.4	117	258	C-746-Q	TM
	13890	CAS-14169	6/10/1991	FLOOR SWEEP	11.4	215	475	ENERGYSOL	TM
	13890	CAS-14170	6/10/1991	FLOOR SWEEP	7.4	179	395	C-746-Q	TM
	13890	CAS-14171	6/10/1991	FLOOR SWEEP	7.4	205	452	ENERGYSOL	TM
	13890	CAS-14172	6/10/1991	FLOOR SWEEP	7.4	105	231	ENERGYSOL	TM
	13890	CAS-14173	6/10/1991	FLOOR SWEEP	7.4	96	211	ENERGYSOL	TM
	13890	CAS-14174	6/10/1991	FLOOR SWEEP	7.4	87	191	ENERGYSOL	TM
	13890	CAS-14175	6/10/1991	FLOOR SWEEP	7.4	100	221	ENERGYSOL	TM
	13890	CAS-14176	6/10/1991	FLOOR SWEEP	7.4	101	223	ENERGYSOL	TM
	13890	CAS-14177	6/10/1991	FLOOR SWEEP	7.4	101	223	ENERGYSOL	TM
	13890	CAS-14178	6/10/1991	FLOOR SWEEP	7.4	95	210	ENERGYSOL	TM
	13890	CAS-14179	6/10/1991	FLOOR SWEEP	7.4	98	215	ENERGYSOL	TM
	13890	CAS-14180	6/10/1991	FLOOR SWEEP	7.4	103	228	ENERGYSOL	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	13890	CAS-14181	6/10/1991	FLOOR SWEEP	7.4	102	225	ENERGYSOL	TM
	13890	CAS-14182	6/10/1991	FLOOR SWEEP	7.4	101	222	ENERGYSOL	TM
	13890	CAS-14183	6/10/1991	FLOOR SWEEP	7.4	92	203	ENERGYSOL	TM
	13890	CAS-14184	6/10/1991	FLOOR SWEEP	7.4	121	267	ENERGYSOL	TM
	13890	CAS-14185	6/10/1991	FLOOR SWEEP	7.4	110	242	ENERGYSOL	TM
	13890	CAS-14186	6/10/1991	FLOOR SWEEP	7.4	112	246	ENERGYSOL	TM
	13890	CAS-14187	6/10/1991	FLOOR SWEEP	7.4	93	206	ENERGYSOL	TM
	13890	CAS-14188	6/10/1991	FLOOR SWEEP	7.4	119	262	ENERGYSOL	TM
	13890	CAS-14189	6/10/1991	FLOOR SWEEP	7.4	109	241	ENERGYSOL	TM
	13890	CAS-14190	6/10/1991	FLOOR SWEEP	7.4	113	250	ENERGYSOL	TM
	13890	CAS-14191	6/10/1991	FLOOR SWEEP	7.4	109	241	ENERGYSOL	TM
	13890	CAS-14192	6/10/1991	FLOOR SWEEP	7.4	91	201	ENERGYSOL	TM
	13890	CAS-14193	6/10/1991	FLOOR SWEEP	7.4	132	290	ENERGYSOL	TM
	13890	CAS-14194	6/10/1991	FLOOR SWEEP	7.4	112	246	ENERGYSOL	TM
	13890	CAS-14239	6/10/1991	FLOOR SWEEP	7.4	129	284	ENERGYSOL	TM
	13890	CAS-14240	6/10/1991	FLOOR SWEEP	7.4	113	250	ENERGYSOL	TM
	13890	CAS-14241	6/10/1991	FLOOR SWEEP	7.4	105	231	ENERGYSOL	TM
	13890	CAS-14242	6/10/1991	FLOOR SWEEP	7.4	99	219	ENERGYSOL	TM
	13890	CAS-14243	6/10/1991	FLOOR SWEEP	7.4	100	221	ENERGYSOL	TM
	13890	CAS-14244	6/10/1991	FLOOR SWEEP	7.4	102	224	ENERGYSOL	TM
	13890	CAS-14245	6/10/1991	FLOOR SWEEP	7.4	101	223	ENERGYSOL	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	13890	CAS-14246	6/10/1991	FLOOR SWEEP	7.4	108	238	ENERGYSOL	TM
	13890	CAS-14247	6/10/1991	FLOOR SWEEP	7.4	107	236	ENERGYSOL	TM
	13894	CAS-14367	7/26/1991	GLOVES/TYVEKS/RUBBER HOSE/TAPE	11.4	119	262	C-753-A	TM
	14052	CAS-11369	1/17/1991	FLOOR SWEEP	7.4	100	221	C-753-A	TM
	14052	CAS-11370	1/17/1991	FLOOR SWEEP	7.4	110	242	C-753-A	TM
	14052	CAS-11371	1/17/1991	FLOOR SWEEP	7.4	99	219	C-753-A	TM
	14053	CAS-12780	3/21/1991	FLOOR SWEEP	7.4	62	136	C-753-A	TM
	14053	CAS-12781	3/21/1991	FLOOR SWEEP	7.4	94	208	C-753-A	TM
	14053	CAS-12782	3/21/1991	FLOOR SWEEP	7.4	89	196	C-753-A	TM
	14053	CAS-12783	3/21/1991	FLOOR SWEEP	7.4	88	194	C-753-A	TM
	14053	CAS-12784	3/21/1991	DEBRIS	7.4	64	140	C-753-A	TM
	14054	CAS-12748	3/26/1991	FLOOR SWEEP	7.4	55	122	ENERGYSOL	TM
	14076	CAS-14210	6/6/1991	FLOOR SWEEP	7.4	104	229	C-753-A	TM
	14153	CAS-12832	4/10/1991	GLOVES/RAGS/SHOE SCUFFS	7.4	39	86	ENERGYSOL	TM
	14229	CAS-10876	10/22/1990	ZORBALL,RAGS,SHOECOVER & GLOVES	7.4	87	192	C-753-A	TM
	14238	CAS-10987	11/6/1990	GLOVES,SHOE SCUFFS,PLATIC,TYVEK	7.4	97	214	C-753-A	TM
	14239	CAS-10988	11/6/1990	PLASTIC, SHOE SCUFFS, & GLOVES	7.4	32	70	C-753-A	TM
	14427	CAS-12818	4/24/1991	FLOOR SWEEP/MOPS	7.4	68	151	C-753-A	TM
	14427	CAS-12819	4/24/1991	FLOOR SWEEP/MOPS	7.4	91	201	C-753-A	TM
	14427	CAS-12820	4/24/1991	FLOOR SWEEP/MOPS	7.4	96	212	C-753-A	TM
	14427	CAS-12821	4/24/1991	FLOOR SWEEP/MOPS	7.4	103	226	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	14427	CAS-12822	4/24/1991	FLOOR SWEEP/MOPS	7.4	103	228	C-753-A	TM
	14427	CAS-12823	4/24/1991	FLOOR SWEEP/MOPS	7.4	106	234	C-753-A	TM
	14862	CAS-12918	4/2/1991	PADS/RAGS	7.4	35	78	C-753-A	TM
	14862	CAS-12930	4/2/1991	PADS/RAGS	7.4	34	74	C-753-A	TM
	14884	CAS-17296	5/7/1994	FLOOR SWEEP	7.4	88	194	C-752-A	TM
	14901	CAS-14266	6/17/1991	OIL ABSORBENT PADS/BOOMS	7.4	91	201	ENERGYSOL	TM
	14902	CAS-14269	6/17/1991	TRASH/ABSORBENT PADS	7.4	105	232	ENERGYSOL	TM
	14902	CAS-14270	6/17/1991	TRASH/ABSORBENT PADS	11.4	179	394	C-753-A	TM
	14902	CAS-14271	6/17/1991	TRASH/ABSORBENT PADS	11.4	137	301	C-753-A	TM
	14921	CAS-14988	12/6/1991	CARBON FILTERS	11.4	285	628	C-753-A	TM
	14921	CAS-14989	12/6/1991	CARBON FILTERS	11.4	259	572	C-753-A	TM
	14976	CAS-14484	7/18/1991	RAGS/TYVEK/SHOE COVERS/RUBBER GL	7.4	47	103	C-753-A	TM
	14976	CAS-14485	7/18/1991	PPE/RUBBER GLOVES/OILY RAGS	7.4	48	105	C-753-A	TM
	14976	CAS-14486	7/18/1991	RAGS/TYVEK/SHOE COVERS/PADS/PLAS	7.4	51	113	ENERGYSOL	TM
	14976	CAS-14487	7/18/1991	RAGS/TYVEK/SHOE COVERS/FLAGGING 7	.4	74	164	C-753-A	TM
	14981	CAS-14545	8/6/1991	CARBON POWDER CONT W/PCB WATER	11.4	189	417	C-753-A	TM
	14981	CAS-14546	8/6/1991	CARBON POWDER CONT W/PCB WATER	11.4	196	432	C-753-A	TM
	14982	CAS-14543	8/9/1991	CARBON POWDER CONT W/PCB WATER	11.4	190	418	C-753-A	TM
	15226	CAS-14234	6/6/1991	FLOOR SWEEP	7.4	83	184	C-753-A	TM
	15226	CAS-14235	6/6/1991	FLOOR SWEEP	7.4	86	190	C-753-A	TM
	15226	CAS-14236	6/6/1991	FLOOR SWEEP	7.4	90	198	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	15226	CAS-14237	6/6/1991	FLOOR SWEEP	7.4	87	192	ENERGYSOL	TM
	15226	CAS-14238	6/6/1991	FLOOR SWEEP	7.4	76	168	C-753-A	TM
	15258	CAS-14069	1/18/1991	PLASTIC/GLOVES/SHOE SCUFFS	7.4	63	139	C-753-A	TM
	15488	CAS-12893	3/28/1991	RAGS/SPONGES/PLASTIC	11.4	62	136	C-753-A	TM
	15605	CAS-10286	5/23/1990	TRASH	7.4	49	107	C-753-A	TM
	15605	CAS-10287	5/23/1990	TRASH	7.4	39	85	C-753-A	TM
	15606	CAS-10161	6/14/1990	CLEAN-UP, ZORBALL, RAGS, GLOVES	7.4	57	125	ENERGYSOL	TM
	15607	CAS-10162	6/14/1990	ZORBALL, RAGS, GLOVES	7.4	199	439	ENERGYSOL	TM
	15608	CAS-10280	6/22/1990	WOOD	7.4	68	150	C-753-A	TM
	15621	CAS-10971	10/2/1990	PLASTIC, GLOVES, & SHOE COVERS	7.4	34	75	C-753-A	TM
	15644	CAS-15862	10/6/1992	PPE/RAGS/METAL	11.4	90	198	ENERGYSOL	TM
	1566	CAS-02655	8/12/1986	MISCELLANEOUS; MISCELLANEOUS PCB AND URANIUM CONTAMINATED ITEMS	7.4	293	647	C-753-A	TM
	1569	CAS-02656	9/29/1986	MISCELLANEOUS	7.4	94	208	C-753-A	TM
	15757	CAS-14093	6/5/1991	SCRAP METAL	7.4	88	195	C-753-A	TM
	15759	CAS-14083	6/5/1991	PIPE	7.4	131	288	C-753-A	TM
	15760	CAS-14098	6/5/1991	FLOOR SWEEP	7.4	38	84	ENERGYSOL	TM
	15852	CAS-14054	5/20/1991	GLOVES/RAGS/COVERALLS/ABSORBENTS	7.4	84	186	C-753-A	TM
	15852	CAS-14055	5/20/1991	GLOVES/RAGS/COVERALLS/ABSORBENTS	7.4	92	203	C-753-A	TM
	15855	CAS-14115	5/31/1991	RAGS/BOOTS/PLASTIC/TYVEKS/GLOVES	7.4	45	99	C-753-A	TM
	15856	CAS-14102	6/4/1991	PAPER/PLASTIC/TYVEKS/GLOVES/MISC	7.4	60	133	C-753-A	TM
	15857	CAS-14250	6/17/1991	RUBBERGLOVES/RAGS/PLASTIC/WOOD	7.4	39	87	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	15873	CAS-14591	7/12/1991	PAPER/RAGS/GLOVES FROM CLEANUP	7.4	92	202	C-753-A	TM
	15873	CAS-14869	7/8/1991	PAPER/RAGS/PPE	7.4	34	75	C-753-A	TM
	16395	CAS-15335	5/18/1992	PALLETS	11.4	134	296	C-753-A	TM
	16458	CAS-15343	11/29/1989	PPE/PLASTIC	11.4	65	144	C-753-A	TM
	16458	CAS-15344	2/1/1990	PPE/PLASTIC; PHASE I IDW	11.4	92	202	C-753-A	TM
	16458	CAS-15345	12/1/1989	PPE/PLASTIC; PHASE I - I.D.W.	11.4	76	168	C-753-A	TM
	16458	CAS-15346	11/29/1989	PPE/PLASTIC; PHASE I - I.D.W.	11.4	90	199	C-753-A	TM
	16458	CAS-15347	12/4/1989	PPE/PLASTIC	11.4	80	176	C-753-A	TM
	16458	CAS-15348	12/5/1989	PPE/PLASTIC	11.4	89	197	ENERGYSOL	TM
	16458	CAS-15349	12/7/1989	PPE/PLASTIC; PHASE I - I.D.W. - PPE; PLASTIC	11.4	100	221	ENERGYSOL	TM
	16458	CAS-15350	12/9/1989	PPE/PLASTIC; PHASE I - I.D.W.	11.4	54	118	C-753-A	TM
	16458	CAS-15351	12/11/1989	PPE/PLASTIC	11.4	81	178	C-753-A	TM
	16458	CAS-15352	12/13/1989	PPE/PLASTIC; PHASE I - I.D.W.	11.4	68	150	C-753-A	TM
	16458	CAS-15353	1/18/1990	PPE/PLASTICPAPER/LEATHER GLOVES/SURGICALS	7.4	54	119	C-753-A	TM
	16458	CAS-15354	2/1/1990	PPE/PLASTIC; PHASE I - I.D.W.	11.4	105	231	C-753-A	TM
	16458	CAS-15355	1/31/1990	PPE/PLASTIC; PHASE I - I.D.W.	7.4	50	110	C-753-A	TM
	16458	CAS-15356	8/22/1990	PPE/PLASTIC	7.4	37	82	C-753-A	TM
	16458	CAS-15357	8/22/1990	PPE/PLASTIC	7.4	53	116	C-753-A	TM
	16458	CAS-15358	8/22/1990	PPE/PLASTIC	7.4	54	118	C-753-A	TM
	16458	CAS-15359	8/22/1990	PPE/PLASTIC	7.4	59	131	C-753-A	TM
	16459	CAS-15360	12/12/1989	VERMICULITE/PLASTIC DEBRIS; PHASE I IDW LAB RESIDUALS / SOLIDS	11.4	97	214	C-746-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	16459	CAS-15363	5/17/1990	CARDBOARD/PLASTIC DEBRIS	7.4	34	75	C-753-A	TM
	16459	CAS-15364	9/13/1990	CARDBOARD/VERMICULITE	7.4	59	130	C-753-A	TM
	16459	CAS-15370	9/13/1990	PLASTIC DEBRIS; LAB RESIDUALS	7.4	49	109	C-746-A	TM
	16517	CAS-12570	3/17/1991	FLOOR SWEEP	7.4	53	117	C-753-A	TM
	16522	CAS-12506	12/19/1990	TRASH	7.4	59	131	ENERGYSOL	TM
	16529	CAS-12507	12/19/1990	OILY ZORBALL	7.4	63	138	C-753-A	TM
	16630	CAS-14023	5/15/1991	PAPER/PLASTIC/TYVEKS/BELTS/GLOVE	7.4	64	140	C-753-A	TM
	16631	CAS-14596	9/26/1991	PCB SPILL CLEANUP - WOOD/PLASTIC	7.4	86	189	C-753-A	TM
	16650	CAS-15293	2/6/1990	FLOOR SWEEP	11.4	170	375	ENERGYSOL	TM
	16650	CAS-15294	2/6/1990	FLOOR SWEEP	11.4	125	275	ENERGYSOL	TM
	16650	CAS-15295	2/6/1990	FLOOR SWEEP	11.4	181	400	ENERGYSOL	TM
	16650	CAS-15296	2/14/1990	FLOOR SWEEP	11.4	181	400	ENERGYSOL	TM
	16650	CAS-15297	2/14/1990	FLOOR SWEEP	11.4	132	292	ENERGYSOL	TM
	17381	CAS-14036	5/14/1991	ABSORBENTS/RAGS/PLASTIC/TYVEKS	7.4	40	88	C-753-A	TM
	17510	CAS-14371	7/22/1991	FLOOR SWEEP	7.4	71	156	C-753-A	TM
	17525	CAS-14681	7/29/1991	PPE/PADS/FLOORSWEEPS/LABELS	7.4	108	238	C-753-A	TM
	17525	CAS-14682	7/29/1991	PLASTIC, PADS, RAGS	7.4	64	141	C-753-A	TM
	17603	CAS-15049	1/16/1992	LAB WASTE/SAMPLING TRASH	7.4	44	96	C-753-A	TM
	17604	CAS-15430	2/5/1992	TYVEK/PAPER/PLASTIC/GLASS	7.4	41	91	ENERGYSOL	TM
	17611	CAS-15538	5/19/1992	TYVEK/PAPER/PLASTIC/GLASS/GLOVES	11.4	83	184	ENERGYSOL	TM
	17616	CAS-15562	9/3/1992	TYVEKS/PAPER/TRASH/PLASTIC/GLASS	11.4	79	175	ENERGYSOL	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	17632	CAS-15340	3/25/1992	TYVEK/PAPER/PLASTIC/GLOVES/GLASS	11.4	83	183	C-753-A	TM
	17636	CAS-15540	4/3/1992	TYVEK/PAPER/PLASTIC/GLOVES/GLASS	11.4	83	184	C-753-A	TM
	17639	CAS-15563	8/4/1992	PPE/PAPER/GLASS/PLASTIC/TRASH	11.4	84	186	ENERGYSOL	TM
	17642	CAS-15603	10/1/1992	SAMPLING DEBRIS	11.4	92	203	C-753-A	TM
	17642	CAS-15614	9/18/1992	SAMPLING DEBRIS	11.4	82	181	C-753-A	TM
	17647	CAS-15709	10/23/1992	SAMPLING DEBRIS	11.4	75	166	C-753-A	TM
	17648	CAS-15710	10/27/1992	SOLID PCB & NICKEL STRIPPER SAMPLES.	7	106	234	C-746-A	TM
	17726	CAS-15334	4/15/1992	PPE/ABSORBENT/PLASTIC/GLASS/WOOD	11.4	130	287	C-753-A	TM
	17735	CAS-15564	9/16/1992	WOOD PALLET/PLASTIC	11.4	114	251	C-753-A	TM
	18307	CAS-15125	5/10/1991	CLEANING MATERIAL	7.4	151	332	C-746-Q	TM
	18307	CAS-15165	5/10/1991	OILY RAGS	11.4	127	281	C-753-A	TM
	18307	CAS-15166	5/10/1991	OILY RAGS	7.4	37	81	C-753-A	TM
	18307	CAS-15189	5/10/1991	FLOOR SWEEP	7.4	65	144	ENERGYSOL	TM
	18307	CAS-15198	5/10/1991	TRASH/SAND	11.4	141	311	ENERGYSOL	TM
	18307	CAS-15199	5/10/1991	OILY RAGS/ZORBALL	7.4	141	310	C-753-A	TM
	18307	CAS-15271	2/6/1990	ZORBALL / FLOORSWEEP	7.4	155	342	C-753-A	TM
	18315	CAS-15442	7/8/1992	PAPER/ZORBALL/FLAGGING/RAG/METAL	11.4	129	285	C-753-A	TM
	18322	CAS-15422	5/10/1991	TYVEK SUITS	7.4	34	74	C-753-A	TM
	18458	CAS-14695	11/15/1991	SPILL CLNUP-PPE/TYVEKS/BOOTIES	7.4	93	204	ENERGYSOL	TM
	18477	CAS-14595	8/28/1991	PAPER/GLOVES/FLOOR SWEEP/RAGS	7.4	72	159	ENERGYSOL	TM
	18481	CAS-15053	11/5/1991	WOOD	7.4	65	143	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	18481	CAS-15054	11/5/1991	WOOD/PPE	7.4	36	79	C-753-A	TM
	18483	CAS-15064	3/3/1992	WOOD/PLASTIC/PPE	11.4	95	209	C-753-A	TM
	18484	CAS-15106	3/19/1992	PPE/SPILL CLEANUP	11.4	98	217	ENERGYSOL	TM
	18487	CAS-15225	4/15/1992	PLYWOOD	11.4	144	318	C-753-A	TM
	18488	CAS-15226	4/1/1992	PPE/PLASTIC/ABSORBENTS/SAWDUST	11.4	94	208	C-753-A	TM
	1849	CAS-14025	5/14/1991	CLOTHING/SHOE SCUFFS	7.4	125	276	C-753-A	TM
	1849	CAS-14125	5/14/1991	CLOTHING/SHOE SCUFFS	7.4	45	100	C-753-A	TM
	18496	CAS-15231	4/28/1992	WOODEN PALLETS	11.4	135	298	C-753-A	TM
	18496	CAS-15232	4/28/1992	WOODEN PALLETS	11.4	129	284	C-753-A	TM
	1924	CAS-06316	12/23/1988	TRASH	7.4	98	216	C-753-A	TM
	2021	CAS-09739	9/21/1989	DEBRIS	7.4	134	295	C-753-A	TM
	2021	CAS-09741	9/21/1989	DEBRIS	7.4	60	133	C-753-A	TM
	2021	CAS-09742	9/21/1989	PCB URANIUM CONTAMINATED WASTE, DEBRIS	7.4	203	448	C-753-A	TM
	2022	CAS-09738	9/21/1989	DEBRIS	7.4	138	305	C-753-A	TM
	20252	CAS-15011	9/16/1991	PPE/RAGS	7.4	54	118	C-753-A	TM
	20280	CAS-15028	10/14/1991	PPE/PVC PIPE	7.4	56	123	C-753-A	TM
	2081	CAS-12826	4/25/1991	PIGS/PADS/PILLOWS	7.4	111	244	C-753-A	TM
	2132	CAS-15121	9/26/1989	ZORBALL	11.4	156	344	ENERGYSOL	TM
	2135	CAS-09506	11/4/1989	ZORBALL	11.4	210	464	C-753-A	TM
	2137	CAS-09878	3/29/1989	PIGS/PADS/RAGS/ETC.	11.4	75	166	C-753-A	TM
	2138	CAS-09505	11/4/1989	ZORBALL	11.4	151	332	ENERGYSOL	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	2141	CAS-09588	12/11/1989	TACKY MATS	11.4	99	218	ENERGYSOL	TM
	2143	CAS-09589	12/15/1989	ZORBALL	7.4	201	444	C-753-A	TM
	2150	CAS-10041	11/4/1989	ZORBALL	11.4	186	411	ENERGYSOL	TM
	21651	CAS-15548	1/8/1992	PPE/PLASTIC/SHOVEL/FLAGGING/PANS	7.4	46	101	C-753-A	TM
	21660	CAS-15555	1/30/1992	RAGS/PAPER/GLOVES	7.4	42	92	ENERGYSOL	TM
	21672	CAS-15661	2/16/1992	PADS/RAGS/PIGS	7.4	61	135	C-753-A	TM
	21697	CAS-15660	2/11/1992	PADS/PPE/PANS/PIGS/CARDBOARD	7.4	49	108	C-753-A	TM
	22004	CAS-06158	3/21/1989	PLASTIC FLAGS/CARDBOARD	7.4	56	123	C-753-A	TM
	22127	CAS-15514	5/19/1992	PLASTIC/GLOVES/MASLIN/SHOE SCUFF	11.4	133	293	ENERGYSOL	TM
	23044	CAS-14997	10/1/1991	ABSORBENTS/WOOD	11.4	111	245	ENERGYSOL	TM
	23280	CAS-15448	7/1/1991	PPE/PLASTIC	7.4	87	191	C-753-A	TM
	23584	CAS-14954	2/6/1992	PPE/EMPTY CONTAINERS	7.4	54	119	C-753-A	TM
	23589	CAS-14957	2/28/1992	PALLETS	11.4	67	148	C-753-A	TM
	23589	CAS-14958	2/28/1992	PALLETS	11.4	129	284	C-753-A	TM
	23589	CAS-14959	2/28/1992	PALLETS	11.4	121	267	C-753-A	TM
	23604	CAS-15935	3/10/1993	PPE/RAGS/PLASTIC	7.4	74	163	C-753-A	TM
	23919	CAS-15730	12/31/1992	PPE/PLASTIC - SAMPLING DEBRIS	11.4	82	180	ENERGYSOL	TM
	24112	CAS-15170	9/19/1991	ABSORBENT MATERIAL/RAGS	7.4	59	131	C-753-A	TM
	24388	CAS-15768	7/8/1992	BEARINGS/ABSORBENT/TRASH/PPE	11.4	120	264	ENERGYSOL	TM
	24393	CAS-15688	7/28/1992	GASKET/PLASTIC/ABSORBENT	11.4	90	198	C-753-A	TM
	27005	CAS-14887	1/24/1992	RAGS/ABSORBENTS/PPE	7.4	41	90	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	27008	CAS-15738	4/24/1992	OILY RAGS/ABSORBENTS	11.4	82	181	C-753-A	TM
	27043	CAS-15477	7/16/1992	RAGS/PANS/PPE/PLASTIC/5-GAL DRUM	11.4	77	169	C-753-A	TM
	27135	CASX-17513	7/27/2004	PPE/RAGS/GLOVES/ABSORBENTS	7.4	81	178	ENERGYSOL	TM
	27826	CAS-15567	8/16/1992	RAGS/PLASTIC/PPE/VERMICULITE	11.4	98	216	ENERGYSOL	TM
	27827	CAS-15569	4/28/1992	PAPER/PLASTIC/TRASH	11.4	83	184	ENERGYSOL	TM
	27830	CAS-15574	7/14/1992	PPE/PAPER/PLASTIC	11.4	98	215	ENERGYSOL	TM
	27832	CAS-15583	9/23/1992	PALLETS/PLASTIC/GLOVES	11.4	95	209	ENERGYSOL	TM
	27833	CAS-15699	10/13/1992	PPE/WOOD/PLASTIC	11.4	104	230	ENERGYSOL	TM
	28997	CAS-17446	7/12/1994	PAPER/PLASTIC/TRASH	7.4	74	164	C-753-A	TM
	29197	CAS-16228	5/21/1993	PPE PIPE/FITTINGS	7.4	74	164	ENERGYSOL	TM
	29322	CAS-15924	12/15/1992	PPE/PLASTIC/METAL	11.4	94	208	ENERGYSOL	TM
	29322	CAS-15925	2/12/1993	PPE/METAL	7.4	53	116	C-753-A	TM
	29346	CAS-17549	12/28/1994	PPE/GLASS	7.4	45	99	ENERGYSOL	TM
	29875	CAS-17308	6/2/1994	DEBRIS & TRASH	7.4	39	87	C-753-A	TM
	30426	CAS-15977	4/17/1993	PPE/RAGS	7.4	51	112	C-753-A	TM
	30676	CAS-16328	6/15/1993	CONCRETE	7.4	248	546	C-752-A	TM
	31254	CAS-17067	4/13/1993	PPE/PLASTIC/RAGS	7.4	31	68	C-753-A	TM
	3128	CAS-15911	2/5/1993	PPE/PLASTIC/EMPTY BUCKET	11.4	126	277	ENERGYSOL	TM
	31676	CAS-15946	10/14/1992	PALLETS/PLASTIC	11.4	117	257	C-753-A	TM
	31677	CAS-15947	3/23/1993	PPE/RAGS/PLASTIC	7.4	47	103	C-753-A	TM
	31679	CAS-15949	3/25/1993	WOOD PALLETS FROM SPILLS	7.4	75	166	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	31689	CAS-16010	3/16/1993	ZORBALL & ZORBALL BAGS	7.4	61	134	C-753-A	TM
	32237	CAS-17116	10/13/1993	SAMPLING DEBRIS,(PPE,MATS,RAGS)	7.4	45	99	C-752-A	TM
	32240	CAS-17117	12/13/1993	SAMPLING DEBRIS	7.4	54	118	C-752-A	TM
	32248	CAS-18007	2/1/1994	SAMPLINGS DEBRIS	7.4	49	109	C-753-A	TM
	32285	CAS-16478	6/22/1993	SAMPLING DEBRIS (GLASS/PPE/GLOVE	7.4	54	119	C-753-A	TM
	32310	CAS-17652	6/20/1994	SAMPLING DEBRIS:TYVEK/GLOVES/RAG	7.4	52	115	C-753-A	TM
	32312	CAS-17653	6/29/1994	SAMPLING DEBRIS	7.4	51	112	C-753-A	TM
	32324	CAS-18009	10/21/1994	RAD DEBRIS	7.4	46	102	C-753-A	TM
	32326	CAS-15794	1/15/1993	SAMPLING DEBRIS- PAPER/PPE/GLASS	11.4	79	175	C-753-A	TM
	32335	CAS-15912	2/23/1993	TYVEK/PAPER/GLOVES/PLASTIC	11.4	84	186	ENERGYSOL	TM
	32344	CAS-15934	3/8/1993	TYVEK/PAPER/PLASTIC/GLOVES/GLASS	7.4	39	87	C-753-A	TM
	32346	CAS-15945	3/22/1993	TYVEK/PAPER/GLOVES/GLASS	7.4	65	143	C-753-A	TM
	32358	CAS-15597	3/25/1992	PPE/RAGS/PADS/PLASTIC	11.4	76	168	C-753-A	TM
	32891	CAS-16202	5/14/1993	PPE PIPE/FITTINGS	7.4	76	167	ENERGYSOL	TM
	33046	CAS-17707	6/9/1994	PPE/PLASTIC/GLASS	7.4	48	105	C-753-A	TM
	33053	CAS-17709	8/24/1994	PPE/PLASTIC/PADS	7.4	43	94	C-753-A	TM
	33054	CAS-17746	10/10/1994	PPE/RAGS/METAL	7.4	44	97	C-753-A	TM
	33059	CAS-18016	12/20/1994	PPE/PLASTIC/PADS	7.4	43	94	C-753-A	TM
	33067	33067-01	1/5/1995	PPE/PLASTIC	7.4	42	93	C-753-A	TM
	33084	CAS-17740	8/8/1994	PPE/PADS	7.4	42	93	C-753-A	TM
	33776	CAS-17333	6/7/1994	PPE/RAGS/PLASTIC	7.4	39	87	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	33776	CAS-17334	6/12/1994	PPE/RAGS/PLASTIC	7.4	35	78	ENERGYSOL	TM
	33776	CAS-17335	6/15/1994	PPE/RAGS/PLASTIC/MASLIN/HP SMEAR	7.4	39	86	ENERGYSOL	TM
	34000	CAS-17518	3/16/1994	PPE/RAGS	7.4	51	112	C-753-A	TM
	34240	CAS-17717	5/11/1994	PPE/PVC/METAL	7.4	46	101	C-753-A	TM
	34715	CAS-16555	9/7/1993	PPE/RAGS/ABSORBENTS/PLASTIC	7.4	55	121	C-753-A	TM
	34722	CAS-16604	10/22/1993	PALLETS	7.4	82	180	C-753-A	TM
	34722	CAS-16605	10/22/1993	PALLETS	7.4	76	167	C-753-A	TM
	34722	CAS-16606	10/22/1993	PALLETS	7.4	77	169	C-753-A	TM
	34722	CAS-16607	10/22/1993	PALLETS	7.4	73	162	C-753-A	TM
	34722	CAS-16608	10/22/1993	PALLETS	7.4	74	163	C-753-A	TM
	34723	CAS-16623	10/22/1993	SPILL CLEANUP/PPE/ABSORBENTS	7.4	45	100	ENERGYSOL	TM
	34723	CAS-16629	10/22/1993	SPILL CLEANUP/PPE/ABSORBENTS	7.4	111	245	ENERGYSOL	TM
	34921	CAS-16647	3/24/1993	PPE/RAGS/RUBBER HOSES/SCRUB PADS	7.4	64	140	C-753-A	TM
	35000	CAS-16297	6/6/1993	ABSORBENT PADS	7.4	71	157	C-753-A	TM
	35113	CAS-17500	11/22/1994	PPE	7.4	49	108	C-753-A	TM
	35113	CAS-17501	11/23/1994	PPE/GREASE	7.4	85	187	C-753-A	TM
	35113	CAS-17504	11/29/1994	PPE/MOP/RAGS	4	71	157	C-753-A	TM
	35116	CAS-17516	12/16/1994	PPE/PLASTIC/RAGS	7.4	54	119	C-753-A	TM
	35196	35196-01	1/27/1997	PPE/PADS/SHOES/GLOVES	7.4	40	89	C-753-A	TM
	35706	CAS-16630	8/24/1993	URANIUM CONTAM SOLID LAB	7.4	84	186	C-753-A	TM
	36359	CAS-17406	3/17/1994	DEBRIS & PPE	7.4	44	96	ENERGYSOL	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	36361	CAS-17671	3/28/1994	PPE/PLASTIC/SAMPLING DEBRIS	7.4	51	112	C-753-A	TM
	36367	CAS-17301	4/15/1994	PAPER/PLASTIC/GLASS	7.4	51	112	C-753-A	TM
	36368	CAS-17655	4/18/1994	SAMPLING DEBRIS	7.4	42	92	C-753-A	TM
	3637	CAS-15092	12/27/1988	ZORBALL	7.4	141	311	ENERGYSOL	TM
	36377	CAS-17654	5/11/1994	PPE/PAPER	7.4	42	92	C-753-A	TM
	36380	CAS-17474	5/19/1994	SAMPLE DEBRIS	7.4	47	104	C-753-A	TM
	36399	CAS-17551	11/17/1994	PPE/COLIWASAS/GLOVES	7.4	54	119	C-753-A	TM
	36479	CAS-17657	10/17/1994	SAMPLING DEBRIS	7.4	48	105	C-753-A	TM
	36764	CAS-17029	2/25/1994	PLYWOOD FROM STORAGE DIKES	7.4	59	130	C-753-A	TM
	36764	CAS-17030	2/25/1994	PLYWOOD FROM STORAGE DIKES	7.4	88	194	C-753-A	TM
	36764	CAS-17031	2/25/1994	PLYWOOD FROM STORAGE DIKES	7.4	73	161	C-753-A	TM
	36764	CAS-17032	2/25/1994	PLYWOOD/PLASTIC	7.4	74	163	C-753-A	TM
	36764	CAS-17033	2/25/1994	PLYWOOD/PLASTIC	7.4	71	156	C-753-A	TM
	36764	CAS-17034	2/25/1994	PLYWOOD/PLASTIC	7.4	45	100	C-753-A	TM
	36988	CAS-16677	11/4/1993	PPE/RAGS/ROPE/PLASTIC	7.4	57	125	C-753-A	TM
	37282	CAS-17256	5/3/1994	PPE & PLASTIC SHEETING	7.4	63	138	ENERGYSOL	TM
	37282	CAS-17257	5/3/1994	PPE & PLASTIC SHEETING	7.4	69	152	C-753-A	TM
	37282	CAS-17258	5/3/1994	PPE & PLASTIC SHEETING	7.4	42	92	C-753-A	TM
	37282	CAS-17259	5/3/1994	PPE & PLASTIC SHEETING	7.4	61	135	C-753-A	TM
	37282	CAS-17260	5/3/1994	PPE & PLASTIC SHEETING	7.4	43	95	ENERGYSOL	TM
	37282	CAS-17261	5/3/1994	PPE & PLASTIC SHEETING	7.4	82	180	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	37282	CAS-17262	5/3/1994	PPE & PLASTIC SHEETING	7.4	51	113	C-753-A	TM
	37282	CAS-17263	5/3/1994	PPE & PLASTIC SHEETING	7.4	54	118	C-753-A	TM
	37282	CAS-17264	5/3/1994	PPE & PLASTIC SHEETING	7.4	56	123	C-753-A	TM
	37282	CAS-17265	5/3/1994	PPE & PLASTIC SHEETING	7.4	74	163	C-753-A	TM
	37302	CAS-16733	5/25/1993	PVC PIPE	7.4	93	205	C-753-A	TM
	37306	CAS-16741	6/14/1993	PVC PIPE/OIL ABSORBENT PADS	7.4	61	135	C-753-A	TM
	37307	CAS-16742	6/15/1993	PVC PIPE/OIL ABSORBENT PADS	7.4	54	120	C-753-A	TM
	37308	CAS-16745	6/18/1993	PVC PIPE/OIL ABSORBENT PADS	7.4	62	136	C-753-A	TM
	37320	CAS-16754	7/13/1993	PVC PIPE (OILY PIPE W/PADS)	7.4	78	172	C-753-A	TM
	37885	CAS-17531	1/9/1995	PPE/PAPER/PLASTIC/RAGS	7.4	57	125	C-753-A	TM
	37887	CAS-17530	6/9/1994	PPE/RAGS	7.4	71	157	C-753-A	TM
	38020	CAS-17323	6/14/1994	PPE/RAGS/MOPHEADS	7.4	52	114	ENERGYSOL	TM
	38162	CAS-16013	5/10/1993	WOODEN PALLET FROM SPILL CLEANUP	7.4	80	176	C-753-A	TM
	38166	CAS-16560	9/10/1993	PCB HOSE/MISC PPE/PAPER/CLOTH	7.4	68	151	C-753-A	TM
	38364	CAS-17757	10/18/1994	PPE/PADS/SAW BLADE/FITTINGS	7.4	50	111	C-753-A	TM
	38418	CAS-17745	8/29/1994	PPE/PLASTIC BOTTLES/PADS	7.4	44	98	C-753-A	TM
	38663	38663-01	4/20/1995	1/4 COPPER TUBING AND AIR REGULATOR	0.67	12	26	C-753-A	TM
	39104	CAS-16681	12/2/1993	PLASTIC/PALLETS (PCB SPILL)	7.4	72	158	C-753-A	TM
	39141	CAS-17036	3/1/1994	PLYWOOD FROM STORAGE DIKES	7.4	38	83	C-753-A	TM
	39144	CAS-17118	4/11/1994	PPE, PAPER	7.4	40	89	C-753-A	TM
	39500	CAS-17266	5/3/1994	PPE/OIL SOAKED RAGS	7.4	45	100	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	40085	CAS-17100	10/8/1993	PPE/PLASTIC/METAL	7.4	38	84	C-753-A	TM
	40151	CAS-17396	6/10/1994	PPE/PLASTIC	7.4	32	71	C-753-A	TM
	40854	40854-01	4/8/1996	PPE/RAGS	4	28	62	ENERGYSOL	TM
	41133	CAS-16689	12/13/1993	RAGS/SCRUBBERS/PPE	7.4	62	136	C-753-A	TM
	41137	CAS-16690	12/14/1993	PPE/RAGS/PIGS/PADS/SCRUBBERS	7.4	64	140	C-753-A	TM
	41156	CAS-17453	1/21/1994	PPE/RAGS/VACUUM DUST	7.4	73	161	C-753-A	TM
	41158	CAS-16922	1/6/1994	PPE/RAGS/SCRUBBERS	7.4	38	83	C-753-A	TM
	41164	CAS-17046	1/31/1994	PPE/RAGS	7.4	86	190	C-753-A	TM
	41166	CAS-17111	2/25/1994	PPE/RAGS/PADS/METAL SHAVINGS	7.4	67	148	C-753-A	TM
	41177	CAS-17402	3/10/1994	PPE/PADS	7.4	62	136	C-753-A	TM
	41194	CAS-17403	4/13/1994	PPE/RAGS	4	43	95	C-753-A	TM
	41196	CAS-17401	5/12/1994	RAGS/PAPER/PADS	0.67	5	12	C-753-A	TM
	41211	CAS-17476	5/18/1994	PADS/RAGS	0.67	5	11	C-753-A	TM
	41211	CAS-17477	6/21/1994	PPE/RAGS	7.4	59	130	ENERGYSOL	TM
	41367	CAS-16674	11/22/1993	PALLETS (FROM SPILL)	7.4	96	211	C-753-A	TM
	41602	CAS-17506	9/9/1994	PPE/PADS/ELECTRIC PARTS	7.4	61	134	C-753-A	TM
	41621	CAS-17692	11/22/1994	WOOD PIECES	7.4	64	141	C-753-A	TM
	41621	CAS-17693	11/22/1994	WOOD PIECES	7.4	54	119	C-753-A	TM
	41754	CAS-17121	4/13/1994	PLYWOOD/PALCO LINER	96	1134	2500	C-753-A	TM
	41888	41888-01	10/20/1995	PADS/PPE; PCB SOLIDS	7.4	30	67	C-753-A	TM
	42278	CAS-17459	9/7/1994	ACTIVATED CARBON FILTERS	11.4	317	698	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	42278	CAS-17460	9/7/1994	ACTIVATED CARBON FILTERS	11.4	232	511	C-753-A	TM
	42602	CAS-17427	7/27/1994	PPE FROM POLE T6-18,19,20	7.4	50	110	C-753-A	TM
	42602	CAS-17428	7/27/1994	PPE FROM POLE T6-18,19,20	7.4	44	96	C-753-A	TM
	42692	CAS-17857	2/20/1995	PPE	7.4	100	221	ENERGYSOL	TM
	42692	CAS-17858	2/20/1995	PPE	7.4	79	174	C-753-A	TM
	42692	CAS-17864	3/4/1995	PPE	7.4	58	128	C-753-A	TM
	42692	CAS-17865	3/4/1995	PPE	7.4	81	178	C-753-A	TM
	42692	CAS-17866	3/4/1995	PPE	7.4	74	164	C-753-A	TM
	42692	CAS-17867	3/7/1995	PPE	7.4	51	113	C-753-A	TM
	42692	CAS-17873	3/10/1995	PPE	7.4	112	248	ENERGYSOL	TM
	4292	CAS-09943	4/10/1990	GREASE/MOTOR RESIDUE	7.4	59	131	C-753-A	TM
	4411	CAS-02508	2/11/1987	MISCELLANEOUS	7.4	98	215	C-753-A	TM
	4411	CAS-02519	2/11/1987	MISCELLANEOUS	7.4	165	364	C-753-A	TM
	4411	CAS-03678	2/11/1987	MISCELLANEOUS	11.4	220	485	C-753-A	TM
	44292	44292-02	4/3/1997	DUST/SCRAPINGS FROM LAB HOOD	0.67	6	13	C-746-A	TM
	44495	CAS-17527	10/5/1994	RAGS/CONCRETE CHIPS/UF4	7.4	42	92	C-753-A	TM
	44495	CAS-17528	12/12/1994	RAGS/ZORBALL	7.4	64	142	ENERGYSOL	TM
	44498	CAS-17553	10/7/1994	BUCKET ELEVATOR PIT SLUDGE/MOP	7.4	125	275	C-753-A	TM
	44547	7414	7/19/1996	FLOORSWEEP/RUST	7.4	108	239	ENERGYSOL	TM
	4474	CAS-15468	7/9/1992	CRUSHED DRUMS/ABSORBENTS	11.4	94	208	C-753-A	TM
	45042	CAS-17667	11/30/1994	GREASE TYPE MATERIAL DRUM WAS DETERMINED EMPTY ON 05/05/09.	0.67	3	7	C-752-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	45043	CAS-17537	10/7/1994	PPE/RAGS	7.4	45	100	C-753-A	TM
	45044	CAS-17665	3/31/1994	RAGS/PPE/PLASTIC	7.4	51	112	C-753-A	TM
	45045	CAS-17535	9/27/1994	PPE/RAGS	11.4	114	251	ENERGYSOL	TM
	45234	45234-01	3/23/1995	PAPER/PLASTIC/GLASS/SOIL	7.4	58	127	C-752-A	TM
	45243	45243-01	8/16/1995	PAPER/PLASTIC/GLASS/SOIL	7.4	81	178	C-753-A	TM
	45353	CAS-17505	8/18/1994	PPE/PADS/PAPER/METAL	7.4	67	147	ENERGYSOL	TM
	45652	CAS-17544	1/31/1995	TYVEK SUITS/PLASTIC	7.4	30	66	C-753-A	TM
	45652	CAS-17545	1/31/1995	TYVEK SUITS	7.4	39	85	C-753-A	TM
	4572	CAS-03776	4/21/1988	RAGS/BUCKETS/GLASS BOTTLES/PPE/PAPER/GLOVES/SCRUB BRUSHES/TUBBING/DRYED SILICON/ZORBALL/CONCRETE DUST	7.4	45	100	C-753-A	TM
	4581	CAS-06161	1/18/1988	EMPTY PLASTIC SAMPLE CONTAINERS	7.4	68	150	C-746-A	TM
	45876	CAS-17454	6/17/1994	FLOOR SWEEP	7.4	176	388	C-753-A	TM
	45876	CAS-17455	6/14/1994	FLOOR SWEEP	7.4	179	395	C-753-A	TM
	4590	CAS-06164	3/24/1988	SAMPLE JARS/TOWELS/BAGS/RAGS	7.4	50	110	C-753-A	TM
	45986	CAS-17773	1/31/1995	PPE/ABSORBENTS	7.4	61	135	C-753-A	TM
	45991	CAS-18025	5/4/1995	WOOD/PLASTIC	7.4	51	112	C-753-A	TM
	46016	46016-01	7/24/1997	PPE/MASLIN/PADS	7.4	38	83	C-753-A	TM
	46048	CAS-18097	9/14/1995	WOOD/PLASTIC	7.4	61	134	C-753-A	TM
	46097	46097-01	6/5/1998	PPE/TRASH/PALCO	7.4	55	121	C-753-A	TM
	46743	46743-01	2/9/1995	PPE/PLASTIC	7.4	37	81	C-753-A	TM
	46743	46743-02	2/9/1995	PPE/PLASTIC	7.4	49	108	C-753-A	TM
	46881	46881-01	2/22/1996	PPE	7.4	39	86	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	4750	CAS-15086	7/12/1989	FLOOR SWEEP	7.4	87	192	ENERGYSOL	TM
	4750	CAS-15087	7/12/1989	FLOOR SWEEP	7.4	82	181	ENERGYSOL	TM
	4750	CAS-15088	7/12/1989	FLOOR SWEEP	7.4	108	237	ENERGYSOL	TM
	4750	CAS-15237	7/12/1989	FLOOR SWEEP	7.4	101	222	ENERGYSOL	TM
	4750	CAS-15238	7/12/1989	FLOOR SWEEP	7.4	106	234	ENERGYSOL	TM
	4750	CAS-15239	7/12/1989	FLOOR SWEEP	7.4	100	221	ENERGYSOL	TM
	4750	CAS-15240	8/25/1989	FLOOR SWEEP	7.4	112	247	ENERGYSOL	TM
	4750	CAS-15241	8/25/1989	FLOOR SWEEP	7.4	99	219	ENERGYSOL	TM
	4750	CAS-15242	8/25/1989	FLOOR SWEEP	7.4	99	219	ENERGYSOL	TM
	4752	CAS-14156	8/24/1989	FLOOR SWEEP	7.4	96	212	ENERGYSOL	TM
	4752	CAS-14157	8/24/1989	FLOOR SWEEP	7.4	100	220	ENERGYSOL	TM
	47611	47611-01	11/6/1996	PCB CONTAMINATED LAB WASTE	7.4	88	194	C-753-A	TM
	47613	47613-01	12/11/1996	RAD/PCB (PAPER/PLASTIC/GLASS)	7.4	92	203	C-753-A	TM
	47617	47617-01	1/30/1997	PCB CONTAMINATED PAPER/PLASTIC	7.4	91	200	C-753-A	TM
	47637	47637-01	10/23/1997	RAGS, FILTER PAPER PER SAMPLE	7.4	68	151	C-746-A	TM
	47651	CAS-17677	3/1/1995	ASH/FLOOR SWEEP	11.4	191	422	C-753-A	TM
	47651	CAS-17678	3/1/1995	ASH/FLOOR SWEEP	11.4	156	345	C-746-Q	TM
	47651	CAS-17679	3/1/1995	ASH/FLOOR SWEEP	11.4	140	309	C-753-A	TM
	47651	CAS-17680	3/1/1995	ASH/FLOOR SWEEP	11.4	216	477	C-753-A	TM
	47654	CAS-17673	1/18/1995	RAGS/PPE	7.4	49	109	C-753-A	TM
	47654	CAS-17675	2/17/1995	RAGS	7.4	46	102	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	47654	CAS-17676	2/17/1995	RAGS	7.4	57	126	C-753-A	TM
	47673	CAS-18075	3/31/1995	FLOOR SWEEP/UF4	11.4	112	247	C-746-Q	TM
	47674	CAS-18076	3/29/1995	FLOOR SWEEP/DIRT/UF4	7.4	147	323	C-753-A	TM
	4769	CAS-03695	8/4/1987	PCB AND URANIUM CONTAMINATED WASTE, C-746-M COLLECTION CONTAINER	7.4	168	370	C-753-A	TM
	4816	CAS-08418	5/4/1989	U-CONT COLLECTION DRUM	7.4	62	136	C-753-A	TM
	4821	CAS-09836	2/6/1990	AUTOCLAVE PIPE	7.4	115	254	C-753-A	TM
	4821	CAS-09837	2/6/1990	AUTOCLAVE PIPE	7.4	173	381	C-753-A	TM
	4821	CAS-09838	2/6/1990	AUTOCLAVE PIPE	7.4	196	432	C-753-A	TM
	4821	CAS-09839	2/6/1990	AUTOCLAVE PIPE	7.4	108	239	C-753-A	TM
	4821	CAS-09840	2/6/1990	AUTOCLAVE PIPE	7.4	140	308	C-753-A	TM
	4821	CAS-09841	2/6/1990	AUTOCLAVE PIPE	7.4	146	321	C-753-A	TM
	4821	CAS-09842	2/6/1990	AUTOCLAVE PIPE	7.4	92	202	C-753-A	TM
	4828	CAS-08763	1/5/1990	VALVES/HOSES FROM C-337 AUTOCLAV	7.4	101	222	C-753-A	TM
	4828	CAS-08764	1/5/1990	VALVES/HOSES FROM C-337 AUTOCLAV	7.4	83	184	C-753-A	TM
	4828	CAS-09425	1/5/1990	VALVES, HOSES	7.4	35	78	C-753-A	TM
	4828	CAS-09426	1/5/1990	VALVES/HOSES FROM C-337 AUTOCLAV	7.4	89	196	C-753-A	TM
	48711	48711-01	3/14/1997	PPE/BUCKETS/PADS/FILTERS/PLASTIC	7.4	64	140	ENERGYSOL	TM
	48712	48712-01	4/22/1997	PPE/PADS/FILTERS/RUBBER	7.4	59	129	C-753-A	TM
	48718	48718-01	6/11/1997	WOOD/PALCO (WET)	7.4	61	134	C-753-A	TM
	48723	48723-01	7/22/1997	PPE/HOSE/ABSORBENTS/FILTERS	7.4	75	165	ENERGYSOL	TM
	48724	48724-01	7/16/1997	WOOD FROM WASTE WATER TREATMENT	7.4	65	143	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	4876	04876-05	7/7/1997	URANIUM PRECIPITATE	11.4	229	505	C-746-Q	RTM
	4876	04876-06	7/7/1997	URANIUM PRECIPITATE	7.4	193	426	C-746-Q	RTM
	4876	04876-07	7/7/1997	URANIUM PRECIPITATE	11.4	190	418	C-746-Q	RTM
	4876	04876-08	7/7/1997	URANIUM PRECIPITATE	7.4	149	328	C-746-Q	RTM
	4876	04876-09	2/25/1987	URANIUM PRECIPITATE, FILTER CAKE	7.4	165	364	C-746-Q	RTM
	4879	04879-01	7/7/1997	URANIUM PRECIPITATE	7.4	195	429	C-746-Q	RTM
	4879	04879-02	7/7/1997	URANIUM PRECIPITATE	7.4	199	438	C-746-Q	RTM
	4879	04879-03	7/7/1997	URANIUM PRECIPITATE	11.4	240	529	C-746-Q	RTM
	4879	04879-04	7/7/1997	URANIUM PRECIPITATE	7.4	185	408	C-746-Q	RTM
	4879	04879-05	7/7/1997	URANIUM PRECIPITATE	7.4	193	426	C-746-Q	RTM
	4879	04879-06	7/7/1997	URANIUM PRECIPITATE	7.4	185	408	C-746-Q	RTM
	4879	04879-07	7/7/1997	URANIUM PRECIPITATE	7.4	217	479	C-752-A	RTM
	4879	04879-08	7/7/1997	URANIUM PRECIPITATE	7.4	228	502	C-752-A	RTM
	4880	CAS-03735	9/9/1987	URANIUM CONTAMINATED FILTER CAKE	7.4	196	433	C-746-Q	RTM
	4880	CAS-03736	9/9/1987	URANIUM CONTAMINATED FILTER CAKE	7.4	196	433	C-746-Q	RTM
	4880	CAS-03737	9/9/1987	URANIUM CONTAMINATED FILTER CAKE	7.4	204	450	C-746-Q	RTM
	4887	04887-05	12/13/2000	MISC. CONTAMINATED MATERIAL	11.4	79	174	C-753-A	TM
	4899	CAS-06173	5/9/1988	EMPTY DRUM	7.4	28	62	C-746-B	TM
	4905	CAS-09804	11/9/1989	PCB AND URANIUM CONTAMINATED PROCESS MOPS	7.4	48	105	C-753-A	TM
	4905	CAS-09805	11/9/1989	PROCESS MOPS	7.4	47	104	C-753-A	TM
	4905	CAS-09806	11/9/1989	PCB AND URANIUM CONTAMINATED PROCESS MOPS	7.4	55	121	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	4906	CAS-09785	11/9/1989	AUTOCLAVE SCRAP	7.4	175	385	C-753-A	TM
	4906	CAS-09786	11/9/1989	AUTOCLAVE SCRAP	7.4	230	507	C-753-A	TM
	4906	CAS-09787	11/9/1989	AUTOCLAVE SCRAP	7.4	145	319	C-753-A	TM
	4907	CAS-09800	11/9/1989	PCB SOLIDS, TRASH	7.4	93	205	C-753-A	TM
	4907	CAS-09801	11/9/1989	TRASH	7.4	116	255	C-753-A	TM
	4907	CAS-09802	11/9/1989	TRASH	7.4	74	163	C-753-A	TM
	4907	CAS-09803	11/9/1989	TRASH	7.4	142	313	C-753-A	TM
	4915	CAS-10016	2/14/1990	TYVEKS, RAGS, PLASTIC	7.4	46	102	C-753-A	TM
	4915	CAS-10017	2/14/1990	TYVEKS, RAGS, PLASTIC	7.4	47	103	C-753-A	TM
	4915	CAS-10018	2/14/1990	TYVEKS, RAGS, PLASTIC	7.4	47	104	C-753-A	TM
	4915	CAS-10019	2/14/1990	TYVEKS, RAGS, PLASTIC	11.4	85	188	C-753-A	TM
	4915	CAS-10020	2/14/1990	TYVEKS, RAGS, PLASTIC	7.4	44	96	C-753-A	TM
	4915	CAS-10021	2/14/1990	TYVEKS, RAGS, PLASTIC	7.4	42	92	ENERGYSOL	TM
	4915	CAS-10022	2/14/1990	TYVEKS, RAGS, PLASTIC, MOPHEADS, ZORBALL, PILLOWS, PPE, RUBBER GLOVES	7.4	68	150	ENERGYSOL	TM
	4915	CAS-10023	2/14/1990	TYVEKS, RAGS, PLASTIC/ZORBALL/PPE/PADS/PIGS	7.4	56	123	C-753-A	TM
	4915	CAS-10024	2/14/1990	TYVEKS, RAGS, PLASTIC	7.4	61	134	C-753-A	TM
	4915	CAS-10025	2/14/1990	TYVEKS, RAGS, PLASTIC	7.4	56	124	ENERGYSOL	TM
	4915	CAS-10443	2/14/1990	TYVEKS, RAGS, PLASTIC	7.4	52	115	ENERGYSOL	TM
	4915	CAS-10444	2/14/1990	PLASTIC, LINT BALLS, BROOM HEADS	7.4	53	117	C-753-A	TM
	4915	CAS-10445	2/14/1990	SANDBAGS, PADS, RAGS, PIGS; FLOOR CLEANING UNDER SEAL EXHAUST TRAPS	7.4	188	415	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	4916	CAS-10014	2/14/1990	PLASTIC/RAGS; PCB SOLIDS, TRASH, PLASTIC, RAGS	7.4	30	67	C-753-A	TM
	4916	CAS-10015	2/14/1990	PLASTIC/TYVEK/RAGS/RUBBER GLOVES/< 1 LB METAL/ZORBALL	7.4	45	99	C-753-A	TM
	4918	CAS-10447	5/22/1990	TYVEKS, RAGS, PLASTIC	7.4	57	126	ENERGYSOL	TM
	4918	CAS-10448	5/22/1990	TYVEKS, RAGS, PLASTIC	7.4	48	106	C-753-A	TM
	49302	CAS-18083	6/29/1995	PPE FROM VAULT	7.4	45	99	C-753-A	TM
	49304	CAS-18119	9/20/1995	PPE/RAGS/PLASTIC/PAPER	7.4	56	123	C-753-A	TM
	49667	49667-01	3/19/1996	PPE	7.4	47	103	C-753-A	TM
	4996	CAS-10121	2/28/1990	WOOD/PLASTIC/CARDBOARD	7.4	49	107	C-753-A	TM
	50208	50208-01	2/3/1997	ZORBALL, SAND	0.67	15	32	C-753-A	TM
	50326	CAS-18100	3/14/1995	OILY RAGS/SCRUB PADS	7.4	102	225	C-753-A	TM
	50327	CAS-18101	1/20/1995	OILY RAGS/SCRUB PADS	7.4	87	191	C-753-A	TM
	50328	CAS-18102	4/28/1995	OILY RAGS/PPE	7.4	63	139	C-753-A	TM
	50329	CAS-18098	3/13/1995	PPE/SOLID WASTE	7.4	56	123	C-753-A	TM
	50331	CAS-18103	2/6/1995	OILY RAGS	7.4	89	196	C-753-A	TM
	50332	CAS-18099	5/9/1995	OILY RAGS/PPE/PLASTIC	7.4	52	114	C-753-A	TM
	5064	CAS-14992	10/24/1991	PPE/PLASTIC/RAGS/SHOVELS/BROOMS 7	.4	49	108	C-753-A	TM
	51242	51242-01	2/7/1997	PPE/PLASTIC/PADS FROM ELECT MT	7.4	44	98	C-753-A	TM
	51247	51247-01	5/23/1997	PPE/RAGS/PLASTIC FROM ELECT MT	7.4	51	113	C-753-A	TM
	51248	51248-01	6/16/1997	PPE/PADS/PLASTIC FROM ELECT MT	7.4	67	148	C-753-A	TM
	51340	CAS-18127	9/8/1995	PPE/RAGS/RUBBER	7.4	43	94	C-753-A	TM
	51348	51348-01	7/9/1996	PPE/RAGS/PIGS/MASLINS	7.4	59	129	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	51349	51349-01	7/12/1996	WOODEN PALLET/PLYWOOD	7.4	64	140	C-753-A	TM
	51359	51359-01	11/22/1995	WOOD/PLASTIC/PPE	7.4	54	118	C-753-A	TM
	51367	51367-01	9/28/1995	PAPER/PLASTIC	7.4	32	71	C-753-A	TM
	51369	51369-01	9/27/1995	PALLET	7.4	66	146	C-753-A	TM
	51371	51371-01	9/27/1995	PLASTIC/WOOD SHAVINGS	7.4	29	64	C-753-A	TM
	51388	51388-01	6/15/1995	PAPER/PLASTIC/WIPES	7.4	44	98	C-753-A	TM
	51404	51404-01	4/7/1995	RAGS/KIMWIPES/PPE/PLASTIC	7.4	39	86	C-753-A	TM
	51413	51413-01	7/14/1995	PPE/GLOVES/PLASTIC	7.4	50	110	C-753-A	TM
	51419	51419-01	8/14/1995	PPE, KIMWIPES	7.4	44	96	C-753-A	TM
	51419	51419-02	8/14/1995	KIMWIPES/PPE	7.4	54	119	C-753-A	TM
	5158	CAS-10086	3/13/1990	HYDRAULIC TUBING/RAGS/MISC	7.4	70	155	ENERGYSOL	TM
	5167	CAS-12674	2/19/1991	FLOOR SWEEP/OILY RAGS	7.4	143	316	ENERGYSOL	TM
	51907	51907-01	12/1/1997	RAGS/PLASTIC/LINERS/MISC. TRASH	90	907	2000	C-753-A	TM
	51908	51908-01	3/6/1997	PADS/RAGS/GLOVES/ZORBALL/TRASH	90	840	1852	ENERGYSOL	TM
	51912	51912-01	9/10/1996	CLAY ABSORBENT	7.4	164	361	C-753-A	TM
	51912	51912-02	9/17/1996	CLAY ABSORBENT	7.4	153	337	C-753-A	TM
	51916	51916-01	9/20/1996	HYPALON/APRONS/GLOVES(RUBBER)	7.4	94	207	C-753-A	TM
	51917	51917-01	9/12/1996	RAGS/PPE	7.4	62	137	C-753-A	TM
	51922	51922-01	7/21/1997	PPE FROM SPILL CLEANUP (#602)	7.4	44	97	C-753-A	TM
	52834	52834-01	8/29/1996	INCINERABLE PCB DEBRIS	7.4	50	111	C-753-A	TM
	52836	52836-01	10/10/1996	PPE	7.4	43	95	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	52848	52848-01	12/9/1996	SAMPLING DEBRIS-PPE,PAPER,PLASTC	7.4	42	92	C-753-A	TM
	5289	CAS-06172	4/27/1988	OILY ZORBALL	7.4	149	329	C-753-A	TM
	53076	53076-01	3/7/1997	PPE/RAGS	7.4	45	99	C-753-A	TM
	53219	53219-01	10/22/1996	WOOD/PPE/PLASTIC	7.4	45	99	C-753-A	TM
	5324	CAS-08525	7/2/1989	TYVEKS/TRASH/SCRAP METAL	7.4	49	107	C-753-A	TM
	5324	CAS-08526	7/2/1989	TRASH	7.4	80	176	C-753-A	TM
	5324	CAS-08527	7/2/1989	TRASH/TYVEKS/SCRAP METAL	7.4	61	135	C-753-A	TM
	5324	CAS-08528	7/2/1989	TRASH/TYVEKS/SCRAP METAL	7.4	48	106	C-753-A	TM
	5324	CAS-08529	7/2/1989	TRASH/SCRAP/IRON	7.4	80	177	C-753-A	TM
	5324	CAS-08530	7/2/1989	TYVEKS/RAGS/SCRAP/IRON	7.4	54	118	C-753-A	TM
	5324	CAS-08531	7/2/1989	TRASH/TYVEKS/SHEET METAL	7.4	59	131	C-753-A	TM
	5324	CAS-08532	7/2/1989	TYVEKS/TRASH/SCRAP IRON	7.4	64	142	C-753-A	TM
	5324	CAS-08533	7/2/1989	TRASH/TYVEKS/SCRAP METAL	7.4	55	122	C-753-A	TM
	5324	CAS-08534	7/2/1989	TRASH/TYVEKS/SCRAP METAL	7.4	52	115	C-753-A	TM
	5357	CAS-09605	11/4/1989	FLOORSWEEP	7.4	78	173	C-753-A	TM
	5360	CAS-09604	9/19/1989	ZORBALL	7.4	190	418	ENERGYSOL	TM
	5361	CAS-09603	12/16/1988	OIL SOAKED ZORBALL	7.4	191	421	ENERGYSOL	TM
	5363	CAS-09465	11/7/1989	TRASH	7.4	111	244	ENERGYSOL	TM
	5363	CAS-09466	11/7/1989	TRASH/DEBRIS	7.4	116	256	C-753-A	TM
	5363	CAS-09467	4/27/1988	PAPER/PLASTIC	7.4	41	91	C-753-A	TM
	5380	CAS-10119	2/20/1990	DEBRIS	7.4	110	243	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	5387	CAS-10084	10/26/1988	ABSORBENT PADS	7.4	78	172	ENERGYSOL	TM
	5391	CAS-08759	5/10/1988	ABSORBENT PADS	7.4	74	164	C-753-A	TM
	53982	53982-01	2/6/1996	WOOD PALLET	7.4	70	154	C-753-A	TM
	53983	53983-01	10/5/1995	PPE/PLASTIC/SMPLG DEBRIS(C-409)	7.4	64	141	C-753-A	TM
	53986	53986-01	3/4/1996	PPE, WOOD	7.4	64	142	C-753-A	TM
	53989	53989-01	3/8/1996	WOODEN PALLETS	7.4	69	152	C-753-A	TM
	53990	53990-01	3/8/1996	WOOD PALLETS/PLASTIC	7.4	46	101	C-753-A	TM
	53991	53991-01	3/8/1996	PIG PADS/PLASTIC/PPE	7.4	40	89	C-753-A	TM
	54002	54002-01	3/20/1996	TYVEK/RAGS/MASLINS/DRUMCOVERS	7.4	39	86	C-753-A	TM
	54014	54014-01	8/29/1996	PALCO/WOOD (PALLETS CUT-UP)	96	907	2000	C-753-A	TM
	54081	54081-01	7/21/1997	WOOD/PLASTIC/PADS/HYPALON	7.4	58	127	ENERGYSOL	TM
	54100	54100-01	9/2/1997	DEPLETED CARBON FILTER SYSTEM	11.4	304	671	C-752-A	TM
	54100	54100-02	9/2/1997	DEPLETED CARBON FILTER SYSTEM	11.4	297	655	C-752-A	TM
	54100	54100-03	9/2/1997	DEPLETED CARBON FILTER SYSTEM	11.4	298	656	C-752-A	TM
	54100	54100-04	9/2/1997	DEPLETED CARBON FILTER SYSTEM	11.4	293	645	C-752-A	TM
	54606	54606-01	5/17/1995	DIRT/FLOORSWEEP/MGF2/UF4	7.4	86	190	C-753-A	TM
	54606	54606-02	5/17/1995	DIRT/FLOORSWEEP/MGF2	7.4	178	392	C-753-A	TM
	54607	54607-01	3/14/1995	RAGS/PLASTIC/GLASS	7.4	54	120	C-753-A	TM
	54619	54619-01	6/13/1996	RAGS/PPE/LIGHT FIXTURE	7.4	41	90	C-753-A	TM
	5466	CAS-14410	7/20/1991	PVC PIPE/OIL SOAKED PADS/BUCKETS	7.4	72	159	C-753-A	TM
	54911	54911-03	9/11/1997	PLASTIC/PADS	7.4	31	68	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	54911	54911-04	12/6/1997	PPE/RAGS	7.4	31	68	C-753-A	TM
	5536	CAS-09565	8/11/1989	GENERAL SALVAGE	7.4	84	186	C-753-A	TM
	5536	CAS-09566	8/9/1989	GENERAL SALVAGE	7.4	34	74	C-753-A	TM
	5536	CAS-09567	8/9/1989	GENERAL SALVAGE	7.4	72	158	C-753-A	TM
	5536	CAS-09568	8/11/1989	GENERAL SALVAGE	7.4	123	271	C-753-A	TM
	5536	CAS-09569	8/11/1989	GENERAL SALVAGE	7.4	147	325	C-753-A	TM
	5536	CAS-09570	8/9/1989	GENERAL SALVAGE	7.4	120	264	C-753-A	TM
	5536	CAS-09571	8/11/1989	GENERAL SALVAGE	7.4	103	226	C-753-A	TM
	5536	CAS-09572	8/11/1989	GENERAL SALVAGE	7.4	162	358	C-753-A	TM
	5539	CAS-09641	12/5/1989	TACKY MATS	7.4	60	132	C-753-A	TM
	5539	CAS-09642	12/5/1989	TACKY MATS	11.4	73	162	ENERGYSOL	TM
	5542	05542-02	12/13/2000	TRASH	7.4	40	89	ENERGYSOL	TM
	55479	55479-01	5/19/1997	PPE/PADS/RAGS	7.4	43	95	C-753-A	TM
	55479	55479-02	5/19/1997	PPE/PADS/RAGS	7.4	38	83	C-753-A	TM
	5548	CAS-12578	3/7/1991	FLOOR SWEEP/TRASH	7.4	76	167	C-753-A	TM
	55484	55484-01	5/23/1997	PPE / TRASH	7.4	27	60	ENERGYSOL	TM
	55488	55488-01	10/20/1997	PPE/RAGS/PADS/PLASTIC	7.4	61	135	C-753-A	TM
	55488	55488-02	10/20/1997	PPE/RAGS/PADS/FLAGGING/MOPHEADS 7	.4	34	75	C-753-A	TM
	55518	55518-01	3/3/1998	PPE/PLASTIC/PADS	7.4	39	87	C-753-A	TM
	55535	55535-01	1/7/1997	SAMPLING DEBRIS-INCINERABLE	7.4	44	96	C-753-A	TM
	55544	55544-01	1/12/1998	PPE/PAPER/PLASTIC	7.4	43	95	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	55545	55545-01	1/12/1998	NON-INCINERABLE SAMPLING DEBRIS	7.4	41	91	C-753-A	TM
	55550	55550-01	1/23/1998	PPE/RAGS/PLASTIC	7.4	39	87	C-753-A	TM
	55644	55644-01	4/16/1997	SLUDGE VACUMMED FROM PCB TANKS	7.4	147	325	C-752-A	TM
	55654	55654-01	4/23/1997	PPE	7.4	27	60	C-753-A	TM
	55657	55657-01	10/13/1997	CUT-UP WOODEN PALLET	7.4	33	73	C-753-A	TM
	55701	55701-01	11/14/1996	EMPTY DAMAGED 17E DRUM	7.4	18	40	C-753-A	TM
	55701	55701-02	11/14/1996	EMPTY DAMAGED 17E DRUM	7.4	18	40	C-753-A	TM
	55701	55701-03	11/14/1996	EMPTY DAMAGED 17E DRUM	7.4	18	40	C-753-A	TM
	55718	55718-01	5/27/1998	PPE/MASLIN	7.4	43	94	C-753-A	TM
	55736	55736-01	3/20/1997	PCB PPE FROM PUMP DECON	7.4	49	107	C-753-A	TM
	55742	55742-01	4/11/1997	OILY RAGS/GLOVES/PIGS	7.4	40	89	C-753-A	TM
	55750	55750-01	5/27/1997	PPE, PLASTIC	7.4	27	60	C-753-A	TM
	55765	55765-01	7/21/1997	PLYWOOD	7.4	68	151	C-753-A	TM
	55765	55765-02	7/21/1997	PLYWOOD	7.4	57	125	C-753-A	TM
	55771	55771-01	9/26/1997	PPE/RAGS/DRUM STRAPS(HARNESS)	0.67	6	13	C-753-A	TM
	55771	55771-02	9/26/1997	RAGS/PADS	0.67	5	11	C-753-A	TM
	55771	55771-03	9/26/1997	PPE/TAPE	0.67	3	6	C-753-A	TM
	55778	55778-01	11/11/1997	WOOD-CUT UP PALLET	7.4	35	78	C-753-A	TM
	55782	55782-01	11/18/1997	PPE/RAGS/PIGS/PLASTIC	0.67	4	9	C-753-A	TM
	5643	CAS-14716	4/3/1990	FLOOR SWEEP	7.4	86	190	ENERGYSOL	TM
	5643	CAS-14718	4/3/1990	FLOOR SWEEP	7.4	178	392	ENERGYSOL	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	5644	CAS-09563	10/20/1989	OILY RAGS	7.4	51	112	C-753-A	TM
	5649	CAS-09531	11/21/1989	RAGS	7.4	57	125	C-753-A	TM
	56674	56674-01	1/22/1997	PAPER/PLASTIC/PPE/ETC.	7.4	42	93	C-753-A	TM
	56675	56675-01	1/22/1997	PAPER/PLASTIC/PPE/ETC.	7.4	39	86	C-753-A	TM
	56677	56677-01	7/24/1996	PPE/PLASTIC/PIG MATS/TAPE	7.4	48	105	C-753-A	TM
	56692	56692-01	9/23/1996	SAMLING DEBRIS	7.4	39	86	C-753-A	TM
	56695	56695-01	9/26/1996	TYVEK/GLOVES/WIPES	7.4	42	92	C-753-A	TM
	56696	56696-01	9/26/1996	CARDBOARD/PADS/PPE/GLOVES	7.4	41	90	C-753-A	TM
	56699	56699-01	10/2/1996	PCB/NON-INCINERABLE GLASS	7.4	48	106	C-753-A	TM
	56703	56703-01	10/23/1996	EMD SAMPLING DEBRIS: PPE/PLASTIC	7.4	54	120	C-753-A	TM
	56708	56708-01	3/31/1997	PPE/RAGS/PAPER/ETC.	7.4	39	87	ENERGYSOL	TM
	56710	56710-01	4/2/1997	PPE/PLASTIC/PAPER	7.4	48	105	C-753-A	TM
	56711	56711-01	10/21/1996	PCB/INCINERABLE DEBRIS	7.4	47	104	C-753-A	TM
	56715	56715-01	11/18/1996	SAMPLING DEBRIS	7.4	39	87	C-753-A	TM
	56722	56722-01	12/3/1996	EMPTY PLASTIC SAMPLE BOTTLES	7.4	31	68	C-753-A	TM
	56725	56725-01	1/13/1997	SOLID SAMPLES-INCINERABLE	7.4	26	58	C-746-Q	TM
	5678	CAS-06382	10/20/1988	SOLID WASTE	7.4	103	227	ENERGYSOL	TM
	5678	CAS-15206	6/11/1989	SOLID WASTE	7.4	160	352	ENERGYSOL	TM
	5694	CAS-15278	7/26/1989	TRASH/FLOOR SWEEEP	11.4	100	220	ENERGYSOL	TM
	5694	CAS-15279	7/26/1989	FLOOR SWEEEP	7.4	169	372	ENERGYSOL	TM
	5694	CAS-15280	7/26/1989	FLOOR SWEEEP/RAGS	11.4	146	322	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	5694	CAS-15301	7/26/1989	FLOOR SWEEP	11.4	166	366	C-753-A	TM
	5714	CAS-06303	12/13/1988	ZORBALL	7.4	148	327	ENERGYSOL	TM
	5714	CAS-15131	12/13/1988	OILY RAGS	7.4	129	285	C-753-A	TM
	5714	CAS-15132	12/13/1988	SOLID WASTE	7.4	165	363	C-753-A	TM
	5714	CAS-15145	12/13/1988	WASTE OIL SOLIDS	7.4	177	390	C-753-A	TM
	5715	CAS-06315	12/25/1988	TRASH	7.4	67	148	C-753-A	TM
	5722	CAS-08584	3/20/1989	ZORBALL	7.4	187	412	ENERGYSOL	TM
	5722	CAS-08585	3/20/1989	ZORBALL	7.4	150	331	ENERGYSOL	TM
	5722	CAS-08586	3/20/1989	ZORBALL	7.4	160	353	ENERGYSOL	TM
	5722	CAS-08587	3/20/1989	ZORBALL	7.4	116	256	ENERGYSOL	TM
	5722	CAS-15208	3/20/1989	ZORBALL	7.4	175	386	ENERGYSOL	TM
	58510	58510-01	1/13/1998	PPE	7.4	29	65	C-753-A	TM
	59804	59804-01	10/16/1996	RAGS/PPE/BROOM/COLIWASAS	7.4	39	85	ENERGYSOL	TM
	59804	59804-02	7/26/1996	RAGS	7.4	80	176	ENERGYSOL	TM
	59806	59806-01	7/22/1996	FLOOR SWEEP	7.4	128	283	C-753-A	TM
	60752	60752-01	1/21/1997	PPE/RAGS	7.4	25	56	C-753-A	TM
	61426	61426-01	5/15/1997	PPE/PADS/PLASTIC FROM ELECT.MAIN	11.4	88	193	C-753-A	TM
	61429	61429-01	7/17/1997	PPE/PADS/PLASTIC FROM ELECTRICAL	7.4	50	111	C-753-A	TM
	61851	61851-01	1/28/1997	SAMPLING DEBRIS:PPE,PAPER,PLASTC	7.4	27	60	C-753-A	TM
	61872	61872-01	7/20/1998	PPE/PAPER/PADS	7.4	62	136	C-753-A	TM
	61881	61881-01	3/31/1997	EMPTY PLASTIC SAMPLE BOTTLES	7.4	37	81	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	61890	61890-01	6/2/1997	SAMPLING DEBRIS	11	73	161	C-746-Q	RTM
	61900	61900-01	9/8/1997	SAMPLING DEBRIS: PPE/PADS/+	7.4	49	107	C-753-A	TM
	61928	61928-01	1/30/1997	PPE/RAGS/PLASTIC	7.4	52	114	C-753-A	TM
	61930	61930-01	3/12/1997	PPE, PLASTIC, KIMTOWELS	7.4	47	103	C-753-A	TM
	61931	61931-01	3/12/1997	PPE, PLASTIC, KIMWIPES, PADS	7.4	49	108	C-753-A	TM
	61937	61937-01	2/18/1998	SAMPLING DEBRIS: PPE/PAPER	7.4	49	108	C-753-A	TM
	61939	61939-01	2/19/1998	SAMPLING DEBRIS: PPE/GLOVES	7.4	47	103	C-753-A	TM
	61953	61953-01	4/10/1997	SAMPLING DEBRIS:PPE/PAPER/ETC.	7.4	39	86	C-752-A	TM
	61956	61956-01	7/22/1997	SAMPLING DEBRIS-PPE/RAGS/PAPER+	7.4	43	94	C-752-A	TM
	61959	61959-01	11/18/1997	SAMPLING DEBRIS:PPE/PAPER/PLASTI	7.4	42	92	C-753-A	TM
	61961	61961-01	1/13/1998	SAMPLING DEBRIS	7.4	44	98	C-753-A	TM
	61962	61962-01	7/13/1998	PPE/PAPER/PLASTIC	7.4	39	87	C-753-A	TM
	61963	61963-01	4/20/1998	PPE/PAPER	7.4	47	104	C-753-A	TM
	61964	61964-01	4/29/1998	PPE/PLASTIC/GLOVES	7.4	48	106	C-753-A	TM
	61966	61966-01	8/10/1998	PPE/RAGS/SAMPLING DEBRIS	7.4	59	130	C-753-A	TM
	61967	61967-01	8/12/1998	PPE/PAPER/PLASTIC	7.4	44	98	C-753-A	TM
	61969	61969-01	7/12/1989	PAPER/PLASTIC/PPE/FLAGGING	7.4	39	86	C-753-A	TM
	61970	61970-01	5/9/1988	RAGS/GLOVES/MOP HEADS/CLOTH	7.4	75	165	C-753-A	TM
	61972	61972-01	5/9/1988	WOOD SCRAP	7.4	33	73	C-753-A	TM
	61973	61973-01	2/2/1987	PPE/FLAGGING/PAPER/PLASTIC	7.4	55	121	C-753-A	TM
	61975	61975-01	5/9/1988	PAPER/PLASTIC/PPE	7.4	48	105	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	62127	62127-01	11/24/1997	SAMPLING DEBRIS: PPE/PLASTIC	7.4	41	90	C-753-A	TM
	62157	62157-01	7/23/1998	SAMPLING DEBRIS:EMPTY BOTTLES	7.4	85	188	C-753-A	TM
	62482	62482-01	5/15/1997	PPE/PADS/PLASTIC/PAPER	7.4	49	108	C-753-A	TM
	62483	62483-01	5/30/1997	PPE/RAGS/PADS	7.4	57	125	C-753-A	TM
	62492	62492-01	8/14/1997	SAMPLING DEBRIS-PPE/EMPTY BOTTLE	7.4	38	83	C-753-A	TM
	62496	62496-01	9/2/1997	SAMPLING DEBRIS: PPE/PLASTIC	7.4	42	93	C-753-A	TM
	62503	62503-01	5/20/1997	SAMPLING DEBRIS:PPE/PAPER/PLASTI	7.4	47	104	C-753-A	TM
	62520	62520-01	5/20/1998	COLIWASAS/BOTTLES	7.4	93	206	C-753-A	TM
	62521	62521-01	5/20/1998	PPE/GLOVES/PAPER	7.4	52	114	C-753-A	TM
	62534	62534-01	5/11/1998	PPE/PAPER/PADS	7.4	43	94	C-753-A	TM
	62535	62535-01	5/27/1998	PPE/RAGS	7.4	47	104	C-753-A	TM
	62551	62551-01	2/3/1998	SAMPLING DEBRIS:GLASS,NON-INCIN	7.4	39	86	C-753-A	TM
	62573	62573-01	7/14/1998	PPE/PLASTIC/PADS/PAPER	7.4	43	95	C-753-A	TM
	62574	62574-01	7/14/1998	NONINCINERABLE SAMPLING DEBRIS	7.4	52	114	C-753-A	TM
	62599	62599-01	8/31/1998	PPE/PAPER/PLASTIC	7.4	50	111	C-753-A	TM
	6278	CAS-06190	5/17/1988	WOOD PALLET	7.4	70	154	C-753-A	TM
	6294	CAS-09827	7/27/1989	TRASH	7.4	34	76	C-753-A	TM
	6294	CAS-09828	7/27/1989	TRASH - LANDFILL SAMPLES	7.4	39	85	C-753-A	TM
	6346	CAS-06138	12/7/1987	CAST IRON DRAIN PIPE	11.4	195	429	ENERGYSOL	TM
	6605	CAS-06208	5/10/1988	FLOORSWEEP	7.4	109	240	C-753-A	TM
	6606	CAS-06213	5/10/1988	FLOOR SWEEP	11.4	136	300	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	6610	CAS-06224	5/10/1988	FLOOR SWEEP	7.4	98	216	C-753-A	TM
	6610	CAS-06228	5/10/1988	FLOORSWEEP	7.4	83	183	C-753-A	TM
	6611	CAS-06248	5/10/1988	FLOORSWEEP	7.4	96	211	C-753-A	TM
	6613	CAS-06253	5/10/1988	FLOORSWEEP	7.4	102	224	C-753-A	TM
	6614	CAS-06259	5/10/1988	FLOORSWEEP	7.4	112	247	C-753-A	TM
	6615	CAS-06280	6/13/1988	FLOORSWEEP	7.4	100	221	C-753-A	TM
	6616	CAS-06341	6/23/1988	FLOOR SWEEP	7.4	115	254	C-753-A	TM
	6616	CAS-06343	6/23/1988	FLOOR SWEEP	7.4	101	222	ENERGYSOL	TM
	6616	CAS-06344	6/23/1988	FLOOR SWEEP	7.4	108	238	C-753-A	TM
	6618	CAS-07992	9/1/1988	FLOORSWEEP	7.4	120	265	C-753-A	TM
	6619	CAS-08318	10/18/1988	FLOORSWEEP	11.4	152	336	C-752-A	TM
	6619	CAS-08319	10/18/1988	ZORBALL	7.4	130	287	C-753-A	TM
	662	CAS-14749	5/10/1988	PAPER/PPE/PLASTIC	7.4	39	87	C-753-A	TM
	662	CAS-15203	7/24/1989	FLOOR SWEEP/TRASH	11.4	116	256	C-753-A	TM
	6620	CAS-06373	8/30/1988	FLOORSWEEP	7.4	101	222	C-753-A	TM
	663	CAS-15140	7/24/1989	ZORBALL/TRASH	11.4	108	239	C-753-A	TM
	6641	CAS-12511	1/29/1991	ZORBALL	7.4	59	129	C-753-A	TM
	6683	CAS-08379	3/27/1989	CONT. COVERALLS AND WORK SHOES	7.4	40	88	C-753-A	TM
	6739	CAS-03691	3/27/1991	RAGS, PIGS, CONCRETE/PIGS PER ES	7.4	127	281	C-753-A	TM
	6739	CAS-12509	3/27/1991	RAGS, PIGS, CONCRETE/PIGS PER ES	7.4	78	172	C-753-A	TM
	6739	CAS-12510	3/27/1991	RAGS, PIGS, CONCRETE/PIGS PER ES	11.4	112	247	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	6746	CAS-08366	3/21/1989	PCB SOLID WASTE	11.4	138	305	ENERGYSOL	TM
	7056	CAS-09608	10/18/1988	RAGS	7.4	49	108	C-753-A	TM
	7072	CAS-08695	10/19/1989	DEBRIS/PLASTIC/RAGS	7.4	39	86	ENERGYSOL	TM
	7072	CAS-08697	10/19/1989	DEBRIS/PLASTIC/RAGS	7.4	40	88	C-753-A	TM
	7160	CAS-09829	2/6/1990	TRASH (PLASTIC)	7.4	37	82	C-753-A	TM
	7160	CAS-09830	2/6/1990	TRASH (PLASTIC)	7.4	61	135	C-753-A	TM
	7160	CAS-09831	2/6/1990	TRASH (PLASTIC)	7.4	43	94	C-753-A	TM
	7160	CAS-09833	2/6/1990	TRASH (PLASTIC)	7.4	39	85	C-753-A	TM
	7160	CAS-09834	2/6/1990	TRASH (PLASTIC)	7.4	44	98	C-753-A	TM
	7160	CAS-09835	2/6/1990	TRASH (PLASTIC)PER RFD	7.4	105	231	C-753-A	TM
	7160	CAS-12425	2/6/1990	TRASH (PLASTIC)	7.4	48	105	C-753-A	TM
	7160	CAS-16007	2/6/1990	TRASH (PLASTIC)	7.4	51	113	C-753-A	TM
	7227	CAS-08279	11/17/1988	PCB/U CONTAMINATED WASTE	7.4	132	291	ENERGYSOL	TM
	7266	CAS-10723	9/19/1989	ABSORBENT PADS	7.4	80	176	ENERGYSOL	TM
	7273	CAS-10414	11/1/1989	ABSORBENT PADS	7.4	52	115	C-753-A	TM
	7273	HC-2001	6/12/1990	ABSORBENT PADS	7.4	39	85	C-753-A	TM
	7353	CAS-08324	9/16/1988	ZORBALL	7.4	146	321	C-753-A	TM
	7361	CAS-08274	10/26/1988	ZORBALL	7.4	162	358	ENERGYSOL	TM
	7373	CAS-06237	10/18/1988	ZORBALL	7.4	55	121	ENERGYSOL	TM
	7496	CAS-09469	11/13/1989	TRASH	7.4	70	155	C-753-A	TM
	7496	CAS-09470	11/13/1989	TRASH	7.4	78	172	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	7497	CAS-09893	12/15/1989	TACKY MATS	7.4	68	150	C-753-A	TM
	7710	07710-01	6/30/2000	TRASH/PLASTIC/PAPER/RAGS/COVERALLS	7.4	76	167	C-753-A	TM
	7726	CAS-08462	3/29/1989	FLOOR SWEEP	7.4	108	238	ENERGYSOL	TM
	7726	CAS-08463	3/29/1989	FLOORSWEEP	7.4	99	218	ENERGYSOL	TM
	7727	CAS-14642	1/6/1989	FLOOR SWEEP	7.4	112	247	ENERGYSOL	TM
	7727	CAS-14643	1/6/1989	FLOOR SWEEP	7.4	102	225	ENERGYSOL	TM
	7727	CAS-14644	1/6/1989	FLOOR SWEEP	7.4	86	190	ENERGYSOL	TM
	7727	CAS-14645	1/6/1989	FLOOR SWEEP	7.4	108	238	ENERGYSOL	TM
	7727	CAS-14696	1/6/1989	FLOOR SWEEP	7.4	98	216	ENERGYSOL	TM
	7727	CAS-14697	1/6/1989	FLOOR SWEEP	7.4	102	224	ENERGYSOL	TM
	7727	CAS-14698	1/6/1989	FLOOR SWEEP	7.4	111	244	ENERGYSOL	TM
	7727	CAS-14699	1/6/1989	FLOOR SWEEP	7.4	106	233	ENERGYSOL	TM
	7727	CAS-14700	1/6/1989	FLOOR SWEEP	7.4	117	257	ENERGYSOL	TM
	7727	CAS-14701	1/6/1989	FLOOR SWEEP	7.4	107	235	ENERGYSOL	TM
	7729	CAS-08573	1/19/1989	FLOOR SWEEP	7.4	102	225	C-753-A	TM
	7731	CAS-08449	2/1/1989	FLOORSWEEP	7.4	115	253	C-753-A	TM
	7731	CAS-08450	2/1/1989	FLOORSWEEP	7.4	119	263	C-753-A	TM
	7732	CAS-08451	2/3/1989	FLOOR SWEEP	7.4	91	200	C-753-A	TM
	7732	CAS-08452	2/3/1989	FLOORSWEEP	7.4	99	219	C-753-A	TM
	7733	CAS-08454	3/3/1989	PCB/U SOLID WASTE; FLOOR SWEEP	11.4	133	294	C-746-Q	TM
	7733	CAS-08455	3/3/1989	FLOORSWEEP	7.4	90	199	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	7733	CAS-08457	3/3/1989	FLOOR SWEEP	11.4	134	296	C-753-A	TM
	7734	CAS-14741	3/3/1989	FLOORSWEEP	7.4	98	217	C-753-A	TM
	7734	CAS-14746	3/3/1989	FLOORSWEEP	7.4	97	213	C-753-A	TM
	7735	CAS-08575	3/3/1989	FLOORSWEEP	7.4	85	187	C-753-A	TM
	7737	CAS-15266	4/2/1990	FLOOR SWEEP	7.4	112	248	C-753-A	TM
	7737	CAS-15267	2/6/1990	ZORBALL / FLOORSWEEP	7.4	85	187	C-753-A	TM
	7737	CAS-15268	4/2/1990	ZORBALL	7.4	100	220	C-753-A	TM
	7737	CAS-15269	2/6/1990	FLOOR SWEEP	7.4	99	218	C-753-A	TM
	7739	CAS-08581	3/16/1989	SWEEPING COMPOUND	7.4	88	193	ENERGYSOL	TM
	7739	CAS-08582	3/11/1989	FLOORSWEEP	7.4	90	198	C-753-A	TM
	7739	CAS-08583	3/11/1989	FLOORSWEEP	7.4	65	144	C-753-A	TM
	7740	CAS-15147	3/21/1989	FLOORSWEEP	7.4	88	193	C-753-A	TM
	7740	CAS-15154	3/21/1989	FLOOR SWEEP	7.4	88	194	C-753-A	TM
	7741	CAS-15089	4/18/1989	FLOOR SWEEP	7.4	98	215	ENERGYSOL	TM
	7741	CAS-15098	4/18/1989	FLOOR SWEEP	7.4	97	213	ENERGYSOL	TM
	7741	CAS-15099	4/18/1989	FLOORSWEEP	7.4	103	228	C-753-A	TM
	7745	CAS-15090	9/5/1989	ZORBALL	7.4	96	211	ENERGYSOL	TM
	7745	CAS-15100	9/5/1989	FLOORSWEEP	7.4	93	205	C-753-A	TM
	7745	CAS-15111	9/5/1989	FLOORSWEEP	7.4	81	179	C-753-A	TM
	7745	CAS-15160	10/9/1989	FLOOR SWEEP	7.4	86	190	ENERGYSOL	TM
	7745	CAS-15161	9/5/1989	FLOOR SWEEP	7.4	96	212	ENERGYSOL	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	7745	CAS-15162	10/9/1989	FLOOR SWEEP	7.4	78	171	ENERGYSOL	TM
	7745	CAS-15163	9/8/1989	FLOOR SWEEP	7.4	82	181	ENERGYSOL	TM
	7748	CAS-15194	9/18/1989	PLASTIC FILTERS	7.4	42	92	C-753-A	TM
	7749	CAS-14710	9/26/1989	FLOOR SWEEP	11.4	154	340	ENERGYSOL	TM
	7749	CAS-14711	9/26/1989	FLOOR SWEEP	7.4	56	123	ENERGYSOL	TM
	7750	CAS-15082	9/26/1989	FLOOR SWEEP	7.4	102	224	ENERGYSOL	TM
	7750	CAS-15083	9/27/1989	FLOOR SWEEP	7.4	152	335	ENERGYSOL	TM
	7750	CAS-15084	9/27/1989	FLOOR SWEEP	7.4	98	217	ENERGYSOL	TM
	7750	CAS-15085	9/27/1989	FLOOR SWEEP	7.4	100	220	ENERGYSOL	TM
	7750	CAS-15243	9/30/1989	FLOOR SWEEP	7.4	90	199	ENERGYSOL	TM
	7750	CAS-15244	9/30/1989	FLOOR SWEEP	7.4	89	196	ENERGYSOL	TM
	7750	CAS-15259	9/30/1989	FLOOR SWEEP	7.4	101	222	ENERGYSOL	TM
	7750	CAS-15260	9/30/1989	FLOOR SWEEP	7.4	106	234	ENERGYSOL	TM
	7750	CAS-15261	9/27/1989	FLOOR SWEEP	7.4	119	263	ENERGYSOL	TM
	8005	CAS-14448	8/8/1991	PVC PIPE/TUBING/FIBERGLASS/PADS	7.4	62	136	ENERGYSOL	TM
	8114	CAS-15135	3/19/1989	ZORBALL	11.4	203	448	ENERGYSOL	TM
	8114	CAS-15137	3/19/1989	ZORBALL	11.4	127	280	ENERGYSOL	TM
	8114	CAS-15138	3/19/1989	ZORBALL	11.4	205	453	ENERGYSOL	TM
	8137	CAS-15196	8/15/1989	EMPTY ACTIVATED ALUMINA	11.4	85	187	C-733	TM
	8144	CAS-14432	9/7/1989	PAPER/PPE/PLASTIC	11.4	80	176	ENERGYSOL	TM
	8158	CAS-09724	12/18/1989	TRASH/FILTERS	7.4	39	85	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	8163	CAS-10341	6/20/1990	CLOTH, PAPER, PLASTIC	7.4	42	92	C-753-A	TM
	8163	CAS-10342	6/20/1990	CLOTH, PAPER, PLASTIC	7.4	49	108	C-753-A	TM
	8163	CAS-10343	6/20/1990	CLOTH, PAPER, PLASTIC	7.4	44	97	C-753-A	TM
	8163	CAS-10344	6/20/1990	CLOTH, PAPER, PLASTIC	7.4	53	116	C-753-A	TM
	8163	CAS-10345	6/20/1990	CLOTH, PAPER, PLASTIC	7.4	65	143	C-753-A	TM
	8163	CAS-10346	6/20/1990	CLOTH, PAPER, PLASTIC	7.4	64	140	C-753-A	TM
	8163	CAS-12504	6/20/1990	CLOTH, PAPER, PLASTIC	7.4	41	91	C-753-A	TM
	8395	CAS-08678	2/14/1991	LAB WASTE	7.4	53	116	C-753-A	TM
	8415	CAS-09737	8/16/1989	OIL CONTAMINATED WOOD	7.4	57	125	C-753-A	TM
	8444	CAS-11285	12/11/1990	2' X 2' PCB TRANSFORMER	7.4	191	420	C-753-A	TM
	8480	CAS-10096	3/26/1990	PAPER, RAGS, GLASS BOTTLES	11.4	132	292	C-753-A	TM
	8480	CAS-10097	3/26/1990	PAPER, RAGS, GLASS BOTTLES	7.4	91	200	ENERGYSOL	TM
	8548	CAS-09707	2/7/1990	RAGS/GLOVES	7.4	64	141	ENERGYSOL	TM
	8548	CAS-09708	2/7/1990	RAGS/GLOVES	7.4	53	117	C-753-A	TM
	8662	CAS-14873	1/21/1992	CONCRETE BLOCKS	7.4	210	464	C-752-A	TM
	8662	CAS-14874	1/21/1992	CONCRETE BLOCKS	7.4	209	460	C-752-A	TM
	8662	CAS-14875	1/21/1992	CONCRETE BLOCKS	7.4	197	434	C-752-A	TM
	8662	CAS-14876	1/21/1992	CONCRETE BLOCKS	7.4	46	102	C-752-A	TM
	8662	CAS-14877	1/21/1992	CONCRETE BLOCKS	7.4	254	560	C-752-A	TM
	8662	CAS-14878	1/21/1992	CONCRETE BLOCKS	7.4	226	498	C-752-A	TM
	8662	CAS-14879	1/21/1992	CONCRETE BLOCKS	7.4	215	474	C-752-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	8662	CAS-14880	1/21/1992	CONCRETE BLOCKS	7.4	171	376	C-752-A	TM
	8662	CAS-14881	1/21/1992	CONCRETE BLOCKS	7.4	193	425	C-752-A	TM
	8678	CAS-14956	2/21/1992	TYVEKS/GLOVES/SHOE COVERS	11.4	76	167	ENERGYSOL	TM
	8686	CAS-15402	5/9/1992	PADS (SPILL PCB-291)	11.4	109	241	C-753-A	TM
	8831	CAS-11301	12/6/1990	ZORBALL AND RAGS	7.4	73	162	ENERGYSOL	TM
	8864	CAS-11300	12/6/1990	ZORBAL, OILY RAGS	11.4	122	269	C-753-A	TM
	92033	CAS-06381	10/20/1988	SOLID WASTE MISCELLANEOUS	7.4	199	439	C-753-A	TM
	92041	CAS-09747	3/23/1990	PPE/PAPER/WOOD/METAL NUTS AND BOLTS; DEBRIS / TRASH	7.4	39	85	C-753-A	TM
	92044	CAS-06171	8/7/1986	MISC SOLIDS	7.4	183	403	C-753-A	TM
	92050	CAS-02546	2/25/1987	PCB SOLID WASTE	7.4	75	165	C-753-A	TM
	92051	CAS-02550	6/7/1985	FLOORSWEEP, RAGS FROM PCB CLEANUP	7.4	91	200	C-753-A	TM
	92053	CAS-02262	2/25/1985	MISCELLANEOUS	11.4	127	280	ENERGYSOL	TM
	92054	CAS-02263	2/25/1985	MISCELLANEOUS	11.4	288	634	C-753-A	TM
	92055	CAS-02294	12/11/1984	HYDRAULIC CLEANUP	7.4	83	184	C-753-A	TM
	92058	CAS-00170	5/23/1986	MISCELLANEOUS PCB CONTAMINATED SOLIDS	7.4	91	200	C-753-A	TM
	92059	CAS-00271	5/15/1984	MISCELLANEOUS	7.4	91	200	C-753-A	TM
	92060	CAS-00501	7/29/1983	MISCELLANEOUS	7.4	91	200	C-753-A	TM
	9229	CAS-09710	9/25/1989	TACKY MATS	7.4	34	74	C-753-A	TM
	9235	CAS-10152	10/3/1989	ZORBALL	7.4	210	463	ENERGYSOL	TM
	9235	CAS-10153	10/3/1989	ZORBALL	11.4	227	500	ENERGYSOL	TM
	9235	CAS-10155	10/3/1989	ZORBALL	7.4	165	363	ENERGYSOL	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	9239	CAS-08749	10/16/1989	OILY ZORBALL	7.4	176	387	ENERGYSOL	TM
	9244	CAS-09697	10/26/1989	OILY ZORBALL	7.4	141	311	ENERGYSOL	TM
	9245	CAS-08746	9/7/1989	ZORBALL	7.4	165	364	ENERGYSOL	TM
	9245	CAS-08747	11/1/1989	ZORBALL/RAGS/PADS	7.4	47	104	ENERGYSOL	TM
	9245	CAS-08748	11/1/1989	ZORBALL	7.4	69	152	C-753-A	TM
	9245	CAS-08751	11/1/1989	ZORBALL/RAGS/PADS	7.4	59	131	ENERGYSOL	TM
	9245	CAS-08752	11/1/1989	ZORBALL/RAGS/PADS	7.4	61	134	ENERGYSOL	TM
	9256	CAS-09640	10/31/1989	TACKY MATS	7.4	48	105	C-753-A	TM
	9257	CAS-09692	10/31/1989	TRASH	7.4	51	113	C-753-A	TM
	9280	CAS-10094	2/20/1990	RAGS, GLOVES	7.4	54	118	C-753-A	TM
	9280	CAS-10095	2/20/1990	RAGS, GLOVES	7.4	78	172	C-753-A	TM
	9281	CAS-10350	6/21/1990	TRASH	7.4	66	145	C-753-A	TM
	9282	CAS-10351	6/25/1990	TRASH	7.4	68	150	C-753-A	TM
	9282	CAS-10352	6/25/1990	TRASH	7.4	49	107	C-753-A	TM
	9282	CAS-10353	6/25/1990	TRASH	7.4	85	187	C-753-A	TM
	9282	CAS-10354	6/25/1990	TRASH	7.4	55	122	C-753-A	TM
	9282	CAS-10355	6/25/1990	TRASH	7.4	94	207	C-753-A	TM
	9283	CAS-08588	6/25/1990	TRASH	11.4	138	304	C-753-A	TM
	9283	CAS-08590	6/25/1990	TRASH; SOLID ASKAREL WASTE	7.4	44	97	C-753-A	TM
	9286	CAS-09771	11/29/1989	TACKY MATS	7.4	43	95	C-753-A	TM
	9288	CAS-09645	12/31/1989	OILY ZORBALL/PADS/TRASH	7.4	59	130	ENERGYSOL	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	9288	CAS-09646	12/31/1989	OILY ZORBALL/PADS/TRASH	7.4	59	130	C-753-A	TM
	9288	CAS-09647	12/31/1989	OILY ZORBALL/PADS/TRASH	7.4	59	130	ENERGYSOL	TM
	9288	CAS-09649	12/31/1989	OILY ZORBALL/PADS/TRASH	7.4	75	166	ENERGYSOL	TM
	9288	CAS-09650	12/31/1989	TRASH PER SAMPLING	7.4	75	166	ENERGYSOL	TM
	9288	CAS-09651	12/31/1989	TRASH PER SAMPLING	7.4	75	166	C-753-A	TM
	9288	CAS-09652	12/31/1989	TRASH PER SAMPLING	7.4	75	166	C-753-A	TM
	9288	CAS-09653	12/31/1989	OILY ZORBALL/PADS/TRASH	7.4	84	185	ENERGYSOL	TM
	9288	CAS-09655	12/31/1989	OILY ZORBALL/PADS/TRASH	7.4	84	185	ENERGYSOL	TM
	9288	CAS-09656	12/31/1989	OILY ZORBALL/PADS/TRASH	7.4	84	185	ENERGYSOL	TM
	9288	CAS-09660	12/31/1989	TRASH PER SAMPLING	7.4	59	130	C-753-A	TM
	9288	CAS-09663	12/31/1989	OILY ZORBALL/PADS/TRASH	7.4	45	100	ENERGYSOL	TM
	9288	CAS-09664	12/31/1989	OILY ZORBALL/PADS/TRASH	7.4	45	100	ENERGYSOL	TM
	9288	CAS-09665	12/31/1989	OILY ZORBALL/PADS/TRASH	7.4	59	130	ENERGYSOL	TM
	9288	CAS-09667	12/31/1989	OILY ZORBALL/PADS/TRASH	11.4	98	215	C-753-A	TM
	9288	CAS-09669	12/31/1989	OILY ZORBALL/PADS/TRASH	7.4	54	120	ENERGYSOL	TM
	9288	CAS-09679	12/31/1989	TRASH	7.4	82	181	ENERGYSOL	TM
	9288	CAS-09680	12/31/1989	OILY ZORBALL/PADS/TRASH	7.4	82	181	ENERGYSOL	TM
	9288	CAS-09685	12/31/1989	OILY ZORBALL/PADS/TRASH	7.4	45	100	ENERGYSOL	TM
	9291	CAS-09689	9/7/1989	ABSORBANT PADS/PIGS	7.4	52	114	ENERGYSOL	TM
	9295	CAS-09876	1/28/1990	ZORBALL	7.4	223	492	ENERGYSOL	TM
	9295	CAS-09877	1/28/1990	ZORBALL	7.4	220	484	ENERGYSOL	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	9407	CAS-09784	9/21/1989	RAGS/PLASTIC; CONTAMINATED TRASH	7.4	66	145	C-753-A	TM
	9424	09424-02	5/8/1998	FLOOR SWEEP	7.4	112	248	C-753-A	TM
	9478	CAS-09726	7/25/1989	DEBRIS	11.4	97	214	ENERGYSOL	TM
	9480	CAS-09727	7/25/1989	PREVIOUSLY CONTAINED PADS?	11.4	62	136	C-753-A	TM
	9480	CAS-09728	7/25/1989	PADS	7.4	128	282	C-753-A	TM
	9480	CAS-09729	5/10/1988	PAPER/PLASTIC/ETC.(PPE)	7.4	34	75	C-753-A	TM
	9481	09481-01	12/13/2000	TRASH	7.4	73	161	C-753-A	TM
	9505	CAS-10145	8/9/1990	OILY ZORBALL	7.4	69	153	C-753-A	TM
	9508	09508-01	12/13/2000	TRASH	7.4	59	130	C-753-A	TM
	9553	CAS-09774	9/20/1989	TRASH - LANDFILL DUMP SAMPLES	7.4	39	85	C-753-A	TM
	9555	09555-14	12/13/2000	TRASH	7.4	48	105	C-753-A	TM
	9563	CAS-09781	11/29/1989	TRASH	7.4	55	121	C-753-A	TM
	9713	CAS-10795	5/10/1988	PADS/PIGS	7.4	55	121	C-753-A	TM
	9802	CAS-15292	8/22/1989	FLOOR SWEEP	7.4	113	250	ENERGYSOL	TM
	9836	CAS-15300	9/21/1989	TRASH AROUND SLAG UNIT NEAR FURN	7.4	67	147	C-753-A	TM
	9837	CAS-09879	9/22/1989	TRASH	7.4	47	104	C-753-A	TM
	9837	CAS-09880	9/22/1989	TRASH	7.4	59	130	C-753-A	TM
	9842	CAS-09821	10/31/1989	DEBRIS/PLASTIC/DIRT	7.4	80	177	C-753-A	TM
	9842	CAS-09822	10/31/1989	DEBRIS/PLASTIC/DIRT	7.4	55	121	C-753-A	TM
	9842	CAS-09823	10/31/1989	DEBRIS/PLASTIC/DIRT	7.4	91	201	C-753-A	TM
	9842	CAS-09824	10/31/1989	DEBRIS/PLASTIC/DIRT	7.4	37	81	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
CS	9842	CAS-09825	10/31/1989	DEBRIS/PLASTIC/DIRT	7.4	66	145	C-753-A	TM
	9844	CAS-14325	12/11/1990	ZORBALL	7.4	185	407	C-753-A	TM
	9844	CAS-14326	12/11/1990	RFD HAD WASTE OIL, WAS ZORBALL	7.4	301	663	C-753-A	TM

Table B.3. 2009 PCB Beginning Inventory (Continued)

PCB ITEM	RFD	WASTE ITEM ID	PCB START DATE	DESCRIPTION	NET VOLUME (ft3)	GROSS WEIGHT (KG)	GROSS WEIGHT (LBS)	STORAGE FACILITY	WASTE CATEGORY
Summary of Inventory 12/31/2008					**NET VOLUME (ft3)**	**GROSS WEIGHT (KG)**	**GROSS WEIGHT (LBS)**		
	2	*A*		*PCB TRANSFORMER*	*2737*	*32886*	*72500*		
	4	*AC*		*BALLAST*	*29.6*	*1159*	*2555.999*		
	1	*AC*		*ELECTRICAL EQUIPMENT*	*7.4*	*130*	*287*		
	10	*AC*		*LARGE CAPACITOR*	*299.1*	*6651*	*14662*		
	8	*AC*		*MISC EQUIPMENT*	*313*	*2850*	*6286*		
	38	*AC*		*PCB TRANSFORMER*	*261.6*	*6583*	*14515*		
	1	*AC*		*SMALL CAPACITOR*	*1*	*2*	*5*		
	56	*CL*		*Containers - Liquid*	*271.45*	*5863*	*12923.999*		
	1570	*CS*		*Containers - Solid*	*12777.9599999997*	*136565*	*301027.999*		
Total PCB Waste Items as of 12/31/08					**NET VOLUME (ft3)**	**GROSS WEIGHT (KG)**	**GROSS WEIGHT (LBS)**		
	1690				***16698.11***	***192689***	***424762.997***		

Table B.4. PCB Waste Generated in 2009

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	GROSS WT (LBS)	GROSS WT (KG)	NET VOLUME (ft^3)	PHYSICAL	FACILITY	SOURCE	WASTE CATEGORY	DESTINATION WID
106749	106749-01	AC	PCB BALLAST DTS 05-05-09	5/5/2009	545	247	7.4	SOLID	C-752-A	C-333	TM	
108185	108185-01	AC	ONE GREY METAL BOX - SOLID TRANSFORMER OCTAGON SHAPED ~ 75 LBS PCB'S >500 PPM 1'X1'X2'	4/2/2009	142	64	4	SOLID	C-753-A	C-746-D	TM	108245-01
117110	117110-01	AC	5-GALLON COLLECTION DRUM FOR RAD/CONTAMINATED PCB CAPACITORS	3/17/2009	46	21	0.67	SOLID	C-753-A	PGDP	TM	108245-01
117111	117111-01	AC	COLLECTION DRUM FOR PCB/RAD CAPACITORS (30 GALLON)	4/13/2009	35	16	0.67	SOLID	C-753-A	PGDP	TM	108245-01
117164	117164-01	AC	SEALAND - MISC CONTRACT CLOSURE DEBRIS, plus repack with 3 TRANSFORMERS FROM C-410 (RFD 118422-01) (weight and volumn adjusted to avoid double counting)	12/11/2009	7955	3608	450	SOLID	C-753-A	C-410	TM	
118337	118337-01	AC	PCB CAPACITORS (2, SMALL). TWO SMALL (1" X 4") CAPACITORS REMOVED FROM LINE RECORDERS FROM C-532. WIPE SAMPLED UNDER USR-2749 (ATTACHED). DTS 1-10-09	1/10/2009	8	4	0.67	SOLID	C-753-A	C-532	TM	108245-01
118371	118371-01	AC	PCB BALLAST DTS 1-21-09	1/21/2009	522	237	7.4	SOLID	C-752-A	C-331	TM	
118422	118422-01	AC	3 PCB Transformers	12/11/2009	4465	2025	90	SOLID	C-753-A	C-410	TM	117164-01
120402	120402-01	AC	PCB LIGHT BALLASTS - NO-LEAKING	11/9/2009	42	19	0.67	SOLID	C-752-A	C-400	TM	

Table B.4. PCB Waste Generated in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	GROSS WT (LBS)	GROSS WT (KG)	NET VOLUME (ft^3)	PHYSICAL	FACILITY	SOURCE	WASTE CATEGORY	DESTINATION WID
120402	120402-02	AC	PCB LIGHT BALLASTS - NO-LEAKING	11/9/2009	26	12	0.67	SOLID	C-752-A	C-400	TM	
NA	FD-0450	AC	PCB Small Capacitors non-leaking C-410/Sector 4	10/13/2009	266	121	7.4	SOLID	C-410 GSA	C-410	TM	106854-03
NA	FD-0451	AC	PCB Small Capacitors non-leaking C-410/Sector 4	10/13/2009	130	59	7.4	SOLID	C-410 GSA	C-410	TM	106854-02
NA	FD-0452	AC	PCB Small Capacitors non-leaking C-410/Sector 4	10/13/2009	248	112	7.4	SOLID	C-410 GSA	C-410	TM	106854-05
NA	FD-0453	AC	PCB Small Capacitors non-leaking C-410/Sector 4	10/13/2009	140	64	7.4	SOLID	C-410 GSA	C-410	TM	106854-04
NA	FD-0454	AC	PCB Small Capacitors	10/21/2009	246	112	7.4	SOLID	C-410 GSA	C-410	TM	106854-01
104992	104992-01	CL	USEC PCB/RCRA LIQUIDS	11/6/2009	5	2	0.67	LIQUID	C-710	C-710	RTM	
107545	107545-01	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	8/4/2009	441	200	7.4	LIQUID	C-746-Q	PGDP	RTM	
107545	107545-02	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	9/16/2009	452	205	7.4	LIQUID	C-746-Q	PGDP	RTM	
107545	107545-03	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	10/14/2009	457	207	7.4	LIQUID	C-746-Q	PGDP	RTM	
107545	107545-04	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	11/4/2009	429	195	7.4	LIQUID	C-746-Q	PGDP	RTM	

Table B.4. PCB Waste Generated in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	GROSS WT (LBS)	GROSS WT (KG)	NET VOLUME (ft^3)	PHYSICAL	FACILITY	SOURCE	WASTE CATEGORY	DESTINATION WID
107545	107545-05	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	12/29/2009	50	23	7.4	LIQUID	C-746-Q	PGDP	RTM	
108898	108898-05	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	2/2/2009	463	210	7.4	LIQUID	C-746-Q	PGDP	RTM	
108898	108898-06	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	2/3/2009	450	204	7.4	LIQUID	C-746-Q	PGDP	RTM	
108898	108898-07	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	2/4/2009	422	191	7.4	LIQUID	C-746-Q	PGDP	RTM	
108900	108900-02	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS.	3/25/2009	446	202	7.4	LIQUID	C-746-Q	PGDP	RTM	
108900	108900-03	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS.	2/10/2009	362	164	7.4	LIQUID	C-746-Q	PGDP	RTM	
108900	108900-04	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS.	3/25/2009	349	158	7.4	LIQUID	C-746-Q	PGDP	RTM	
108900	108900-05	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS.	6/30/2009	430	195	7.4	LIQUID	C-746-Q	PGDP	RTM	
117257	117257-01	CL	55 GALLON COLLECTION CONTAINER OF PCB-CONTAMINATED GASOLINE FROM PCB-CONT. EQUIPMENT IN C-746-A. CONTRACT CLOSURE.	10/1/2009	85	39	7.4	LIQUID	C-733	PGDP	RTM	

Table B.4. PCB Waste Generated in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	GROSS WT (LBS)	GROSS WT (KG)	NET VOLUME (ft^3)	PHYSICAL	FACILITY	SOURCE	WASTE CATEGORY	DESTINATION WID
118510	118510-01	CL	RCRA HAZARDOUS LIQUIDS FROM OIL ANALYSIS. RCRA FOR F003, F005, D001. PCB'S PRESENT AT >500 PPM (DATA ATTACHED) AD 8-31-09 TREAT DATE 11-28-09 DTS 9-29-09	9/29/2009	42	19	0.67	LIQUID	C-733	C-710	RTM	
118526	118526-01	CL	OIL FROM C-620 TRANSFORMER SWI TRAP CHANGER. DTS 9-29-09	9/29/2009	405	184	7.4	LIQUID	C-752-A	C-533	TM	
118526	118526-02	CL	OIL FROM C-620 TRANSFORMER SWI TRAP CHANGER. DTS 9-29-09	9/29/2009	408	185	7.4	LIQUID	C-752-A	C-533	TM	
118526	118526-03	CL	OIL FROM C-620 TRANSFORMER SWI TRAP CHANGER. DTS 9-29-09	9/29/2009	153	69	7.4	LIQUID	C-752-A	C-533	TM	
107546	107546-01	CS	PCB SPILL CLEANUP DEBRIS: PPE, PLASTIC, RAGS/PADS	7/30/2009	106	48	7.4	SLUDGE	C-746-Q	PGDP	TM	
107546	107546-02	CS	PCB SPILL CLEANUP DEBRIS: PPE, PLASTIC, RAGS/PADS	7/30/2009	109	49	7.4	SLUDGE	C-746-Q	PGDP	TM	
107546	107546-03	CS	PCB SPILL CLEANUP DEBRIS: PPE, PLASTIC, RAGS/PADS	10/7/2009	98	44	7.4	SLUDGE	C-746-Q	PGDP	TM	
107957	107957-01	CS	USEC PCB/RCRA SOLIDS	8/18/2009	5	2	0.67	SOLID	C-710	C-710	RTM	
108170	108170-01	CS	PPE/PAPER/PLASTIC/HOSES/SMALL AMOUNT OF METAL FROM FACILITY CLEANUP.	2/11/2009	1022	464	90	SOLID	C-752-A	C-752-A	TM	
108552	108552-01	CS	PCB SOLIDS- PADS, PPE, RAGS, MOPHEAD 49891W DTS 6-7-09	6/7/2009	68	31	7.4	SOLID	C-752-A	C-337	TM	

Table B.4. PCB Waste Generated in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	GROSS WT (LBS)	GROSS WT (KG)	NET VOLUME (ft^3)	PHYSICAL	FACILITY	SOURCE	WASTE CATEGORY	DESTINATION WID
108560	108560-01	CS	PCB METAL DTS 08-07-09	8/7/2009	1522	690	90	SOLID	C-746-Q	C-331	TM	
108899	108899-02	CS	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	3/4/2009	97	44	7.4	SOLID	C-746-Q	PGDP	TM	
108899	108899-03	CS	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	4/24/2009	128	58	7.4	SOLID	C-746-Q	PGDP	TM	
108899	108899-04	CS	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	5/21/2009	135	61	7.4	SOLID	C-746-Q	PGDP	TM	
108899	108899-05	CS	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	6/30/2009	111	50	7.4	SOLID	C-746-Q	PGDP	TM	
109605	109605-01	CS	EMPTY DRUMS, CRUSHED	11/12/2009	15560	7058	690	SOLID	C-746-A	C-746-B	TM	
109605	109605-02	CS	EMPTY DRUMS, CRUSHED	11/16/2009	17160	7784	690	SOLID	C-746-A	C-746-B	TM	
109605	109605-03	CS	EMPTY DRUMS, CRUSHED	11/16/2009	14560	6604	690	SOLID	C-746-A	C-746-B	TM	
109605	109605-04	CS	EMPTY DRUMS, CRUSHED	11/16/2009	14960	6786	690	SOLID	C-746-A	C-746-B	TM	
109605	109605-05	CS	EMPTY DRUMS, CRUSHED	11/20/2009	17360	7874	690	SOLID	C-746-A	C-746-B	TM	
109605	109605-06	CS	EMPTY DRUMS, CRUSHED	11/23/2009	15760	7149	690	SOLID	C-746-A	C-746-B	TM	
109605	109605-07	CS	EMPTY DRUMS, CRUSHED	12/3/2009	19400	8800	690	SOLID	C-746-A	C-746-B	TM	

Table B.4. PCB Waste Generated in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	GROSS WT (LBS)	GROSS WT (KG)	NET VOLUME (ft^3)	PHYSICAL	FACILITY	SOURCE	WASTE CATEGORY	DESTINATION WID
109605	109605-08	CS	EMPTY DRUMS, CRUSHED	12/9/2009	19060	8646	690	SOLID	C-746-A	C-746-B	TM	
109605	109605-09	CS	EMPTY DRUMS, CRUSHED	11/25/2009	18100	8210	690	SOLID	C-746-A	C-746-B	TM	109605-09
112662	112662-01	CS	5-GALLON DRUM OF SAMPLE RETURNS (TSCA/LLW)	5/1/2009	20	9	0.67	SOLID	C-752-A	PGDP	TM	
112665	112665-01	CS	5 GALLON DRUM OF DMSA SAMPLE RETURNS. (RCRA/TSCA) D007/D008/F002	5/15/2009	22	10	0.67	SOLID	C-752-A	PGDP	RTM	
117162	117162-01	CS	SEALAND CONTAINING MISC PCB DEDICATED DEBRIS. (TOOL, EMPTY POLY OVERPACKS, PALLETS, ETC)	11/30/2009	8840	4010	588	SOLID	C-752-A	PGDP	TM	
117250	117250-01	CS	5 GAL CONTAINER OF PCB SOLIDS COLLECTION CONTAINER	9/23/2009	5	2	0.67	SOLID	C-752-A	PGDP	TM	
117256	117256-01	CS	SMARTBOX OF PCB SOLIDS (EQUIPMENT AND PLASTIC)	9/30/2009	15880	7203	1173	SOLID	C-746-A	PGDP	TM	
117259	117259-01	CS	5 GAL COLLECTION CONTAINER OF RESPIRATOR CARTRIDGES CONTAMINATED WITH PCB'S FROM PCB-CONT EQUIP IN C-746-A.	10/1/2009	5	2	0.67	SOLID	C-752-A	PGDP	RTM	

Table B.4. PCB Waste Generated in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	GROSS WT (LBS)	GROSS WT (KG)	NET VOLUME (ft^3)	PHYSICAL	FACILITY	SOURCE	WASTE CATEGORY	DESTINATION WID
117260	117260-01	CS	55 GAL COLLECTION CONTAINER FOR SEALED LEAD ACID BATTERIES CONTAMINATED WITH PCB'S. CONTRACT CLOSURE	10/1/2009	55	25	7.4	SOLID	C-752-A	PGDP	RTM	
117261	117261-01	CS	SMART BOX OF PCB SOLIDS	10/12/2009	15220	6904	1170	SOLID	C-746-A	PGDP	TM	
117264	117264-01	CS	SEALAND OF PCB SOLIDS (METAL, PLASTIC) GLDU 0374207 CONTRACT CLOSURE	10/22/2009	11220	5089	1170	SOLID	C-746-A	PGDP	TM	
118340	118340-01	CS	PLASTIC FROM STAGE MOTORS, REQUIRING DECON OF PCBS PRIOR TO USE. STAGE MOTORS FROM K25 REQUIRE DOUBLE WASH/RINSE AND VERIFICATION SAMPLES PRIOR TO USE. PLASTIC IS USED TO COVER MOTORS MINIMIZING PERSONNEL EXPOSURE TO EXTERIOR SURFACES.	4/29/2009	78	35	7.4	SOLID	C-752-A	C-337	TM	
118340	118340-02	CS	PLASTIC FROM STAGE MOTORS, REQUIRING DECON OF PCBS PRIOR TO USE. STAGE MOTORS FROM K25 REQUIRE DOUBLE WASH/RINSE AND VERIFICATION SAMPLES PRIOR TO USE. PLASTIC IS USED TO COVER MOTORS MINIMIZING PERSONNEL EXPOSURE TO EXTERIOR SURFACES.	4/29/2009	80	36	7.4	SOLID	C-752-A	C-337	TM	

Table B.4. PCB Waste Generated in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	GROSS WT (LBS)	GROSS WT (KG)	NET VOLUME (ft^3)	PHYSICAL	FACILITY	SOURCE	WASTE CATEGORY	DESTINATION WID
118340	118340-03	CS	PLASTIC FROM STAGE MOTORS, REQUIRING DECON OF PCBS PRIOR TO USE. STAGE MOTORS FROM K25 REQUIRE DOUBLE WASH/RINSE AND VERIFICATION SAMPLES PRIOR TO USE. PLASTIC IS USED TO COVER MOTORS MINIMIZING PERSONNEL EXPOSURE TO EXTERIOR SURFACES.	4/30/2009	83	38	7.4	SOLID	C-752-A	C-337	TM	
118340	118340-04	CS	PLASTIC FROM STAGE MOTORS, REQUIRING DECON OF PCBS PRIOR TO USE. STAGE MOTORS FROM K25 REQUIRE DOUBLE WASH/RINSE AND VERIFICATION SAMPLES PRIOR TO USE. PLASTIC IS USED TO COVER MOTORS MINIMIZING PERSONNEL EXPOSURE TO EXTERIOR SURFACES.	4/30/2009	84	38	7.4	SOLID	C-752-A	C-337	TM	
118340	118340-05	CS	PLASTIC FROM STAGE MOTORS, REQUIRING DECON OF PCBS PRIOR TO USE. STAGE MOTORS FROM K25 REQUIRE DOUBLE WASH/RINSE AND VERIFICATION SAMPLES PRIOR TO USE. PLASTIC IS USED TO COVER MOTORS MINIMIZING PERSONNEL EXPOSURE TO EXTERIOR SURFACES.	4/30/2009	85	39	7.4	SOLID	C-752-A	C-337	TM	
118341	118341-01	CS	PCB SOLIDS - ROUTINE SPILL CLEANUP AND ELECTRICAL MAINTENANCE ACTIVITIES	6/18/2009	107	49	7.4	SOLID	C-752-A	C-337	TM	

Table B.4. PCB Waste Generated in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	GROSS WT (LBS)	GROSS WT (KG)	NET VOLUME (ft^3)	PHYSICAL	FACILITY	SOURCE	WASTE CATEGORY	DESTINATION WID
118342	118342-01	CS	PCB SOLIDS - ASSOCIATED WITH PCB GASKET SPILL 1881 (SEE ATTACHED EMAIL) B25 CONTAINES 2 CLOTHING BINS AND PPE, CONTAMINATED WITH OIL FROM DUCTWORK	6/18/2009	1096	497	90	SOLID	C-746-Q	C-337	TM	
118347	118347-01	CS	PCB SOLIDS, GENERATED FROM ELETRICAL MAINTENANCE. (PPE, PADS) DTS 11-24-09	11/24/2009	51	23	4	SOLID	C-746-Q	C-337	TM	
118348	118348-01	CS	ASBESTOS TAPE FROM BUSS JOINT ON 1-7-A TRANSFORMER. TAPE IS SOAKED WITH PCB OIL FROM NON-GASKET SPILL #822. NO FREE LIQUIDS PRESENT.	7/8/2009	106	48	7.4	SOLID	C-752-A	C-337	TM	
118358	118358-01	CS	PCB CONTAMINATED METAL (STAINED LIGHT FIXTURES) DTS 06 09-09	6/9/2009	1289	585	7.4	SOLID	C-746-Q	C-333	TM	
118374	118374-01	CS	SOIL AND SEDIMENTS FROM TRENCH IN C-337-A (SWMU 71) DTS 04-21-09 (ANALYTICAL APPROVED)	4/21/2009	681	309	7.4	SOLID	C-753-A	C-337-A	TM	
118374	118374-02	CS	SOIL AND SEDIMENTS FROM TRENCH IN C-337-A (SWMU 71) DTS 04-21-09 (ANALYTICAL APPROVED)	4/21/2009	678	308	7.4	SOLID	C-753-A	C-337-A	TM	
118374	118374-03	CS	SOIL AND SEDIMENTS FROM TRENCH IN C-337-A (SWMU 71) DTS 04-21-09 (ANALYTICAL APPROVED)	4/21/2009	131	59	7.4	SOLID	C-753-A	C-337-A	TM	

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	GROSS WT (LBS)	GROSS WT (KG)	NET VOLUME (ft^3)	PHYSICAL	FACILITY	SOURCE	WASTE CATEGORY	DESTINATION WID
118374	118374-04	CS	SOIL AND SEDIMENTS FROM TRENCH IN C-337-A (SWMU 71) DTS 04-21-09 (ANALYTICAL APPROVED)	4/21/2009	512	232	7.4	SOLID	C-753-A	C-337-A	TM	
118374	118374-05	CS	SOIL AND SEDIMENTS FROM TRENCH IN C-337-A (SWMU 71) DTS 04-21-09 (ANALYTICAL APPROVED)	4/21/2009	467	212	4	SOLID	C-753-A	C-337-A	TM	
118374	118374-06	CS	SOIL AND SEDIMENTS FROM TRENCH IN C-337-A (SWMU 71) DTS 04-21-09 (ANALYTICAL APPROVED)	4/21/2009	455	206	4	SOLID	C-753-A	C-337-A	TM	
118374	118374-07	CS	SOIL AND SEDIMENTS FROM TRENCH IN C-337-A (SWMU 71) DTS 04-21-09 (ANALYTICAL APPROVED)	4/21/2009	677	307	7.4	SOLID	C-753-A	C-337-A	TM	
118501	118501-01	CS	SOIL AND SEDIMENT FROM TRENCH, IN C-337-A. *SAMPLE LEFTOVERS FROM USR-2760 AND USR2760R. ORIGINAL TRANSFERRED TO DOE SPACE UNDER RFD 118374.	4/21/2009	10	5	0.67	SOLID	C-752-A	C-337-A	TM	
118506	118506-01	CS	PCB-SOLIDS - GENERATED DURING CLEANOUT OF ELECTRICAL MAINTENANCE CAGE. CONSISTS OF TUBING, FITTINGS, RAGS, ABSORBENTS, PPE, ETC (NO FREE LIQUIDS) DTS 9-29-09	9/29/2009	142	64	7.4	SOLID	C-752-A	C-337	TM	

Table B.4. PCB Waste Generated in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	GROSS WT (LBS)	GROSS WT (KG)	NET VOLUME (ft^3)	PHYSICAL	FACILITY	SOURCE	WASTE CATEGORY	DESTINATION WID
118506	118506-02	CS	PCB-SOLIDS - GENERATED DURING CLEANOUT OF ELECTRICAL MAINTENANCE CAGE. CONSISTS OF TUBING, FITTINGS, RAGS, ABSORBENTS, PPE, ETC (NO FREE LIQUIDS) DTS 9-29-09	9/29/2009	120	54	7.4	SOLID	C-752-A	C-337	TM	
118507	118507-01	CS	USEC LAB RESIDUALS from 104985	9/11/09	6	3	0.67	SOLID	C-752-A	C-710	RTM	
118520	118520-01	CS	EMPTY 55-GALLON UNIAI DRUMS, USED DURING MAINTENANCE OF PCB TRANSFORMERS AS STORAGE CONTAINERS OF OIL (~500,000 PPM PCB). DTA 11-25-09	11/25/2009	1232	559	162.8	SOLID	C-746-A	C-337	TM	109605-09
120289	120289-04	CS	SOIL SAMPLE RESIDUALS, SOIL, PLASTIC, GLASS FROM SOIL PILES. LOCATED AT C-760 {-01, -02, -03} LOCATED AT C-755 {-04, -05, -06}	5/27/2009	274	124	7.4	SOLID	C-752-A	C-755	TM	
120289	120289-05	CS	SOIL SAMPLE RESIDUALS, SOIL, PLASTIC, GLASS FROM SOIL PILES. LOCATED AT C-760 {-01, -02, -03} LOCATED AT C-755 {-04, -05, -06}	6/18/2009	216	98	7.4	SOLID	C-752-A	C-755	TM	
120289	120289-06	CS	SOIL SAMPLE RESIDUALS, SOIL, PLASTIC, GLASS FROM SOIL PILES. LOCATED AT C-760 {-01, -02, -03} LOCATED AT C-755 {-04, -05, -06}	9/23/2009	394	179	7.4	SOLID	C-752-A	C-755	TM	
120380	120380-01	CS	SOIL FROM SWOU OUTFALL -010 (PCB CONTAMINATED SOIL)	11/30/2009	43060	19532	690	SOLID	C-759	OUTFALL 10	TM	

Table B.4. PCB Waste Generated in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	GROSS WT (LBS)	GROSS WT (KG)	NET VOLUME (ft^3)	PHYSICAL	FACILITY	SOURCE	WASTE CATEGORY	DESTINATION WID
120380	120380-02	CS	SOIL FROM SWOU OUTFALL -010 (PCB CONTAMINATED SOIL)	11/30/2009	43220	19605	690	SOLID	C-759	OUTFALL 10	TM	
120380	120380-03	CS	SOIL FROM SWOU OUTFALL -010 (PCB CONTAMINATED SOIL)	12/1/2009	34420	15613	690	SOLID	C-753-A	OUTFALL 10	TM	
120380	120380-04	CS	SOIL FROM SWOU OUTFALL -010 (PCB CONTAMINATED SOIL)	12/3/2009	41880	18997	690	SOLID	C-759	OUTFALL 10	TM	
120380	120380-05	CS	SOIL FROM SWOU OUTFALL -010 (PCB CONTAMINATED SOIL)	12/7/2009	42400	19233	690	SOLID	C-759	OUTFALL 10	TM	
NA	W08312	CS	PCB ELECTRICAL CABLE (Collyer 250 MCR-RR) from DMSA C-337-29	3/31/2009	2800	1270	110	SOLID	G-337-37-01	C-337-29	TM	
NA	W08315	CS	PCB ELECTRICAL CABLE (Collyer 250 MCR-RR) from DMSA C-337-29	4/13/2009	2800	1270	110	SOLID	C-337-29	C-337-29	TM	
NA	W08316	CS	PCB ELECTRICAL CABLE (Collyer 250 MCR-RR) from DMSA C-337-29	4/17/2009	2800	1270	110	SOLID	C-337-29	C-337-29	TM	
95					**449687**	**203978**	**15459.18**			**TOTAL**		

Table B.4. PCB Waste Generated in 2009 (Continued)

SUMMARY OF PCB WASTE GENERATED IN 2009

TOTAL NUMBER OF ITEMS ADDED TO INVENTORY	PCB ITEM	PCB ITEM DESCRIPTION	GROSS WEIGHT (LBS)	GROSS WEIGHT (KG)	NET VOLUME (ft^3)
0	A	Articles	0	0	0
15	AC	Article Containers	14816	6721	599.15
0	B	Bulk Liquid (tankers)	0	0	0
18	CL	Containers of Liquids	5849	2653	119.74
62	CS	Containers of Solids	429022	194604	14740.29
95	**TOTAL**		**449687**	**203978**	**15459.18**

Table B.5. PCB Waste Received from Other Facilities

No PCB waste was received from other facilities during CY 2009.

Table B.6. PCB Waste Shipped for Disposal in 2009

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
108231	108231-01	AC	CONTAINERIZED TRANSFORMERS	8/28/1989	SOLID	8120	3683	540	001754723	05/01/2009	ENERGYSOL		PGDP	TM
108245	108245-01	AC	CAPACITOR/BALLAST & OAC TRANSFORMER	6/21/2006	SOLID	24873	11282	540	001754773	09/05/2009	ENERGYSOL		PGDP	TM
117164	117164-01	AC	SEALAND - CONTAINING TRANSFORMERS FROM C-410 (RFD 118422-01) AND MISC CONTRACT CLOSURE DEBRIS	12/11/2009	SOLID	12420	5634	540	001754913	12/18/2009	ENERGYSOL		C-410	TM
6749	CAS-09602	AC	FILTERS/RAGS/TRASH	11/3/1989	SOLID	163	74	11.4	001754756	08/07/2009	ENERGYSOL		C-335	TM
6749	CAS-09725	AC	FILTERS/RAGS/TRASH	11/3/1989	SOLID	76	34	7.4	001754874	11/20/2009	ENERGYSOL		C-335	TM
8473	CAS-09826	AC	OILY RAGS/FILTERS/HOSES	1/31/1990	SOLID	303	137	11.4	001754756	08/07/2009	ENERGYSOL		C-540	TM
106794	106794-02	CL	PCB DETECTABLE RAINWATER AND DECANT WATER FROM CARBON FILTERS THAT TREATED PCB REGULATED WATER. RAINWATER IS FROM RFD 38157 - WID CAL-1310A.	12/6/1991	LIQUID	380	172	7.4	001754777	09/25/2009	ENERGYSOL		C-752-A	TM
106794	106794-03	CL	PCB DETECTABLE RAINWATER AND DECANT WATER FROM CARBON FILTERS THAT TREATED PCB REGULATED WATER. RAINWATER IS FROM RFD 38157 - WID CAL-1310A.	12/6/1991	LIQUID	384	174	7.4	001754777	09/25/2009	ENERGYSOL		C-752-A	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
106794	106794-04	CL	PCB DETECTABLE RAINWATER AND DECANT WATER FROM CARBON FILTERS THAT TREATED PCB REGULATED WATER. RAINWATER IS FROM RFD 38157 - WID CAL-1310A.	12/6/1991	LIQUID	392	178	7.4	001754777	09/25/2009	ENERGYSOL		C-752-A	TM
106794	106794-05	CL	PCB DETECTABLE RAINWATER AND DECANT WATER FROM CARBON FILTERS THAT TREATED PCB REGULATED WATER. RAINWATER IS FROM RFD 38157 - WID CAL-1310A.	12/6/1991	LIQUID	222	101	7.4	001754777	09/25/2009	ENERGYSOL		C-752-A	TM
107427	107427-01	CL	LAB PACK OF AQUEOUS SAMPLE RETURNS FROM TSCAL 05-01 AND TSCAL 05-02.	4/3/2008	LIQUID	91	41	7.4	001754760	08/26/2009	DSSI	10/26/2009	PGDP	RTM
108895	108895-01	CL	VENTILATION DUCT LIQUID	1/24/2008	LIQUID	470	213	7.4	001754709	03/31/2009	DSSI	6/19/2009	PGDP	RTM
108895	108895-02	CL	VENTILATION DUCT LIQUID	3/5/2008	LIQUID	458	208	7.4	001754709	03/31/2009	DSSI	6/19/2009	PGDP	RTM
108895	108895-03	CL	VENTILATION DUCT LIQUID	4/1/2008	LIQUID	468	212	7.4	001754709	03/31/2009	DSSI	6/19/2009	PGDP	RTM
108895	108895-04	CL	VENTILATION DUCT LIQUID	4/23/2008	LIQUID	468	212	7.4	001754709	03/31/2009	DSSI	6/19/2009	PGDP	RTM
108895	108895-05	CL	VENTILATION DUCT LIQUID	4/23/2008	LIQUID	478	217	7.4	001754709	03/31/2009	DSSI	6/19/2009	PGDP	RTM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
108895	108895-06	CL	VENTILATION DUCT LIQUID	5/29/2008	LIQUID	466	211	7.4	001754709	03/31/2009	DSSI	6/19/2009	PGDP	RTM
108895	108895-07	CL	VENTILATION DUCT LIQUID	6/25/2008	LIQUID	473	215	7.4	001754709	03/31/2009	DSSI	6/19/2009	PGDP	RTM
108898	108898-01	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	8/13/2008	LIQUID	472	214	7.4	001754709	03/31/2009	DSSI	6/19/2009	PGDP	RTM
108898	108898-02	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	9/29/2008	LIQUID	456	207	7.4	001754709	03/31/2009	DSSI	6/19/2009	PGDP	RTM
108898	108898-03	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	11/3/2008	LIQUID	426	193	7.4	001754709	03/31/2009	DSSI	6/19/2009	PGDP	RTM
108898	108898-04	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	12/15/2008	LIQUID	465	211	7.4	001754709	03/31/2009	DSSI	6/19/2009	PGDP	RTM
108898	108898-05	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	2/2/2009	LIQUID	463	210	7.4	001754709	03/31/2009	DSSI	6/19/2009	PGDP	RTM
108898	108898-06	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	2/3/2009	LIQUID	450	204	7.4	001754709	03/31/2009	DSSI	6/19/2009	PGDP	RTM
108898	108898-07	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	2/4/2009	LIQUID	422	191	7.4	001754709	03/31/2009	DSSI	6/19/2009	PGDP	RTM
108900	108900-01	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS.	12/8/2008	LIQUID	461	209	7.4	001754709	03/31/2009	DSSI	6/19/2009	PGDP	RTM
108900	108900-02	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS.	3/25/2009	LIQUID	446	202	7.4	001754760	08/26/2009	DSSI	10/26/2009	PGDP	RTM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
108900	108900-03	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS.	2/10/2009	LIQUID	362	164	7.4	001754709	03/31/2009	DSSI	6/19/2009	PGDP	RTM
108900	108900-04	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS.	3/25/2009	LIQUID	349	158	7.4	001754760	08/26/2009	DSSI	10/26/2009	PGDP	RTM
109172	109172-01	CL	LAB PACK OF OIL SAMPLE RETURNS FROM TSCAL 05-01 AND TSCAL 05-02.	4/3/2008	LIQUID	77	35	7.4	001754760	08/26/2009	DSSI	10/26/2009	PGDP	RTM
118352	118352-01	CL	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.	8/1/2008	LIQUID	96	44	7.4	001754760	08/26/2009	DSSI	10/26/2009	C-537	TM
118352	118352-02	CL	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.	8/1/2008	LIQUID	483	219	11.4	001754760	08/26/2009	DSSI	10/26/2009	C-537	TM
118352	118352-03	CL	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.	8/1/2008	LIQUID	406	184	7.4	001754760	08/26/2009	DSSI	10/26/2009	C-537	TM

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
118352	118352-04	CL	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.	8/1/2008	LIQUID	398	181	7.4	001754760	08/26/2009	DSSI	10/26/2009	C-537	TM
118352	118352-05	CL	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.	8/1/2008	LIQUID	402	182	7.4	001754760	08/26/2009	DSSI	10/26/2009	C-537	TM
118352	118352-06	CL	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.	8/1/2008	LIQUID	487	221	11.4	001754760	08/26/2009	DSSI	10/26/2009	C-537	TM
123116	123116-01	CL	LIQUID LAB WASTE. RESIDUAL OIL WITH NON-HALOGENATED SOLVENT CONTAMINATION (TOLUENE, ACETONE) AS WELL AS ISOPROPYL ALCOHOL.	4/18/2008	LIQUID	38	17	0.67	001754760	08/26/2009	DSSI	10/26/2009	C-710	RTM
123123	123123-01	CL	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	6/25/2008	LIQUID	414	188	7.4	001754760	08/26/2009	DSSI	10/26/2009	C-537	TM

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
123123	123123-02	CL	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	6/25/2008	LIQUID	410	186	7.4	001754760	08/26/2009	DSSI	10/26/2009	C-537	TM
123123	123123-03	CL	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	6/25/2008	LIQUID	404	183	7.4	001754760	08/26/2009	DSSI	10/26/2009	C-537	TM
123123	123123-04	CL	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	6/25/2008	LIQUID	410	186	7.4	001754760	08/26/2009	DSSI	10/26/2009	C-537	TM
123123	123123-05	CL	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	6/18/2008	LIQUID	374	170	7.4	001754760	08/26/2009	DSSI	10/26/2009	C-537	TM
123123	123123-06	CL	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	6/18/2008	LIQUID	370	168	7.4	001754760	08/26/2009	DSSI	10/26/2009	C-537	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
123123	123123-07	CL	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	6/18/2008	LIQUID	453	205	11.4	001754760	08/26/2009	DSSI	10/26/2009	C-537	TM
123123	123123-08	CL	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	6/18/2008	LIQUID	378	171	7.4	001754760	08/26/2009	DSSI	10/26/2009	C-537	TM
123123	123123-09	CL	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	6/18/2008	LIQUID	386	175	7.4	001754760	08/26/2009	DSSI	10/26/2009	C-537	TM
123123	123123-10	CL	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	6/18/2008	LIQUID	318	144	7.4	001754760	08/26/2009	DSSI	10/26/2009	C-537	TM
123123	123123-11	CL	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	6/25/2008	LIQUID	422	191	7.4	001754760	08/26/2009	DSSI	10/26/2009	C-537	TM
55644	55644-01	CL	SLUDGE VACUMMED FROM PCB TANKS	4/16/1997	SLUDGE	325	147	7.4	001754908	12/26/2009	ENERGYSOL		C-752-A	TM
22149	CALX-1177A	CL	SLUDGE OF WASTE WATER	9/9/1992	SLUDGE	137	62	11.4	001754912	12/26/2009	ENERGYSOL		C-746-A	RTM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
5542	05542-02	CS	TRASH	12/13/2000	SOLID	89	40	7.4	001754721	04/24/2009	ENERGYSOL		C-337-A	TM
9424	09424-02	CS	FLOOR SWEEP	5/8/1998	SOLID	248	112	7.4	001754772	09/11/2009	ENERGYSOL		C-400	TM
101022	101022-01	CS	FILTERS/ABSORBENTS/PPE	11/3/1998	SOLID	222	101	11.4	001754751	07/24/2009	ENERGYSOL	8/19/2009	C-752-A	TM
101590	101590-01	CS	CONCRETE IN B-25 BOX, GENERATED FROM ALL SWITCHYARDS DURING GATE CONSTRUCTION AND CONCRETE PICKUP FROM ALL AREAS OF SWITCHYARDS. PCB CONTENT GREATER THAN 50 PPM, BUT LESS THAN 500 PPM	5/1/1997	SOLID	7880	3574	96	001754752	08/14/2009	ENERGYSOL		SWITCH YARD	TM
101929	101929-02	CS	PPE/PLASTIC/PAPER DEBRIS	9/15/1999	SOLID	102	46	7.4	001754721	04/24/2009	ENERGYSOL		C-752-A	TM
101929	101929-03	CS	PPE/PLASTIC/PAPER DEBRIS	9/3/1999	SOLID	91	41	7.4	001754721	04/24/2009	ENERGYSOL		C-752-A	TM
102080	102080-01	CS	CONCRETE FROM PCB SPILL CLEANUP (#643).	6/8/2000	SOLID	353	160	7.4	001754747	07/17/2009	ENERGYSOL		C-400	TM
102080	102080-02	CS	CONCRETE FROM PCB SPILL CLEANUP (#643).	6/8/2000	SOLID	273	124	4	001754747	07/17/2009	ENERGYSOL		C-400	TM
102080	102080-03	CS	CONCRETE FROM PCB SPILL CLEANUP (#643).	6/8/2000	SOLID	207	94	4	001754747	07/17/2009	ENERGYSOL		C-400	TM
102080	102080-04	CS	CONCRETE FROM PCB SPILL CLEANUP (#643).	6/8/2000	SOLID	225	102	4	001754747	07/17/2009	ENERGYSOL		C-400	TM
102080	102080-05	CS	CONCRETE FROM PCB SPILL CLEANUP (#643).	6/8/2000	SOLID	402	182	7.4	001754747	07/17/2009	ENERGYSOL		C-400	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
102470	102470-01	CS	PPE FROM PCB SPILL CLEANUP ASSOCIATED WITH #643.	6/8/2000	SOLID	83	38	4	001754721	04/24/2009	ENERGYSOL		C-400	TM
103277	103277-01	CS	HP WIPES, RAGS, GLOVES, APRONS FROM PCB CAPACITOR PROJECT.	11/15/1999	SOLID	117	53	7.4	001754721	04/24/2009	ENERGYSOL		C-752-A	TM
103278	103278-01	CS	RAGS, GLOVES, APRONS FROM THE PCB CAPACITOR PROJECT.	12/11/1999	SOLID	130	59	7.4	001754721	04/24/2009	ENERGYSOL		C-752-A	TM
103281	103281-01	CS	HP WIPES, PPE, CLEANUP RAGS FROM PCB CAPACITOR PROJECT. RAGS WILL HAVE RESIDUAL CITRISTRIP SOLVENT.	2/4/2000	SOLID	112	51	7.4	001754721	04/24/2009	ENERGYSOL		C-752-A	TM
103379	103379-01	CS	PPE, OIL ABSORBENT PADS, RAGS, PLASTIC (FROM MAINTENANCE ON VENT DUCTS).	2/20/2001	SOLID	88	40	7.4	001754693	02/13/2009	ENERGYSOL	2/25/2009	C-337	TM
103387	103387-01	CS	PPE, RAGS, PADS, MOP HEAD, OIL SOAKED ABSORBENT AND PLASTI FROM TRANSFORMER LEAK SPILL CLEANUP	5/23/2001	SOLID	130	59	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
103952	103952-01	CS	>50PPM PCB SOLID WASTE; OILY RAGS, PIGS, PADS, BUCKETS, ETC.	8/30/2000	SOLID	70	32	7.4	001754743	07/14/2009	ENERGYSOL	8/19/2009	C-533	TM
103962	103962-01	CS	RAGS, PIGS, PADS, PPE	1/25/2001	SOLID	83	38	7.4	001754693	02/13/2009	ENERGYSOL		C-315	TM
104876	104876-01	CS	1 BAG OF PCB TRASH; PAPER, PLASTIC, PPE FROM WR-116.	6/7/2001	SOLID	77	35	7.4	001754721	04/24/2009	ENERGYSOL		C-753-A	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
104931	104931-02	CS	PCB CONTAMINATED DEBRIS: PPE, CUT UP WOOD FROM PALLETS AND PLYWOOD RAGS CONTAMINATED WITH SOY GOLD AND 409. PCB-704, SPILL CLEAN UP OF LEAKING DRUM RFD 13065 (CAS-1236).	3/27/2002	SOLID	154	70	7.4	001754704	03/31/2009	ENERGYSOL	4/28/2009	C-337	RTM
104985	104985-01	CS	COMBUSTIBLE SOLID LAB WASTE; PREDOMINATELY HEXANES AND ACETONE CONTAMINATED.	8/15/2006	SOLID	10	5	0.67	001754706	03/31/2009	ENERGYSOL	4/28/2009	C-710	RTM
105042	105042-01	CS	BCS TRASH	9/6/2002	SOLID	108	49	7.4	001754721	04/24/2009	ENERGYSOL		C-746-A	TM
106211	106211-01	CS	PCB SOLIDS: PPE, RAGS, PLASTIC, SCRUBPADS.	12/18/2002	SOLID	110	50	7.4	001754721	04/24/2009	ENERGYSOL		C-746-Q	TM
106326	106326-01	CS	OILY PADS, PPE, RAGS, GLOVES	12/4/2002	SOLID	132	60	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
106338	106338-01	CS	PCB SOLIDS FROM NON-GASKET SPILLS. PPE, RAGS, PADS	9/20/2004	SOLID	109	49	7.4	001754721	04/24/2009	ENERGYSOL		C-337	TM
106588	106588-01	CS	OVERPACKED CONTAINERS FROM TSCA SOFT SOLIDS PROJECT. DRUM CONTAINS THREE 5 GALLON CONTAINERS FROM PROFILE #1 (RFD 101595-01, 02, 03	3/25/1999	SOLID	81	37	7.4	001754908	12/26/2009	ENERGYSOL		C-752-A	TM
107504	107504-01	CS	BCS WASTE/SAMPLING DEBRIS. PPE, PAPER, AND PLASTIC	4/25/2003	SOLID	71	32	7.4	001754721	04/24/2009	ENERGYSOL		C-746-Q	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
107526	107526-01	CS	PCB SOLIDS: PPE, PLASTIC, RAGS, SCRUB PADS, RUBBER	5/6/2003	SOLID	109	49	7.4	001754721	04/24/2009	ENERGYSOL		C-746-Q	TM
107528	107528-01	CS	PCB CLEANUP DEBRIS. PPE, PLASTIC, RAGS, SCRUB PADS	6/10/2003	SOLID	98	44	7.4	001754721	04/24/2009	ENERGYSOL		C-746-Q	TM
107529	107529-01	CS	PCB SPILL CLEANUP DEBRIS, PPE, RAGS, PLASTIC, SCRUB PADS, PADS	7/24/2003	SOLID	85	39	7.4	001754721	04/24/2009	ENERGYSOL		C-746-Q	TM
107727	107727-01	CS	BCS WASTE (PAPER, PLASTIC, PPE, PIGS, PADS...) FROM AGREED ORDER SAMPLING.	6/3/2004	SOLID	105	48	7.4	001754704	03/31/2009	ENERGYSOL	4/28/2009	C-752-A	RTM
107730	107730-01	CS	BCS WASTE (PAPER, PLASTIC, PPE) FROM AO SAMPLING ACTIVITIES	8/17/2004	SOLID	105	48	7.4	001754721	04/24/2009	ENERGYSOL		C-753-A	TM
108170	108170-01	CS	PPE/PAPER/PLASTIC/HOSES/SMALL AMOUNT OF METAL FROM FACILITY CLEANUP.	2/11/2009	SOLID	1022	464	90	001754904	12/11/2009	ENERGYSOL		C-752-A	TM
108183	108183-01	CS	SPILL CLEANUP DEBRIS (WOOD/PAPER/PLASTIC) FROM CAS-14860	5/10/1991	SOLID	76	34	7.4	001754788	09/25/2009	ENERGYSOL		C-752-A	TM
108232	108232-01	CS	TREATED UF6 AND HIGH RAD SOLIDS ABSORBENTS (PADS, PILLOWS, PANS) PLASTIC, PAPER.	7/6/2006	SOLID	14853	6737	540	001754734	06/02/2009	ENERGYSOL		C-753-A	TM
108232	108232-02	CS	TREATED UF6 AND HIGH RAD SOLIDS ABSORBENTS (PADS, PILLOWS, PANS) PLASTIC, PAPER.	7/6/2006	SOLID	13895	6303	540	001754734	06/02/2009	ENERGYSOL		C-753-A	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
108232	108232-03	CS	TREATED UF6 AND HIGH RAD SOLIDS ABSORBENTS (PADS, PILLOWS, PANS) PLASTIC, PAPER.	7/6/2006	SOLID	14491	6573	540	001754737	06/02/2009	ENERGYSOL		C-753-A	TM
108232	108232-04	CS	TREATED UF6 AND HIGH RAD SOLIDS ABSORBENTS (PADS, PILLOWS, PANS) PLASTIC, PAPER.	7/6/2006	SOLID	14739	6686	540	001754737	06/02/2009	ENERGYSOL		C-753-A	TM
108248	108248-01	CS	SEALAND OF SAMPLE RETURNS & SAMPLING DEBRIS	1/18/1988	SOLID	13838	6277	540	001754783	09/18/2009	ENERGYSOL		C-752-A	TM
108514	108514-01	CS	PCB SOLIDS - PPE, PADS, FILTERS, PLASTIC	3/27/2006	SOLID	248	112	11.4	001754721	04/24/2009	ENERGYSOL		C-337	TM
108561	108561-01	CS	PCB SOLIDS FROM PCB-748 DECON. DTS 5/8/08 (PPE, MOPHEADS, PAD, LINERS)	5/8/2008	SOLID	70	32	7.4	001754788	09/25/2009	ENERGYSOL		C-337	TM
108580	108580-01	CS	PPE FROM PCB SPILL CLEANUP, SPILL 643.	12/2/1999	SOLID	42	19	4	001754721	04/24/2009	ENERGYSOL		C-400	TM
108899	108899-01	CS	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	12/4/2008	SOLID	101	46	7.4	001754788	09/25/2009	ENERGYSOL		PGDP	TM
108899	108899-02	CS	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	3/4/2009	SOLID	97	44	7.4	001754788	09/25/2009	ENERGYSOL		PGDP	TM
108899	108899-03	CS	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	4/24/2009	SOLID	128	58	7.4	001754788	09/25/2009	ENERGYSOL		PGDP	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
108899	108899-04	CS	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	5/21/2009	SOLID	135	61	7.4	001754788	09/25/2009	ENERGYSOL		PGDP	TM
108899	108899-05	CS	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	6/30/2009	SOLID	111	50	7.4	001754788	09/25/2009	ENERGYSOL		PGDP	TM
108951	108951-01	CS	EXCESS PCB EQUIPMENT (PUMPS, HOSES, FILTERS, ETC...). NO FREE LIQUIDS - ABSORBENT PADS PRESENT IN CONTAINERS. EQUIPMENT USED BY ELECTRICAL MAINTENANCE ON PCB SYSTEMS.	5/29/2007	SOLID	1700	771	90	001754697	03/06/2009	ENERGYSOL		C-337	TM
108951	108951-02	CS	EXCESS PCB EQUIPMENT (PUMPS, HOSES, FILTERS, ETC...). NO FREE LIQUIDS - ABSORBENT PADS PRESENT IN CONTAINERS. EQUIPMENT USED BY ELECTRICAL MAINTENANCE ON PCB SYSTEMS.	5/29/2007	SOLID	2454	1113	96	001754703	03/27/2009	ENERGYSOL		C-337	TM
108951	108951-03	CS	EXCESS PCB EQUIPMENT (PUMPS, HOSES, FILTERS, ETC...). NO FREE LIQUIDS - ABSORBENT PADS PRESENT IN CONTAINERS. EQUIPMENT USED BY ELECTRICAL MAINTENANCE ON PCB SYSTEMS.	5/29/2007	SOLID	1428	648	90	001754697	03/06/2009	ENERGYSOL		C-337	TM
108954	108954-01	CS	OIL FILTERS FROM HILCO FILTER PUMPS (RFD 108951). NO FREE LIQUIDS. METAL FRAMED FILTERS.	7/25/2006	SOLID	489	222	11.4	001754753	08/07/2009	ENERGYSOL	8/19/2009	C-337	RTM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
108973	108973-01	CS	PCB SOLIDS FROM MAINTENANCE AND SPILL CLEANUP (PPE, RAGS, MORTER, CONCRETE PIECES, PADS, MOPHEADS).	2/19/2007	SOLID	141	64	7.4	001754721	04/24/2009	ENERGYSOL		C-337	TM
108990	108990-01	CS	PCB SOLIDS FROM WORK ON C-337 2-1-A, 2-1-B (REPAIR OF TRANSFORMERS ASSOCIATED WITH NON-GASKET SPILLS 798 AND 801, RESPECTIVELY). (PADS, RAGS, PIGS, ETC)	1/3/2008	SOLID	106	48	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
108990	108990-02	CS	PCB SOLIDS FROM WORK ON C-337 2-1-A, 2-1-B (REPAIR OF TRANSFORMERS ASSOCIATED WITH NON-GASKET SPILLS 798 AND 801, RESPECTIVELY). (PADS, RAGS, PIGS, ETC)	1/3/2008	SOLID	96	44	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
108990	108990-03	CS	PCB SOLIDS FROM WORK ON C-337 2-1-A, 2-1-B (REPAIR OF TRANSFORMERS ASSOCIATED WITH NON-GASKET SPILLS 798 AND 801, RESPECTIVELY). (PADS, RAGS, PIGS, ETC)	1/3/2008	SOLID	85	39	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
108990	108990-04	CS	PCB SOLIDS FROM WORK ON C-337 2-1-A, 2-1-B (REPAIR OF TRANSFORMERS ASSOCIATED WITH NON-GASKET SPILLS 798 AND 801, RESPECTIVELY). (PADS, RAGS, PIGS, ETC)	1/18/2008	SOLID	128	58	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
108990	108990-05	CS	PCB SOLIDS FROM WORK ON C-337 2-1-A, 2-1-B (REPAIR OF TRANSFORMERS ASSOCIATED WITH NON-GASKET SPILLS 798 AND 801, RESPECTIVELY). (PADS, RAGS, PIGS, ETC)	1/18/2008	SOLID	128	58	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
10905	10905-02	CS	MISCELLANEOUS TRASH	12/13/2000	SOLID	99	45	7.4	001754721	04/24/2009	ENERGYSOL		C-340	TM
10905	10905-03	CS	MISCELLANEOUS TRASH	12/13/2000	SOLID	93	42	7.4	001754721	04/24/2009	ENERGYSOL		C-340	TM
10905	10905-07	CS	MISCELLANEOUS TRASH	12/13/2000	SOLID	98	44	7.4	001754721	04/24/2009	ENERGYSOL		C-340	TM
109157	109157-01	CS	BCS SAMPLING DEBRIS - PPE, PLASTIC, PADS, GLASS	6/12/2008	SOLID	127	58	7.4	001754704	03/31/2009	ENERGYSOL	4/28/2009	C-752-A	RTM
109162	109162-01	CS	PPE/SAMPLING DEBRIS FROM TSCAL07-01 PROJECT	2/27/2008	SOLID	90	41	7.4	001754704	03/31/2009	ENERGYSOL	4/28/2009	C-752-A	RTM
109163	109163-01	CS	PPE/SAMPLING DEBRIS FROM TSCAL07-01 PROJECT	2/27/2008	SOLID	115	52	7.4	001754704	03/31/2009	ENERGYSOL	4/28/2009	C-752-A	RTM
109612	109612-01	CS	ROLL-UP RFD FOR WIDS 120251-14, 120252-06 AND 120253-04 AS A RESULT OF A CHANGE IN CHARACTERIZATION AS DESCRIBED IN WASTE CHARACTERIZATION DOCUMENT NUMBER PRS-WSD-0338V4.	7/12/2007	SOLID	119	54	7.4	001754787	09/25/2009	ENERGYSOL		C-753-A	RTM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
109612	109612-02	CS	ROLL-UP RFD FOR WIDS 120251-14, 120252-06 AND 120253-04 AS A RESULT OF A CHANGE IN CHARACTERIZATION AS DESCRIBED IN WASTE CHARACTERIZATION DOCUMENT NUMBER PRS-WSD-0338V4.	6/27/2007	SOLID	150	68	7.4	001754787	09/25/2009	ENERGYSOL		C-753-A	RTM
109612	109612-03	CS	ROLL-UP RFD FOR WIDS 120251-14, 120252-06 AND 120253-04 AS A RESULT OF A CHANGE IN CHARACTERIZATION AS DESCRIBED IN WASTE CHARACTERIZATION DOCUMENT NUMBER PRS-WSD-0338V4.	5/23/2007	SOLID	260	118	7.4	001754787	09/25/2009	ENERGYSOL		C-753-A	RTM
109613	109613-01	CS	ROLLUP RFD FOR SEALAND SHIPMENTS OF DRUMS FROM ATTACHED LIST (MISC TRASH, SAMPLE RESIDUALS).	4/5/2007	SOLID	16489	7479	540	001754782	09/18/2009	ENERGYSOL		C-752-A	RMD
109626	109626-01	CS	08TRASH-TM-01 CONTAINERS FOR SHIPMENT TO CLIVE (TSCA).	7/29/1983	SOLID	10610	4813	540	001754713	03/31/2009	ENERGYSOL		C-753-A	TM
109626	109626-02	CS	08TRASH-TM-01 CONTAINERS FOR SHIPMENT TO CLIVE (TSCA).	2/25/1985	SOLID	8616	3908	540	001754718	04/24/2009	ENERGYSOL		C-753-A	TM
109626	109626-03	CS	08TRASH-TM-01 CONTAINERS FOR SHIPMENT TO CLIVE (TSCA).	12/23/1988	SOLID	7819	3547	540	001754716	04/17/2009	ENERGYSOL		C-753-A	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
109626	109626-04	CS	08TRASH-TM-01 CONTAINERS FOR SHIPMENT TO CLIVE (TSCA).	2/11/1987	SOLID	8410	3815	540	001754719	04/24/2009	ENERGYSOL		C-753-A	TM
109626	109626-05	CS	08TRASH-TM-01 CONTAINERS FOR SHIPMENT TO CLIVE (TSCA).	12/13/1988	SOLID	7394	3354	540	001754720	04/24/2009	ENERGYSOL		C-753-A	TM
109627	109627-01	CS	08TRASH-TM-01 TSCA/ASBESTOS CONTAINERS.	2/11/1987	SOLID	10263	4655	540	001754715	04/17/2009	ENERGYSOL		C-753-A	TM
109627	109627-02	CS	08TRASH-TM-01 TSCA/ASBESTOS CONTAINERS.	7/2/1989	SOLID	9161	4155	540	001754717	04/17/2009	ENERGYSOL		C-753-A	TM
109631	109631-01	CS	INTERMODAL CONTAINING PCB TRASH (LAB) & EMPTY DRUMS	2/4/1991	SOLID	12820	5815	690	001754807	09/30/2009	ENERGYSOL		C-753-A	TM
109654	109654-01	CS	SEALAND OF DRUMS OF PCB CONTAMINATED WOOD FROM PROJECT 08WOOD-MISC	5/9/1988	SOLID	13638	6186	540	001754730	05/22/2009	ENERGYSOL	6/19/2009	C-753-A	TM
109659	109659-01	CS	1 ST-90 (IP-2) METAL BOX CONTAINING MISC. RCRA/PCB METAL MACRO DEBRIS	4/6/2000	SOLID	2712	1230	90	001754804	10/02/2009	ENERGYSOL	10/14/2009	C-746-A	RTM
112662	112662-01	CS	5-GALLON DRUM OF DMSA SAMPLE RETURNS (TSCA/LLW)	5/1/2009	SOLID	20	9	0.67	001754775	09/11/2009	ENERGYSOL		PGDP	TM
112665	112665-01	CS	5 GALLON DRUM OF DMSA SAMPLE RETURNS. (RCRA/TSCA) D007/D008/F002	5/15/2009	SOLID	22	10	0.67	001754776	09/11/2009	ENERGYSOL		PGDP	RTM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
113891	113891-01	CS	PPE/PLASTIC/PADS/RAGS GENERATED FROM SHIPMENT OF TSCAL05-02 (638-01R). RAGS FOUND FROM 109738-01 FOUND AFTER PUMPING.	10/10/2007	SOLID	162	73	7.4	001754704	03/31/2009	ENERGYSOL	4/28/2009	C-752-A	RTM
113891	113891-02	CS	PPE/PLASTIC/PADS/RAGS GENERATED FROM SHIPMENT OF TSCAL05-02 (638-01R). RAGS FOUND FROM 109738-01 FOUND AFTER PUMPING.	10/10/2007	SOLID	75	34	7.4	001754704	03/31/2009	ENERGYSOL	4/28/2009	C-752-A	RTM
113891	113891-03	CS	PPE/PLASTIC/PADS/RAGS GENERATED FROM SHIPMENT OF TSCAL05-02 (638-01R). RAGS FOUND FROM 109738-01 FOUND AFTER PUMPING.	10/10/2007	SOLID	85	39	7.4	001754704	03/31/2009	ENERGYSOL	4/28/2009	C-752-A	RTM
113891	113891-04	CS	PPE/PLASTIC/PADS/RAGS GENERATED FROM SHIPMENT OF TSCAL05-02 (638-01R). RAGS FOUND FROM 109738-01 FOUND AFTER PUMPING.	10/10/2007	SOLID	140	64	7.4	001754704	03/31/2009	ENERGYSOL	4/28/2009	C-752-A	RTM
115174	115174-01	CS	PCB SOLIDS: PPE, PLASTIC, RAGS, SCRUB PADS, PADS, PLASTIC VALVE.	2/4/2003	SOLID	96	44	7.4	001754721	04/24/2009	ENERGYSOL		C-746-Q	TM
115175	115175-01	CS	PCB SOLIDS: PPE, PLASTIC, RAGS, SCRUBPADS.	3/12/2003	SOLID	129	59	7.4	001754721	04/24/2009	ENERGYSOL		C-746-Q	TM
116959	116959-01	CS	PCB SOLIDS (PPE, ABSORBENT PADS, ETC...)	9/11/2007	SOLID	13	6	0.67	001754743	07/14/2009	ENERGYSOL	8/19/2009	PGDP	TM
117037	117037-01	CS	COLLECTION CONTAINER FOR PCB SOLIDS - B-25 BOX	10/15/2007	SOLID	936	425	90	001754762	08/28/2009	ENERGYSOL		PGDP	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
117162	117162-01	CS	SEALAND CONTAINING MISC PCB DEDICATED DEBRIS. (TOOL, EMPTY POLY OVERPACKS, PALLETS, ETC)	11/30/2009	SOLID	8840	4010	588	001754893	12/08/2009	ENERGYSOL		PGDP	TM
117256	117256-01	CS	SMARTBOX OF PCB SOLIDS (EQUIPMENT AND PLASTIC)	9/30/2009	SOLID	15880	7203	1173	001754821	10/20/2009	ENERGYSOL		PGDP	TM
117261	117261-01	CS	SMART BOX OF PCB SOLIDS	10/12/2009	SOLID	15220	6904	1170	001754831	10/27/2009	ENERGYSOL		PGDP	TM
117264	117264-01	CS	SEALAND OF PCB SOLIDS (METAL, PLASTIC) GLDU 0374207 CONTRACT CLOSURE	10/22/2009	SOLID	11220	5089	1170	001754832	10/27/2009	ENERGYSOL		PGDP	TM
117267	117267-01	CS	SMARTBOX OF PCB SOLIDS (METAL, PLASTIC, WOOD).	5/9/1988	SOLID	26060	11821	1173	001754865	11/10/2009	ENERGYSOL		PGDP	TM
118025	118025-01	CS	PCB SPILL CLEANUP (WOOD) RESULTING FROM CONTAINER 120035-01 WHICH CONSISTED OF PCB CONTAMINATED DECANT WATER FROM SEWER SLUDGE.	6/17/1983	SOLID	1247	566	90	001754732	05/26/2009	ENERGYSOL		C-752-A	TM
118353	118353-01	CS	SPILL CLEANUP DEBRIS FROM PCB 805	7/1/2008	SOLID	90	41	7.4	001754721	04/24/2009	ENERGYSOL		C-333	TM
118359	118359-01	CS	PCB/PF LAB SOLIDS (PPE/PLASTIC/PAPER/SPECIMEN CUPS/KIM WIPES/RAGS) USEC 49381W	8/26/1998	SOLID	11	5	0.67	001754908	12/26/2009	ENERGYSOL		C-710	TM
118374	118374-01	CS	SOIL AND SEDIMENTS FROM TRENCH IN C-337-A (SWMU 71) DTS 04-21-09 (ANALYTICAL APPROVED)	4/21/2009	SOLID	681	309	7.4	001754908	12/26/2009	ENERGYSOL		C-337-A	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
118374	118374-02	CS	SOIL AND SEDIMENTS FROM TRENCH IN C-337-A (SWMU 71) DTS 04-21-09 (ANALYTICAL APPROVED)	4/21/2009	SOLID	678	308	7.4	001754908	12/26/2009	ENERGYSOL		C-337-A	TM
118374	118374-03	CS	SOIL AND SEDIMENTS FROM TRENCH IN C-337-A (SWMU 71) DTS 04-21-09 (ANALYTICAL APPROVED)	4/21/2009	SOLID	131	59	7.4	001754908	12/26/2009	ENERGYSOL		C-337-A	TM
118374	118374-04	CS	SOIL AND SEDIMENTS FROM TRENCH IN C-337-A (SWMU 71) DTS 04-21-09 (ANALYTICAL APPROVED)	4/21/2009	SOLID	512	232	7.4	001754908	12/26/2009	ENERGYSOL		C-337-A	TM
118374	118374-05	CS	SOIL AND SEDIMENTS FROM TRENCH IN C-337-A (SWMU 71) DTS 04-21-09 (ANALYTICAL APPROVED)	4/21/2009	SOLID	467	212	4	001754908	12/26/2009	ENERGYSOL		C-337-A	TM
118374	118374-06	CS	SOIL AND SEDIMENTS FROM TRENCH IN C-337-A (SWMU 71) DTS 04-21-09 (ANALYTICAL APPROVED)	4/21/2009	SOLID	455	206	4	001754908	12/26/2009	ENERGYSOL		C-337-A	TM
118374	118374-07	CS	SOIL AND SEDIMENTS FROM TRENCH IN C-337-A (SWMU 71) DTS 04-21-09 (ANALYTICAL APPROVED)	4/21/2009	SOLID	677	307	7.4	001754908	12/26/2009	ENERGYSOL		C-337-A	TM
118379	118379-01	CS	FLOORSWEEP - LLW, PCB BULK PRODUCT	6/24/2008	SOLID	398	181	7.4	001754788	09/25/2009	ENERGYSOL		C-342	TM
120108	120108-06	CS	ABSORBENTS/FLOORSWEEP PROJECT CONTAINERS 08-ABS-FS-TM-01	2/22/1990	SOLID	14807	6716	540	001754684/62 02150105	01/23/2009	ENERGYSOL	2/25/2009	C-753-A	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
120108	120108-07	CS	ABSORBENTS/FLOORSWEEP PROJECT CONTAINERS 08-ABS-FS-TM-01	5/10/1988	SOLID	9123	4138	540	001754686	02/13/2009	ENERGYSOL	3/18/2009	C-753-A	TM
120108	120108-08	CS	ABSORBENTS/FLOORSWEEP PROJECT CONTAINERS 08-ABS-FS-TM-01	3/21/1989	SOLID	14269	6472	540	001754683/6202150104	01/23/2009	ENERGYSOL	2/25/2009	C-753-A	TM
120108	120108-09	CS	ABSORBENTS/FLOORSWEEP PROJECT CONTAINERS 08-ABS-FS-TM-01	4/27/1988	SOLID	15528	7044	540	001754685	02/13/2009	ENERGYSOL	3/18/2009	C-753-A	TM
120108	120108-10	CS	ABSORBENTS/FLOORSWEEP PROJECT CONTAINERS 08-ABS-FS-TM-01	6/7/1985	SOLID	9050	4105	540	001754728	05/08/2009	ENERGYSOL		C-753-A	TM
120127	120127-01	CS	MATERIAL FROM SPILL CLEANUP OF PCB CALIBRATOR 5 GAL DRUM (PLASTIC, PPE, ABSORBENT)	12/4/2008	SOLID	14	6	0.67	001754788	09/25/2009	ENERGYSOL		C-755	TM
120789	120789-01	CS	DEBRIS FROM MERCURY SPILL CLEANUP INCLUDES PRESSURE GAGE, FLOORSWEEP, CARTRIDGES, RUBBER GLOVES. A SMALL VIAL OF LIQUID MERCURY WAS REMOVED ON 09/16/09 AND ADDED TO 109630-01.	6/25/2008	SOLID	23	10	0.67	001754910	12/26/2009	ENERGYSOL		C-342	RTM
120812	120812-01	CS	PCB SOLIDS, FROM SPILL CLEANUP (PPE, PADS, MOP HEADS, PLASTIC)	10/23/2007	SOLID	140	64	7.4	001754908	12/26/2009	ENERGYSOL		C-333	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
120848	120848-01	CS	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	4/24/2007	SOLID	189	86	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
120848	120848-02	CS	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	11/14/2007	SOLID	156	71	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
120848	120848-03	CS	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	12/5/2007	SOLID	167	76	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
120848	120848-04	CS	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	2/21/2008	SOLID	101	46	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
120848	120848-05	CS	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	2/20/2008	SOLID	128	58	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
120848	120848-06	CS	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	2/21/2008	SOLID	132	60	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
121302	121302-01	CS	SPENT GRANULAR ACTIVATED CARBON, EMPTY CARBON DRUMS AND INTERNALS, GRANULAR ABSORBENT, PPE, AND BCS WASTE FROM CARBON FILTRATION DRUM DISPOSITION PROJECT. MAJORITY OF WASTE IN BOXES WILL BE CARBON.	8/6/1991	SOLID	4349	1973	90	001754781	09/18/2009	ENERGYSOL		C-746-A	TM
121302	121302-02	CS	SPENT GRANULAR ACTIVATED CARBON, EMPTY CARBON DRUMS AND INTERNALS, GRANULAR ABSORBENT, PPE, AND BCS WASTE FROM CARBON FILTRATION DRUM DISPOSITION PROJECT. MAJORITY OF WASTE IN BOXES WILL BE CARBON.	9/2/1997	SOLID	4306	1953	90	001754781	09/18/2009	ENERGYSOL		C-746-A	TM
121312	121312-01	CS	PCB REGULATED URANIUM PRECIPITATE. UP DRUMS PLACED IN OVER-PACK BOXES.	7/7/1997	SOLID	2686	1218	90	001754765	08/28/2009	ENERGYSOL		C-746-Q	RTM
121312	121312-02	CS	PCB REGULATED URANIUM PRECIPITATE. UP DRUMS PLACED IN OVER-PACK BOXES.	2/25/1987	SOLID	2634	1195	90	001754765	08/28/2009	ENERGYSOL		C-746-Q	RTM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
121312	121312-03	CS	PCB REGULATED URANIUM PRECIPITATE. UP DRUMS PLACED IN OVER-PACK BOXES.	9/9/1987	SOLID	2682	1217	90	001754765	08/28/2009	ENERGYSOL		C-746-Q	RTM
121312	121312-04	CS	PCB REGULATED URANIUM PRECIPITATE. UP DRUMS PLACED IN OVER-PACK BOXES.	7/7/1997	SOLID	2458	1115	90	001754765	08/28/2009	ENERGYSOL		C-746-Q	RTM
125055	125055-01	CS	PCB/HAZ/ POTENTIAL ASBESTOS CONTAMINATED LIGHT FIXTURE	11/6/2002	SOLID	17	8	0.67	001754699	03/13/2009	ENERGYSOL	4/28/2009	C-752-A	RTM
125089	125089-01	CS	PPE, BCS WASTE, PLASTIC, AND TOOLS FROM TCE OILY SLUDGE PROJECT REMOVED FROM 125086-01.	7/12/1989	SOLID	826	375	90	001754701	03/27/2009	ENERGYSOL	6/11/2009	C-752-A	RTM
13030	13030-10	CS	MISCELLANEOUS TRASH	12/13/2000	SOLID	182	83	7.4	001754721	04/24/2009	ENERGYSOL		C-746-A	TM
13030	13030-19	CS	MISCELLANEOUS TRASH	12/13/2000	SOLID	121	55	7.4	001754721	04/24/2009	ENERGYSOL		C-746-A	TM
13030	13030-53	CS	MISCELLANEOUS TRASH	12/13/2000	SOLID	90	41	7.4	001754721	04/24/2009	ENERGYSOL		C-746-A	TM
20389	20389-02	CS	FLOORSWEEP	11/22/1991	SOLID	256	116	7.4	001754769	08/28/2009	ENERGYSOL		C-400	TM
31889	31889-01	CS	OILY RAGS	10/23/1992	SOLID	131	59	7.4	001754770	09/11/2009	ENERGYSOL		C-400	TM
40854	40854-01	CS	PPE/RAGS	4/8/1996	SOLID	62	28	4	001754693	02/13/2009	ENERGYSOL		C-310	TM
47637	47637-01	CS	RAGS, FILTER PAPER PER SAMPLE	10/23/1997	SOLID	151	68	7.4	001754874	11/20/2009	ENERGYSOL		C-710	TM
48711	48711-01	CS	PPE/BUCKETS/PADS/FILTERS/PLASTIC	3/14/1997	SOLID	140	64	7.4	001754721	04/24/2009	ENERGYSOL		C-752-A	TM
48723	48723-01	CS	PPE/HOSE/ABSORBENTS/FILTERS	7/22/1997	SOLID	165	75	7.4	001754726	05/08/2009	ENERGYSOL		C-746-H3	TM
51907	51907-01	CS	RAGS/PLASTIC/LINERS/MISC. TRASH	12/1/1997	SOLID	2000	907	90	001754729	05/26/2009	ENERGYSOL		C-753-A	TM
51908	51908-01	CS	PADS/RAGS/GLOVES/ZORBALL/TRASH	3/6/1997	SOLID	1852	840	90	001754727	05/05/2009	ENERGYSOL		C-753-A	TM
54014	54014-01	CS	PALCO/WOOD (PALLETS CUT-UP)	8/29/1996	SOLID	2000	907	96	001754732	05/26/2009	ENERGYSOL		C-337	TM
54081	54081-01	CS	WOOD/PLASTIC/PADS/HYPALON	7/21/1997	SOLID	127	58	7.4	001754726	05/08/2009	ENERGYSOL		C-752-A	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
54601	54601-01	CS	USED FLOOR SWEEP FROM CLEAN UP.	9/6/1995	SOLID	229	104	11.4	001754789	09/25/2009	ENERGYSOL		C-410	TM
54601	54601-02	CS	USED FLOOR SWEEP FROM CLEAN UP.	9/6/1995	SOLID	211	96	11.4	001754789	09/25/2009	ENERGYSOL		C-410	TM
54601	54601-03	CS	USED FLOOR SWEEP FROM CLEAN UP.	9/6/1995	SOLID	218	99	11.4	001754789	09/25/2009	ENERGYSOL		C-410	TM
54606	54606-01	CS	DIRT/FLOORSWEEP/MGF2/ UF4	5/17/1995	SOLID	190	86	7.4	001754788	09/25/2009	ENERGYSOL		C-340	TM
54606	54606-02	CS	DIRT/FLOORSWEEP/MGF2	5/17/1995	SOLID	392	178	7.4	001754788	09/25/2009	ENERGYSOL		C-340	TM
55484	55484-01	CS	PPE / TRASH	5/23/1997	SOLID	60	27	7.4	001754721	04/24/2009	ENERGYSOL		C-333	TM
56708	56708-01	CS	PPE/RAGS/PAPER/ETC.	3/31/1997	SOLID	87	39	7.4	001754721	04/24/2009	ENERGYSOL		C-746-A	TM
56725	56725-01	CS	SOLID SAMPLES-INCINERABLE	1/13/1997	SOLID	58	26	7.4	001754912	12/26/2009	ENERGYSOL		C-746-A	RTM
59804	59804-01	CS	RAGS/PPE/BROOM/COLIW ASAS	10/16/1996	SOLID	85	39	7.4	001754721	04/24/2009	ENERGYSOL		C-340	TM
59804	59804-02	CS	RAGS	7/26/1996	SOLID	176	80	7.4	001754721	04/24/2009	ENERGYSOL		C-340	TM
44547	7414	CS	FLOORSWEEP/RUST	7/19/1996	SOLID	239	108	7.4	001754726	05/08/2009	ENERGYSOL		C-342	TM
1174	CAS-00448	CS	MISCELLANEOUS	7/17/1984	SOLID	230	104	11.4	001754789	09/25/2009	ENERGYSOL		C-746-M	TM
92053	CAS-02262	CS	MISCELLANEOUS	2/25/1985	SOLID	280	127	11.4	001754721	04/24/2009	ENERGYSOL		C-333-A	TM
6346	CAS-06138	CS	CAST IRON DRAIN PIPE	12/7/1987	SOLID	429	195	11.4	001754714	04/07/2009	ENERGYSOL		C-337-A	TM
7373	CAS-06237	CS	ZORBALL	10/18/1988	SOLID	121	55	7.4	001754693	02/13/2009	ENERGYSOL		C-310	TM
5714	CAS-06303	CS	ZORBALL	12/13/1988	SOLID	327	148	7.4	001754693	02/13/2009	ENERGYSOL		C-333	TM
6616	CAS-06343	CS	FLOOR SWEEP	6/23/1988	SOLID	222	101	7.4	001754693	02/13/2009	ENERGYSOL		C-331	TM
5678	CAS-06382	CS	SOLID WASTE	10/20/1988	SOLID	227	103	7.4	001754721	04/24/2009	ENERGYSOL		C-333	TM
7361	CAS-08274	CS	ZORBALL	10/26/1988	SOLID	358	162	7.4	001754693	02/13/2009	ENERGYSOL		C-310	TM
7227	CAS-08279	CS	PCB/U CONTAMINATED WASTE	11/17/1988	SOLID	291	132	7.4	001754721	04/24/2009	ENERGYSOL		C-409	TM
6746	CAS-08366	CS	PCB SOLID WASTE	3/21/1989	SOLID	305	138	11.4	001754721	04/24/2009	ENERGYSOL		C-337	TM
7733	CAS-08454	CS	PCB/U SOLID WASTE; FLOOR SWEEP	3/3/1989	SOLID	232	105	11.4	001754874	11/20/2009	ENERGYSOL		C-333	TM
7726	CAS-08462	CS	FLOOR SWEEP	3/29/1989	SOLID	238	108	7.4	001754693	02/13/2009	ENERGYSOL		C-335	TM
7726	CAS-08463	CS	FLOORSWEEP	3/29/1989	SOLID	218	99	7.4	001754693	02/13/2009	ENERGYSOL		C-335	TM
7739	CAS-08581	CS	SWEEPING COMPOUND	3/16/1989	SOLID	193	88	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-335	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
5722	CAS-08584	CS	ZORBALL	3/20/1989	SOLID	412	187	7.4	001754693	02/13/2009	ENERGYSOL		C-333	TM
5722	CAS-08585	CS	ZORBALL	3/20/1989	SOLID	331	150	7.4	001754693	02/13/2009	ENERGYSOL		C-333	TM
5722	CAS-08586	CS	ZORBALL	3/20/1989	SOLID	353	160	7.4	001754693	02/13/2009	ENERGYSOL		C-333	TM
5722	CAS-08587	CS	ZORBALL	3/20/1989	SOLID	256	116	7.4	001754693	02/13/2009	ENERGYSOL		C-333	TM
7072	CAS-08695	CS	DEBRIS/PLASTIC/RAGS	10/19/1989	SOLID	86	39	7.4	001754714	04/07/2009	ENERGYSOL		C-331	TM
9245	CAS-08746	CS	ZORBALL	9/7/1989	SOLID	364	165	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
9245	CAS-08747	CS	ZORBALL/RAGS/PADS	11/1/1989	SOLID	104	47	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
9239	CAS-08749	CS	OILY ZORBALL	10/16/1989	SOLID	387	176	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
9245	CAS-08751	CS	ZORBALL/RAGS/PADS	11/1/1989	SOLID	131	59	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
9245	CAS-08752	CS	ZORBALL/RAGS/PADS	11/1/1989	SOLID	134	61	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
5363	CAS-09465	CS	TRASH	11/7/1989	SOLID	244	111	7.4	001754721	04/24/2009	ENERGYSOL		C-331	TM
10992	CAS-09473	CS	FLOOR SWEEP	1/3/1990	SOLID	388	176	7.4	001754693	02/13/2009	ENERGYSOL		C-331	TM
10979	CAS-09491	CS	FLOOR SWEEP	10/13/1989	SOLID	453	205	7.4	001754693	02/13/2009	ENERGYSOL		C-331	TM
10979	CAS-09493	CS	FLOOR SWEEP	10/13/1989	SOLID	230	104	7.4	001754693	02/13/2009	ENERGYSOL		C-331	TM
10979	CAS-09495	CS	FLOOR SWEEP	10/13/1989	SOLID	233	106	7.4	001754693	02/13/2009	ENERGYSOL		C-331	TM
10979	CAS-09497	CS	FLOOR SWEEP	10/13/1989	SOLID	262	119	7.4	001754693	02/13/2009	ENERGYSOL		C-331	TM
10979	CAS-09498	CS	FLOORSWEEP	10/13/1989	SOLID	201	91	7.4	001754693	02/13/2009	ENERGYSOL		C-331	TM
10979	CAS-09500	CS	FLOOR SWEEP	10/13/1989	SOLID	261	118	7.4	001754693	02/13/2009	ENERGYSOL		C-331	TM
10979	CAS-09501	CS	FLOOR SWEEP	10/13/1989	SOLID	232	105	7.4	001754693	02/13/2009	ENERGYSOL		C-331	TM
2138	CAS-09505	CS	ZORBALL	11/4/1989	SOLID	332	151	11.4	001754693	02/13/2009	ENERGYSOL		C-335	TM
10489	CAS-09535	CS	TRASH	12/8/1989	SOLID	182	83	11.4	001754721	04/24/2009	ENERGYSOL		C-333	TM
5536	CAS-09565	CS	GENERAL SALVAGE	8/11/1989	SOLID	186	84	7.4	001754788	09/25/2009	ENERGYSOL		C-333	TM
5536	CAS-09566	CS	GENERAL SALVAGE	8/9/1989	SOLID	74	34	7.4	001754788	09/25/2009	ENERGYSOL		C-333	TM
5536	CAS-09567	CS	GENERAL SALVAGE	8/9/1989	SOLID	158	72	7.4	001754788	09/25/2009	ENERGYSOL		C-333	TM
5536	CAS-09568	CS	GENERAL SALVAGE	8/11/1989	SOLID	271	123	7.4	001754788	09/25/2009	ENERGYSOL		C-333	TM
5536	CAS-09569	CS	GENERAL SALVAGE	8/11/1989	SOLID	325	147	7.4	001754788	09/25/2009	ENERGYSOL		C-333	TM
5536	CAS-09570	CS	GENERAL SALVAGE	8/9/1989	SOLID	264	120	7.4	001754788	09/25/2009	ENERGYSOL		C-333	TM
5536	CAS-09571	CS	GENERAL SALVAGE	8/11/1989	SOLID	226	103	7.4	001754788	09/25/2009	ENERGYSOL		C-333	TM
5536	CAS-09572	CS	GENERAL SALVAGE	8/11/1989	SOLID	358	162	7.4	001754788	09/25/2009	ENERGYSOL		C-333	TM
2141	CAS-09588	CS	TACKY MATS	12/11/1989	SOLID	218	99	11.4	001754721	04/24/2009	ENERGYSOL		C-335	TM
5361	CAS-09603	CS	OIL SOAKED ZORBALL	12/16/1988	SOLID	421	191	7.4	001754693	02/13/2009	ENERGYSOL		C-310	TM
5360	CAS-09604	CS	ZORBALL	9/19/1989	SOLID	418	190	7.4	001754693	02/13/2009	ENERGYSOL		C-310	TM
10988	CAS-09631	CS	FLOOR SWEEP	11/7/1989	SOLID	253	115	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
5539	CAS-09642	CS	TACKY MATS	12/5/1989	SOLID	162	73	11.4	001754721	04/24/2009	ENERGYSOL		C-337-A	TM
9288	CAS-09645	CS	OILY ZORBALL/PADS/TRASH	12/31/1989	SOLID	130	59	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
9288	CAS-09647	CS	OILY ZORBALL/PADS/TRASH	12/31/1989	SOLID	130	59	7.4	001754714	04/07/2009	ENERGYSOL		C-337	TM
9288	CAS-09649	CS	OILY ZORBALL/PADS/TRASH	12/31/1989	SOLID	166	75	7.4	001754714	04/07/2009	ENERGYSOL		C-337	TM
9288	CAS-09650	CS	TRASH PER SAMPLING	12/31/1989	SOLID	166	75	7.4	001754721	04/24/2009	ENERGYSOL		C-337	TM
9288	CAS-09653	CS	OILY ZORBALL/PADS/TRASH	12/31/1989	SOLID	185	84	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
9288	CAS-09655	CS	OILY ZORBALL/PADS/TRASH	12/31/1989	SOLID	185	84	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
9288	CAS-09656	CS	OILY ZORBALL/PADS/TRASH	12/31/1989	SOLID	185	84	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
9288	CAS-09660	CS	TRASH PER SAMPLING	12/31/1989	SOLID	130	59	7.4	001754759	08/07/2009	ENERGYSOL	8/21/2009	C-337	TM
9288	CAS-09663	CS	OILY ZORBALL/PADS/TRASH	12/31/1989	SOLID	100	45	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
9288	CAS-09664	CS	OILY ZORBALL/PADS/TRASH	12/31/1989	SOLID	100	45	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
9288	CAS-09665	CS	OILY ZORBALL/PADS/TRASH	12/31/1989	SOLID	130	59	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
9288	CAS-09669	CS	OILY ZORBALL/PADS/TRASH	12/31/1989	SOLID	120	54	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
9288	CAS-09679	CS	TRASH	12/31/1989	SOLID	181	82	7.4	001754714	04/07/2009	ENERGYSOL		C-337	TM
9288	CAS-09680	CS	OILY ZORBALL/PADS/TRASH	12/31/1989	SOLID	181	82	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
9288	CAS-09685	CS	OILY ZORBALL/PADS/TRASH	12/31/1989	SOLID	100	45	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
9291	CAS-09689	CS	ABSORBANT PADS/PIGS	9/7/1989	SOLID	114	52	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
9244	CAS-09697	CS	OILY ZORBALL	10/26/1989	SOLID	311	141	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
11504	CAS-09701	CS	DUST MOPS	2/2/1990	SOLID	126	57	7.4	001754714	04/07/2009	ENERGYSOL		C-333	TM
8548	CAS-09707	CS	RAGS/GLOVES	2/7/1990	SOLID	141	64	7.4	001754721	04/24/2009	ENERGYSOL		C-720	TM
8158	CAS-09724	CS	TRASH/FILTERS	12/18/1989	SOLID	87	39	7.4	001754874	11/20/2009	ENERGYSOL		C-337	TM
9478	CAS-09726	CS	DEBRIS	7/25/1989	SOLID	214	97	11.4	001754721	04/24/2009	ENERGYSOL		C-335	TM
10998	CAS-09849	CS	FLOOR SWEEP	2/1/1990	SOLID	259	117	7.4	001754724	05/01/2009	ENERGYSOL		C-337	TM
10998	CAS-09850	CS	FLOOR SWEEP	2/1/1990	SOLID	282	128	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
10998	CAS-09852	CS	FLOOR SWEEP	2/1/1990	SOLID	300	136	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
10998	CAS-09853	CS	FLOOR SWEEP	2/1/1990	SOLID	238	108	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
10998	CAS-09854	CS	FLOOR SWEEP	2/1/1990	SOLID	263	119	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
10998	CAS-09855	CS	FLOOR SWEEP	2/1/1990	SOLID	359	163	11.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
10998	CAS-09856	CS	FLOOR SWEEP	2/1/1990	SOLID	246	112	7.4	001754724	05/01/2009	ENERGYSOL		C-337	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
10998	CAS-09857	CS	FLOOR SWEEP	2/1/1990	SOLID	241	109	7.4	001754724	05/01/2009	ENERGYSOL		C-337	TM
10998	CAS-09858	CS	FLOOR SWEEP	2/1/1990	SOLID	226	103	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
10998	CAS-09859	CS	FLOOR SWEEP	2/1/1990	SOLID	260	118	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
10998	CAS-09860	CS	FLOOR SWEEP	2/1/1990	SOLID	233	106	7.4	001754724	05/01/2009	ENERGYSOL		C-337	TM
9295	CAS-09876	CS	ZORBALL	1/28/1990	SOLID	492	223	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
9295	CAS-09877	CS	ZORBALL	1/28/1990	SOLID	484	220	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
4915	CAS-10021	CS	TYVEKS, RAGS, PLASTIC	2/14/1990	SOLID	92	42	7.4	001754721	04/24/2009	ENERGYSOL		C-400	TM
4915	CAS-10022	CS	TYVEKS, RAGS, PLASTIC, MOPHEADS, ZORBALL, PILLOWS, PPE, RUBBER GLOVES	2/14/1990	SOLID	150	68	7.4	001754721	04/24/2009	ENERGYSOL		C-400	TM
4915	CAS-10025	CS	TYVEKS, RAGS, PLASTIC	2/14/1990	SOLID	124	56	7.4	001754721	04/24/2009	ENERGYSOL		C-400	TM
2150	CAS-10041	CS	ZORBALL	11/4/1989	SOLID	411	186	11.4	001754693	02/13/2009	ENERGYSOL		C-335	TM
5387	CAS-10084	CS	ABSORBENT PADS	10/26/1988	SOLID	172	78	7.4	001754693	02/13/2009	ENERGYSOL		C-310	TM
12703	CAS-10085	CS	ZORBALL	3/15/1990	SOLID	332	151	11.4	001754714	04/07/2009	ENERGYSOL		C-333	TM
5158	CAS-10086	CS	HYDRAULIC TUBING/RAGS/MISC	3/13/1990	SOLID	155	70	7.4	001754721	04/24/2009	ENERGYSOL		C-337	TM
8480	CAS-10097	CS	PAPER, RAGS, GLASS BOTTLES	3/26/1990	SOLID	200	91	7.4	001754721	04/24/2009	ENERGYSOL		C-540	TM
13530	CAS-10128	CS	VACUUM CLEANER DUST/C400 OLD VAC/METAL SLAG	6/14/1990	SOLID	374	170	11.4	001754748	07/17/2009	ENERGYSOL	8/19/2009	C-400	TM
9235	CAS-10152	CS	ZORBALL	10/3/1989	SOLID	463	210	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
9235	CAS-10153	CS	ZORBALL	10/3/1989	SOLID	500	227	11.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
9235	CAS-10155	CS	ZORBALL	10/3/1989	SOLID	363	165	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
15606	CAS-10161	CS	CLEAN-UP, ZORBALL, RAGS, GLOVES	6/14/1990	SOLID	125	57	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
15607	CAS-10162	CS	ZORBALL, RAGS, GLOVES	6/14/1990	SOLID	439	199	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
11529	CAS-10171	CS	FLOOR SWEEP	6/7/1990	SOLID	245	111	7.4	001754693	02/13/2009	ENERGYSOL		C-333	TM
10795	CAS-10187	CS	TYVEKS, GLOVES, SUITS, RAGS	5/25/1990	SOLID	161	73	7.4	001754714	04/07/2009	ENERGYSOL		C-333	TM
10795	CAS-10188	CS	TYVEKS, GLOVES, SUITS, RAGS	5/25/1990	SOLID	150	68	7.4	001754714	04/07/2009	ENERGYSOL		C-333	TM
10795	CAS-10189	CS	TYVEKS, GLOVES, SUITS, RAGS	5/25/1990	SOLID	163	74	7.4	001754714	04/07/2009	ENERGYSOL		C-333	TM
10795	CAS-10193	CS	TYVEKS, GLOVES, SUITS, RAGS	5/25/1990	SOLID	140	64	7.4	001754714	04/07/2009	ENERGYSOL		C-333	TM
10795	CAS-10194	CS	TYVEKS, GLOVES, SUITS, RAGS	5/25/1990	SOLID	161	73	7.4	001754714	04/07/2009	ENERGYSOL		C-333	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
10795	CAS-10195	CS	TYVEKS, GLOVES, SUITS, RAGS	5/25/1990	SOLID	164	74	7.4	001754714	04/07/2009	ENERGYSOL		C-333	TM
10795	CAS-10196	CS	TYVEKS, GLOVES, SUITS, RAGS	5/25/1990	SOLID	134	61	7.4	001754714	04/07/2009	ENERGYSOL		C-333	TM
10795	CAS-10197	CS	TYVEKS, GLOVES, SUITS, RAGS	5/25/1990	SOLID	101	46	7.4	001754714	04/07/2009	ENERGYSOL		C-333	TM
10795	CAS-10199	CS	TYVEKS, GLOVES, SUITS, RAGS	5/25/1990	SOLID	103	47	7.4	001754714	04/07/2009	ENERGYSOL		C-333	TM
10795	CAS-10202	CS	TYVEKS, GLOVES, SUITS, RAGS	5/25/1990	SOLID	84	38	7.4	001754721	04/24/2009	ENERGYSOL		C-333	TM
10795	CAS-10204	CS	TYVEKS, GLOVES, SUITS, RAGS	5/25/1990	SOLID	106	48	7.4	001754714	04/07/2009	ENERGYSOL		C-333	TM
11526	CAS-10245	CS	FLOOR SWEEP	4/17/1990	SOLID	232	105	7.4	001754693	02/13/2009	ENERGYSOL		C-331	TM
11511	CAS-10270	CS	FLOOR SWEEP	6/24/1990	SOLID	155	70	7.4	001754721	04/24/2009	ENERGYSOL		C-331	TM
11507	CAS-10296	CS	FLOOR SWEEP	3/25/1990	SOLID	256	116	7.4	001754693	02/13/2009	ENERGYSOL		C-331	TM
11642	CAS-10378	CS	OIL PADS	7/31/1990	SOLID	247	112	11.4	001754693	02/13/2009	ENERGYSOL		C-335	TM
11606	CAS-10395	CS	PADS	4/3/1990	SOLID	106	48	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-335	TM
11577	CAS-10398	CS	FLOOR SWEEP	5/11/1990	SOLID	230	104	7.4	001754693	02/13/2009	ENERGYSOL		C-335	TM
11613	CAS-10407	CS	PIGS/PADS/RAGS/ETC.	2/22/1990	SOLID	160	73	7.4	001754693	02/13/2009	ENERGYSOL		C-335	TM
11606	CAS-10425	CS	PADS	4/3/1990	SOLID	104	47	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-335	TM
11606	CAS-10426	CS	PADS	4/3/1990	SOLID	117	53	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-335	TM
11606	CAS-10427	CS	PIGS/PADS/RAGS/ETC.	4/3/1990	SOLID	110	50	7.4	001754693	02/13/2009	ENERGYSOL		C-335	TM
4915	CAS-10443	CS	TYVEKS, RAGS, PLASTIC	2/14/1990	SOLID	115	52	7.4	001754721	04/24/2009	ENERGYSOL		C-400	TM
4918	CAS-10447	CS	TYVEKS, RAGS, PLASTIC	5/22/1990	SOLID	126	57	7.4	001754721	04/24/2009	ENERGYSOL		C-400	TM
7266	CAS-10723	CS	ABSORBENT PADS	9/19/1989	SOLID	176	80	7.4	001754693	02/13/2009	ENERGYSOL		C-310	TM
10839	CAS-10836	CS	WASTE PADS, PIGS & ZORBALL	9/5/1990	SOLID	78	35	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
10839	CAS-10840	CS	WASTE PADS, PIGS & ZORBALL	9/5/1990	SOLID	97	44	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
11578	CAS-10946	CS	USED FLOOR SWEEP	8/10/1990	SOLID	226	103	7.4	001754693	02/13/2009	ENERGYSOL		C-335	TM
10831	CAS-10959	CS	OIL SOAKED PADDING & PIG PANS	8/3/1990	SOLID	88	40	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
13042	CAS-11015	CS	TRASH, FLOOR SWEEP	11/5/1990	SOLID	131	59	7.4	001754714	04/07/2009	ENERGYSOL		C-746-M	TM
10298	CAS-11023	CS	EMPTY 5 DRUMS/ABSORBENTS	7/4/1990	SOLID	88	40	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
10298	CAS-11025	CS	EMPTY 5 GAL DRUMS/ABSORBENTS	7/4/1990	SOLID	87	39	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
10850	CAS-11056	CS	TRASH,OIL SOAKED PADS, & PILLOWS	11/18/1990	SOLID	99	45	7.4	001754693	02/13/2009	ENERGYSOL		C-333	TM
13851	CAS-11198	CS	FLOOR SWEEP	7/18/1989	SOLID	237	108	7.4	001754743	07/14/2009	ENERGYSOL	8/19/2009	C-333	TM
13851	CAS-11199	CS	FLOOR SWEEP	7/18/1989	SOLID	237	108	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
13851	CAS-11201	CS	ZORBALL	2/6/1990	SOLID	295	134	11.4	001754722	04/24/2009	ENERGYSOL		C-746-Q	TM
13851	CAS-11202	CS	ZORBALL	2/6/1990	SOLID	200	91	7.4	001754722	04/24/2009	ENERGYSOL		C-746-Q	TM
13851	CAS-11203	CS	ZORBALL	2/6/1990	SOLID	276	125	7.4	001754722	04/24/2009	ENERGYSOL		C-746-Q	TM
11662	CAS-11207	CS	OILY PANS, PIGS & TRASH	11/22/1990	SOLID	102	46	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-335	TM
11532	CAS-11227	CS	USED FLOOR SWEEP	11/27/1990	SOLID	213	97	7.4	001754693	02/13/2009	ENERGYSOL		C-333	TM
11664	CAS-11268	CS	OILY PANS, PIGS & TRASH	12/3/1990	SOLID	102	46	7.4	001754721	04/24/2009	ENERGYSOL		C-335	TM
11664	CAS-11276	CS	OILY PANS, PIGS & TRASH	12/3/1990	SOLID	101	46	7.4	001754693	02/13/2009	ENERGYSOL		C-335	TM
13228	CAS-11283	CS	RAGS, FILTERS	12/10/1990	SOLID	287	130	11.4	001754753	08/07/2009	ENERGYSOL	8/19/2009	C-540	RTM
13228	CAS-11284	CS	RAGS, FILTERS	12/10/1990	SOLID	203	92	11.4	001754753	08/07/2009	ENERGYSOL	8/19/2009	C-540	RTM
8864	CAS-11300	CS	ZORBAL, OILY RAGS	12/6/1990	SOLID	269	122	11.4	001754743	07/14/2009	ENERGYSOL	8/19/2009	C-531	TM
8831	CAS-11301	CS	ZORBALL AND RAGS	12/6/1990	SOLID	162	73	7.4	001754726	05/08/2009	ENERGYSOL		C-533	TM
11666	CAS-11305	CS	PIGS AND TRASH	12/8/1990	SOLID	109	49	7.4	001754714	04/07/2009	ENERGYSOL		C-335	TM
16522	CAS-12506	CS	TRASH	12/19/1990	SOLID	131	59	7.4	001754721	04/24/2009	ENERGYSOL		C-340	TM
11688	CAS-12513	CS	OIL CONTAMINATED TRASH	12/19/1990	SOLID	160	73	7.4	001754714	04/07/2009	ENERGYSOL		C-340	TM
13234	CAS-12573	CS	RAGS/FILTERS/GLASS SMPL BOTTLES	2/21/1991	SOLID	366	166	11.4	001754753	08/07/2009	ENERGYSOL	8/19/2009	C-540	RTM
13234	CAS-12574	CS	RAGS/FILTERS/GLASS SMPL BOTTLES	2/21/1991	SOLID	273	124	11.4	001754753	08/07/2009	ENERGYSOL	8/19/2009	C-540	RTM
13832	CAS-12608	CS	LAB SAMPLES	2/8/1991	SOLID	237	108	7.4	001754908	12/26/2009	ENERGYSOL		C-746-A	TM
13832	CAS-12609	CS	LAB SAMPLES	2/8/1991	SOLID	155	70	7.4	001754908	12/26/2009	ENERGYSOL		C-746-A	TM
5167	CAS-12674	CS	FLOOR SWEEP/OILY RAGS	2/19/1991	SOLID	316	143	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
14054	CAS-12748	CS	FLOOR SWEEP	3/26/1991	SOLID	122	55	7.4	001754693	02/13/2009	ENERGYSOL		C-310	TM
10222	CAS-12824	CS	GLOVES/SUITS/PLASTIC/RAGS/ZORBAL	4/19/1991	SOLID	132	60	7.4	001754721	04/24/2009	ENERGYSOL		C-337	TM
14153	CAS-12832	CS	GLOVES/RAGS/SHOE SCUFFS	4/10/1991	SOLID	86	39	7.4	001754721	04/24/2009	ENERGYSOL		C-333	TM
11561	CAS-12880	CS	FLOOR SWEEP/MOPS	4/9/1991	SOLID	160	73	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
11561	CAS-12881	CS	FLOOR SWEEP/MOPS	4/9/1991	SOLID	206	93	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
11561	CAS-12882	CS	FLOOR SWEEP/MOPS	4/9/1991	SOLID	194	88	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
11561	CAS-12883	CS	FLOOR SWEEP/MOPS	4/9/1991	SOLID	206	93	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
11560	CAS-12907	CS	FLOOR SWEEP/MOPS	4/4/1991	SOLID	202	92	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
11560	CAS-12908	CS	FLOOR SWEEP/MOPS	4/4/1991	SOLID	246	112	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
11560	CAS-12909	CS	FLOOR SWEEP/MOPS	4/4/1991	SOLID	208	94	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
11562	CAS-12935	CS	FLOOR SWEEP/MOPS	4/11/1991	SOLID	196	89	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
11562	CAS-12936	CS	FLOOR SWEEP/MOPS	4/11/1991	SOLID	178	81	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
11562	CAS-12938	CS	FLOOR SWEEP/MOPS	4/11/1991	SOLID	194	88	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
11562	CAS-12939	CS	FLOOR SWEEP/MOPS	4/11/1991	SOLID	174	79	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
11563	CAS-12941	CS	FLOOR SWEEP/MOPS	4/16/1991	SOLID	194	88	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
11563	CAS-12942	CS	FLOOR SWEEP/MOPS	4/16/1991	SOLID	193	88	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
11563	CAS-12943	CS	FLOOR SWEEP/MOPS	4/16/1991	SOLID	191	87	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
13887	CAS-13028	CS	ABSORBENTS - SPILL CLEANUP	5/14/1991	SOLID	130	59	7.4	001754743	07/14/2009	ENERGYSOL	8/19/2009	C-746-A	TM
11019	CAS-14013	CS	RAGS/GLOVES/TYVEK SUITS	5/7/1991	SOLID	263	119	11.4	001754721	04/24/2009	ENERGYSOL		C-337	TM
11584	CAS-14059	CS	FLOOR SWEEP/MOPS	5/16/1991	SOLID	182	83	7.4	001754693	02/13/2009	ENERGYSOL		C-335	TM
15760	CAS-14098	CS	FLOOR SWEEP	6/5/1991	SOLID	84	38	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
11565	CAS-14105	CS	FLOOR SWEEP	6/4/1991	SOLID	178	81	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
11565	CAS-14108	CS	FLOOR SWEEP	6/4/1991	SOLID	201	91	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
11565	CAS-14109	CS	FLOOR SWEEP	6/4/1991	SOLID	204	93	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
13890	CAS-14126	CS	FLOOR SWEEP	6/10/1991	SOLID	192	87	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14127	CS	FLOOR SWEEP	6/10/1991	SOLID	234	106	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14128	CS	FLOOR SWEEP	6/10/1991	SOLID	240	109	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14129	CS	FLOOR SWEEP	6/10/1991	SOLID	252	114	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14130	CS	FLOOR SWEEP	6/10/1991	SOLID	268	122	7.4	001754724	05/01/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14131	CS	FLOOR SWEEP	6/10/1991	SOLID	272	123	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14132	CS	FLOOR SWEEP	6/10/1991	SOLID	235	107	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14133	CS	FLOOR SWEEP	6/10/1991	SOLID	483	219	11.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14134	CS	FLOOR SWEEP	6/10/1991	SOLID	220	100	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14135	CS	FLOOR SWEEP	6/10/1991	SOLID	356	161	11.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14136	CS	FLOOR SWEEP	6/10/1991	SOLID	252	114	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14137	CS	FLOOR SWEEP	6/10/1991	SOLID	251	114	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14138	CS	FLOOR SWEEP	6/10/1991	SOLID	258	117	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14139	CS	FLOOR SWEEP	6/10/1991	SOLID	236	107	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14140	CS	FLOOR SWEEP	6/10/1991	SOLID	320	145	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14141	CS	FLOOR SWEEP	6/10/1991	SOLID	238	108	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14142	CS	FLOOR SWEEP	8/17/1989	SOLID	248	112	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
13890	CAS-14143	CS	FLOOR SWEEP	6/10/1991	SOLID	238	108	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14144	CS	FLOOR SWEEP	6/10/1991	SOLID	204	93	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14146	CS	FLOOR SWEEP	6/10/1991	SOLID	104	47	7.4	001754751	07/24/2009	ENERGYSOL	8/19/2009	C-746-A	TM
13890	CAS-14148	CS	FLOOR SWEEP	6/10/1991	SOLID	102	46	7.4	001754726	05/08/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14149	CS	FLOOR SWEEP	6/10/1991	SOLID	96	44	7.4	001754751	07/24/2009	ENERGYSOL	8/19/2009	C-746-A	TM
13890	CAS-14150	CS	FLOOR SWEEP	6/10/1991	SOLID	98	44	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14151	CS	FLOOR SWEEP	6/10/1991	SOLID	130	59	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14152	CS	FLOOR SWEEP	6/10/1991	SOLID	104	47	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14153	CS	FLOOR SWEEP	6/10/1991	SOLID	105	48	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14154	CS	FLOOR SWEEP	6/10/1991	SOLID	229	104	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14155	CS	FLOOR SWEEP	6/10/1991	SOLID	228	103	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
4752	CAS-14156	CS	FLOOR SWEEP	8/24/1989	SOLID	212	96	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-331	TM
4752	CAS-14157	CS	FLOOR SWEEP	8/24/1989	SOLID	220	100	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-331	TM
13890	CAS-14158	CS	FLOOR SWEEP	6/10/1991	SOLID	235	107	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14159	CS	FLOOR SWEEP	6/10/1991	SOLID	275	125	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14160	CS	FLOOR SWEEP	6/10/1991	SOLID	214	97	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14162	CS	FLOOR SWEEP	6/10/1991	SOLID	219	99	7.4	001754751	07/24/2009	ENERGYSOL	8/19/2009	C-746-A	TM
13890	CAS-14163	CS	FLOOR SWEEP	6/10/1991	SOLID	228	103	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14164	CS	FLOOR SWEEP	6/10/1991	SOLID	267	121	7.4	001754788	09/25/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14167	CS	FLOOR SWEEP	6/10/1991	SOLID	494	224	11.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14168	CS	FLOOR SWEEP	6/10/1991	SOLID	258	117	7.4	001754788	09/25/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14169	CS	FLOOR SWEEP	6/10/1991	SOLID	475	215	11.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14170	CS	FLOOR SWEEP	6/10/1991	SOLID	237	108	7.4	001754788	09/25/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14171	CS	FLOOR SWEEP	6/10/1991	SOLID	452	205	7.4	001754724	05/01/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14172	CS	FLOOR SWEEP	6/10/1991	SOLID	231	105	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14173	CS	FLOOR SWEEP	6/10/1991	SOLID	211	96	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14174	CS	FLOOR SWEEP	6/10/1991	SOLID	191	87	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14175	CS	FLOOR SWEEP	6/10/1991	SOLID	221	100	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14176	CS	FLOOR SWEEP	6/10/1991	SOLID	223	101	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14177	CS	FLOOR SWEEP	6/10/1991	SOLID	223	101	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14178	CS	FLOOR SWEEP	6/10/1991	SOLID	210	95	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14179	CS	FLOOR SWEEP	6/10/1991	SOLID	215	98	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14180	CS	FLOOR SWEEP	6/10/1991	SOLID	228	103	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14181	CS	FLOOR SWEEP	6/10/1991	SOLID	225	102	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14182	CS	FLOOR SWEEP	6/10/1991	SOLID	222	101	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
13890	CAS-14183	CS	FLOOR SWEEP	6/10/1991	SOLID	203	92	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14184	CS	FLOOR SWEEP	6/10/1991	SOLID	267	121	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14185	CS	FLOOR SWEEP	6/10/1991	SOLID	242	110	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14186	CS	FLOOR SWEEP	6/10/1991	SOLID	246	112	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14187	CS	FLOOR SWEEP	6/10/1991	SOLID	206	93	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14188	CS	FLOOR SWEEP	6/10/1991	SOLID	262	119	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14189	CS	FLOOR SWEEP	6/10/1991	SOLID	241	109	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14190	CS	FLOOR SWEEP	6/10/1991	SOLID	250	113	7.4	001754724	05/01/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14191	CS	FLOOR SWEEP	6/10/1991	SOLID	241	109	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14192	CS	FLOOR SWEEP	6/10/1991	SOLID	201	91	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14193	CS	FLOOR SWEEP	6/10/1991	SOLID	290	132	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14194	CS	FLOOR SWEEP	6/10/1991	SOLID	246	112	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
15226	CAS-14237	CS	FLOOR SWEEP	6/6/1991	SOLID	192	87	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
13890	CAS-14239	CS	FLOOR SWEEP	6/10/1991	SOLID	284	129	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14240	CS	FLOOR SWEEP	6/10/1991	SOLID	250	113	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14241	CS	FLOOR SWEEP	6/10/1991	SOLID	231	105	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14242	CS	FLOOR SWEEP	6/10/1991	SOLID	219	99	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14243	CS	FLOOR SWEEP	6/10/1991	SOLID	221	100	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14244	CS	FLOOR SWEEP	6/10/1991	SOLID	224	102	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14245	CS	FLOOR SWEEP	6/10/1991	SOLID	223	101	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14246	CS	FLOOR SWEEP	6/10/1991	SOLID	238	108	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
13890	CAS-14247	CS	FLOOR SWEEP	6/10/1991	SOLID	236	107	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
14901	CAS-14266	CS	OIL ABSORBENT PADS/BOOMS	6/17/1991	SOLID	201	91	7.4	001754722	04/24/2009	ENERGYSOL		C-400	TM
14902	CAS-14269	CS	TRASH/ABSORBENT PADS	6/17/1991	SOLID	232	105	7.4	001754726	05/08/2009	ENERGYSOL		C-400	TM
9844	CAS-14325	CS	ZORBALL	12/11/1990	SOLID	407	185	7.4	001754743	07/14/2009	ENERGYSOL	8/19/2009	C-746-B	TM
9844	CAS-14326	CS	RFD HAD WASTE OIL, WAS ZORBALL	12/11/1990	SOLID	663	301	7.4	001754743	07/14/2009	ENERGYSOL	8/19/2009	C-746-B	TM
8144	CAS-14432	CS	PAPER/PPE/PLASTIC PVC	9/7/1989	SOLID	176	80	11.4	001754721	04/24/2009	ENERGYSOL		C-337	TM
8005	CAS-14448	CS	PIPE/TUBING/FIBERGLASS /PADS	8/8/1991	SOLID	136	62	7.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
14976	CAS-14486	CS	RAGS/TYVEK/SHOE COVERS/PADS/PLAS	7/18/1991	SOLID	113	51	7.4	001754726	05/08/2009	ENERGYSOL		C-400	TM
18477	CAS-14595	CS	PAPER/GLOVES/FLOOR SWEEP/RAGS	8/28/1991	SOLID	159	72	7.4	001754714	04/07/2009	ENERGYSOL		C-746-A	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
7727	CAS-14642	CS	FLOOR SWEEP	1/6/1989	SOLID	247	112	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
7727	CAS-14643	CS	FLOOR SWEEP	1/6/1989	SOLID	225	102	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
7727	CAS-14644	CS	FLOOR SWEEP	1/6/1989	SOLID	190	86	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
7727	CAS-14645	CS	FLOOR SWEEP	1/6/1989	SOLID	238	108	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
17525	CAS-14682	CS	PLASTIC, PADS, RAGS	7/29/1991	SOLID	141	64	7.4	001754743	07/14/2009	ENERGYSOL	8/19/2009	C-746-A	TM
11074	CAS-14690	CS	TYVEKS/TRASH/BOOTIES/ SPILL CLNUP	10/16/1991	SOLID	92	42	7.4	001754714	04/07/2009	ENERGYSOL		C-746-A	TM
18458	CAS-14695	CS	SPILL CLNUP-PPE/TYVEKS/BOOTIES	11/15/1991	SOLID	204	93	7.4	001754714	04/07/2009	ENERGYSOL		C-746-A	TM
7727	CAS-14696	CS	FLOOR SWEEP	1/6/1989	SOLID	216	98	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
7727	CAS-14697	CS	FLOOR SWEEP	1/6/1989	SOLID	224	102	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
7727	CAS-14698	CS	FLOOR SWEEP	1/6/1989	SOLID	244	111	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
7727	CAS-14699	CS	FLOOR SWEEP	1/6/1989	SOLID	233	106	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
7727	CAS-14700	CS	FLOOR SWEEP	1/6/1989	SOLID	257	117	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
7727	CAS-14701	CS	FLOOR SWEEP	1/6/1989	SOLID	235	107	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
7749	CAS-14710	CS	FLOOR SWEEP	9/26/1989	SOLID	340	154	11.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
7749	CAS-14711	CS	FLOOR SWEEP	9/26/1989	SOLID	123	56	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
5643	CAS-14716	CS	FLOOR SWEEP	4/3/1990	SOLID	190	86	7.4	001754693	02/13/2009	ENERGYSOL		C-333	TM
5643	CAS-14718	CS	FLOOR SWEEP	4/3/1990	SOLID	392	178	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
13841	CAS-14731	CS	TYVEK/PLASTIC/PAPER/GLASS	10/7/1991	SOLID	92	42	7.4	001754714	04/07/2009	ENERGYSOL		C-746-A	TM
13842	CAS-14732	CS	TYVEK/WIPES/PAPER/PLASTIC/GLASS	11/4/1991	SOLID	110	50	7.4	001754714	04/07/2009	ENERGYSOL		C-746-A	TM
13840	CAS-14837	CS	TYVEK/KIMWIPES/PAPER/ PLASTIC	9/24/1991	SOLID	185	84	7.4	001754714	04/07/2009	ENERGYSOL		C-746-A	TM
13850	CAS-14854	CS	TYVEK/PAPER/PLASTIC/GLASS	7/30/1991	SOLID	85	39	7.4	001754714	04/07/2009	ENERGYSOL		C-746-A	TM
11083	CAS-14857	CS	TYVEKS AND MISC	5/10/1991	SOLID	320	145	11.4	001754721	04/24/2009	ENERGYSOL		C-746-A	TM
11083	CAS-14858	CS	CONCRETE/SAND	5/10/1991	SOLID	684	310	7.4	001754745	07/14/2009	ENERGYSOL		C-746-A	TM
11083	CAS-14859	CS	CONCRETE/SAND	5/10/1991	SOLID	613	278	7.4	001754747	07/17/2009	ENERGYSOL		C-746-A	TM
11083	CAS-14860	CS	CONCRETE/SAND	5/10/1991	SOLID	729	331	11.4	001754745	07/14/2009	ENERGYSOL		C-746-A	TM
8662	CAS-14873	CS	CONCRETE BLOCKS	1/21/1992	SOLID	464	210	7.4	001754747	07/17/2009	ENERGYSOL		C-340	TM
8662	CAS-14874	CS	CONCRETE BLOCKS	1/21/1992	SOLID	460	209	7.4	001754771	09/11/2009	ENERGYSOL		C-340	TM
8662	CAS-14875	CS	CONCRETE BLOCKS	1/21/1992	SOLID	434	197	7.4	001754771	09/11/2009	ENERGYSOL		C-340	TM
8662	CAS-14876	CS	CONCRETE BLOCKS	1/21/1992	SOLID	102	46	7.4	001754747	07/17/2009	ENERGYSOL		C-340	TM
8662	CAS-14877	CS	CONCRETE BLOCKS	1/21/1992	SOLID	560	254	7.4	001754771	09/11/2009	ENERGYSOL		C-340	TM
8662	CAS-14878	CS	CONCRETE BLOCKS	1/21/1992	SOLID	498	226	7.4	001754747	07/17/2009	ENERGYSOL		C-340	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
8662	CAS-14879	CS	CONCRETE BLOCKS	1/21/1992	SOLID	554	251	11.4	001754747	07/17/2009	ENERGYSOL		C-340	TM
8662	CAS-14880	CS	CONCRETE BLOCKS	1/21/1992	SOLID	376	171	7.4	001754747	07/17/2009	ENERGYSOL		C-340	TM
8662	CAS-14881	CS	CONCRETE BLOCKS	1/21/1992	SOLID	425	193	7.4	001754747	07/17/2009	ENERGYSOL		C-340	TM
8678	CAS-14956	CS	TYVEKS/GLOVES/SHOE COVERS	2/21/1992	SOLID	167	76	11.4	001754721	04/24/2009	ENERGYSOL		C-340	TM
11093	CAS-14960	CS	GLOVES/PLASTIC/SHOES/ MASLIN	2/18/1992	SOLID	98	44	7.4	001754714	04/07/2009	ENERGYSOL		C-746-A	TM
11097	CAS-14969	CS	PLASTIC/PPE/ZORBALL	3/6/1992	SOLID	205	93	11.4	001754743	07/14/2009	ENERGYSOL	8/19/2009	C-746-A	TM
23044	CAS-14997	CS	ABSORBENTS/WOOD	10/1/1991	SOLID	245	111	11.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
7750	CAS-15082	CS	FLOOR SWEEP	9/26/1989	SOLID	224	102	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
7750	CAS-15083	CS	FLOOR SWEEP	9/27/1989	SOLID	335	152	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
7750	CAS-15084	CS	FLOOR SWEEP	9/27/1989	SOLID	217	98	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
7750	CAS-15085	CS	FLOOR SWEEP	9/27/1989	SOLID	220	100	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
4750	CAS-15086	CS	FLOOR SWEEP	7/12/1989	SOLID	192	87	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
4750	CAS-15087	CS	FLOOR SWEEP	7/12/1989	SOLID	181	82	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
4750	CAS-15088	CS	FLOOR SWEEP	7/12/1989	SOLID	237	108	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
7741	CAS-15089	CS	FLOOR SWEEP	4/18/1989	SOLID	215	98	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
7745	CAS-15090	CS	ZORBALL	9/5/1989	SOLID	211	96	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-335	TM
3637	CAS-15092	CS	ZORBALL	12/27/1988	SOLID	311	141	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-337	TM
7741	CAS-15098	CS	FLOOR SWEEP	4/18/1989	SOLID	213	97	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
18484	CAS-15106	CS	PPE/SPILL CLEANUP	3/19/1992	SOLID	217	98	11.4	001754721	04/24/2009	ENERGYSOL		C-746-A	TM
2132	CAS-15121	CS	ZORBALL	9/26/1989	SOLID	344	156	11.4	001754693	02/13/2009	ENERGYSOL		C-335	TM
18307	CAS-15125	CS	CLEANING MATERIAL	5/10/1991	SOLID	332	151	7.4	001754908	12/26/2009	ENERGYSOL		C-400	TM
8114	CAS-15135	CS	ZORBALL	3/19/1989	SOLID	448	203	11.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
8114	CAS-15137	CS	ZORBALL	3/19/1989	SOLID	280	127	11.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
8114	CAS-15138	CS	ZORBALL	3/19/1989	SOLID	453	205	11.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
10458	CAS-15159	CS	TYVEKS/RAGS/GLOVES	8/24/1989	SOLID	127	58	7.4	001754721	04/24/2009	ENERGYSOL		C-333	TM
7745	CAS-15160	CS	FLOOR SWEEP	10/9/1989	SOLID	190	86	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-335	TM
7745	CAS-15161	CS	FLOOR SWEEP	9/5/1989	SOLID	212	96	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-335	TM
7745	CAS-15162	CS	FLOOR SWEEP	10/9/1989	SOLID	171	78	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-335	TM
7745	CAS-15163	CS	FLOOR SWEEP	9/8/1989	SOLID	181	82	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-335	TM
18307	CAS-15165	CS	OILY RAGS	5/10/1991	SOLID	281	127	11.4	001754743	07/14/2009	ENERGYSOL	8/19/2009	C-746-A	TM
18307	CAS-15166	CS	OILY RAGS	5/10/1991	SOLID	81	37	7.4	001754743	07/14/2009	ENERGYSOL	8/19/2009	C-746-A	TM
18307	CAS-15189	CS	FLOOR SWEEP	5/10/1991	SOLID	144	65	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
7748	CAS-15194	CS	PLASTIC FILTERS	9/18/1989	SOLID	187	85	11.4	001754756	08/07/2009	ENERGYSOL		C-337	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
8137	CAS-15196	CS	EMPTY ACTIVATED ALUMINA	8/15/1989	SOLID	187	85	11.4	001754908	12/26/2009	ENERGYSOL		C-337	TM
18307	CAS-15198	CS	TRASH/SAND	5/10/1991	SOLID	311	141	11.4	001754721	04/24/2009	ENERGYSOL		C-746-A	TM
5678	CAS-15206	CS	SOLID WASTE	6/11/1989	SOLID	352	160	7.4	001754721	04/24/2009	ENERGYSOL		C-333	TM
5722	CAS-15208	CS	ZORBALL	3/20/1989	SOLID	386	175	7.4	001754693	02/13/2009	ENERGYSOL		C-333	TM
18488	CAS-15226	CS	PPE/PLASTIC/ABSORBENTS/SAWDUST	4/1/1992	SOLID	208	94	11.4	001754743	07/14/2009	ENERGYSOL	8/19/2009	C-746-A	TM
4750	CAS-15237	CS	FLOOR SWEEP	7/12/1989	SOLID	222	101	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
4750	CAS-15238	CS	FLOOR SWEEP	7/12/1989	SOLID	234	106	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
4750	CAS-15239	CS	FLOOR SWEEP	7/12/1989	SOLID	221	100	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
4750	CAS-15240	CS	FLOOR SWEEP	8/25/1989	SOLID	247	112	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
4750	CAS-15241	CS	FLOOR SWEEP	8/25/1989	SOLID	219	99	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
4750	CAS-15242	CS	FLOOR SWEEP	8/25/1989	SOLID	219	99	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
7750	CAS-15243	CS	FLOOR SWEEP	9/30/1989	SOLID	199	90	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
7750	CAS-15244	CS	FLOOR SWEEP	9/30/1989	SOLID	196	89	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
10978	CAS-15247	CS	FLOOR SWEEP	9/26/1989	SOLID	221	100	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
10978	CAS-15250	CS	FLOOR SWEEP	9/26/1989	SOLID	297	135	11.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
10978	CAS-15251	CS	FLOOR SWEEP	9/26/1989	SOLID	226	103	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
10978	CAS-15252	CS	FLOOR SWEEP	9/26/1989	SOLID	296	134	11.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
10978	CAS-15253	CS	FLOOR SWEEP	9/26/1989	SOLID	319	145	11.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
10978	CAS-15254	CS	FLOOR SWEEP	9/26/1989	SOLID	230	104	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
10978	CAS-15256	CS	FLOOR SWEEP	9/26/1989	SOLID	226	103	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
7750	CAS-15259	CS	FLOOR SWEEP	9/30/1989	SOLID	222	101	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
7750	CAS-15260	CS	FLOOR SWEEP	9/30/1989	SOLID	234	106	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
7750	CAS-15261	CS	FLOOR SWEEP	9/27/1989	SOLID	263	119	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
5694	CAS-15278	CS	TRASH/FLOOR SWEEEP	7/26/1989	SOLID	220	100	11.4	001754714	04/07/2009	ENERGYSOL		C-333	TM
5694	CAS-15279	CS	FLOOR SWEEEP	7/26/1989	SOLID	372	169	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
10931	CAS-15281	CS	ZORBALL	12/18/1989	SOLID	254	115	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
10931	CAS-15282	CS	ZORBALL	12/18/1989	SOLID	252	114	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
10931	CAS-15283	CS	ZORBALL	12/18/1989	SOLID	189	86	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
10931	CAS-15284	CS	FLOOR SWEEP	12/18/1989	SOLID	210	95	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
10931	CAS-15285	CS	FLOOR SWEEP/TRASH	12/18/1989	SOLID	264	120	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
10931	CAS-15286	CS	ZORBALL	12/18/1989	SOLID	180	82	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
10931	CAS-15287	CS	ZORBALL	12/18/1989	SOLID	200	91	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
10931	CAS-15288	CS	ZORBALL	12/18/1989	SOLID	255	116	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
10931	CAS-15289	CS	ZORBALL	12/18/1989	SOLID	254	115	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
10931	CAS-15290	CS	ZORBALL	12/18/1989	SOLID	234	106	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
10931	CAS-15291	CS	ZORBALL	12/18/1989	SOLID	208	94	7.4	001754694	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
9802	CAS-15292	CS	FLOOR SWEEP	8/22/1989	SOLID	250	113	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-310	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
16650	CAS-15293	CS	FLOOR SWEEP	2/6/1990	SOLID	375	170	11.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
16650	CAS-15294	CS	FLOOR SWEEP	2/6/1990	SOLID	275	125	11.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
16650	CAS-15295	CS	FLOOR SWEEP	2/6/1990	SOLID	400	181	11.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-333	TM
16650	CAS-15296	CS	FLOOR SWEEP	2/14/1990	SOLID	400	181	11.4	001754724	05/01/2009	ENERGYSOL		C-746-B	TM
16650	CAS-15297	CS	FLOOR SWEEP	2/14/1990	SOLID	292	132	11.4	001754722	04/24/2009	ENERGYSOL		UNKNOWN	TM
16458	CAS-15348	CS	PPE/PLASTIC	12/5/1989	SOLID	197	89	11.4	001754721	04/24/2009	ENERGYSOL		UNKNOWN	TM
16458	CAS-15349	CS	PPE/PLASTIC; PHASE I - I.D.W. - PPE; PLASTIC	12/7/1989	SOLID	221	100	11.4	001754721	04/24/2009	ENERGYSOL		UNKNOWN	TM
17604	CAS-15430	CS	TYVEK/PAPER/PLASTIC/GLASS	2/5/1992	SOLID	91	41	7.4	001754714	04/07/2009	ENERGYSOL		C-746-A	TM
22127	CAS-15514	CS	PLASTIC/GLOVES/MASLIN/SHOE SCUFF	5/19/1992	SOLID	293	133	11.4	001754721	04/24/2009	ENERGYSOL		C-746-A	TM
17611	CAS-15538	CS	TYVEK/PAPER/PLASTIC/GLASS/GLOVES	5/19/1992	SOLID	184	83	11.4	001754721	04/24/2009	ENERGYSOL		C-746-A	TM
21660	CAS-15555	CS	RAGS/PAPER/GLOVES	1/30/1992	SOLID	92	42	7.4	001754721	04/24/2009	ENERGYSOL		C-337	TM
17616	CAS-15562	CS	TYVEKS/PAPER/TRASH/PLASTIC/GLASS	9/3/1992	SOLID	175	79	11.4	001754721	04/24/2009	ENERGYSOL		C-746-A	TM
17639	CAS-15563	CS	PPE/PAPER/GLASS/PLASTIC/TRASH	8/4/1992	SOLID	186	84	11.4	001754721	04/24/2009	ENERGYSOL		C-746-A	TM
27826	CAS-15567	CS	RAGS/PLASTIC/PPE/VERMICULITE	8/16/1992	SOLID	216	98	11.4	001754721	04/24/2009	ENERGYSOL		C-746-A	TM
27827	CAS-15569	CS	PAPER/PLASTIC/TRASH	4/28/1992	SOLID	184	83	11.4	001754721	04/24/2009	ENERGYSOL		C-746-A	TM
27830	CAS-15574	CS	PPE/PAPER/PLASTIC	7/14/1992	SOLID	215	98	11.4	001754721	04/24/2009	ENERGYSOL		C-746-A	TM
27832	CAS-15583	CS	PALLETS/PLASTIC/GLOVES	9/23/1992	SOLID	209	95	11.4	001754721	04/24/2009	ENERGYSOL		C-746-A	TM
27833	CAS-15699	CS	PPE/WOOD/PLASTIC	10/13/1992	SOLID	230	104	11.4	001754721	04/24/2009	ENERGYSOL		C-746-A	TM
17648	CAS-15710	CS	SOLID NICKEL STRIPPER SAMPLES.	10/27/1992	SOLID	319	145	11.4	001754758	08/07/2009	ENERGYSOL		C-710	RTM
23919	CAS-15730	CS	PPE/PLASTIC - SAMPLING DEBRIS	12/31/1992	SOLID	180	82	11.4	001754721	04/24/2009	ENERGYSOL		C-746-A	TM
24388	CAS-15768	CS	BEARINGS/ABSORBENT/TRASH/PPE	7/8/1992	SOLID	264	120	11.4	001754693	02/13/2009	ENERGYSOL		C-337	TM
15644	CAS-15862	CS	PPE/RAGS/METAL	10/6/1992	SOLID	198	90	11.4	001754721	04/24/2009	ENERGYSOL		C-746-A	TM
3128	CAS-15911	CS	PPE/PLASTIC/EMPTY BUCKET	2/5/1993	SOLID	277	126	11.4	001754721	04/24/2009	ENERGYSOL		C-720	TM
32335	CAS-15912	CS	TYVEK/PAPER/GLOVES/PLASTIC	2/23/1993	SOLID	186	84	11.4	001754721	04/24/2009	ENERGYSOL		C-746-A	TM
29322	CAS-15924	CS	PPE/PLASTIC/METAL	12/15/1992	SOLID	208	94	11.4	001754721	04/24/2009	ENERGYSOL		C-746-A	TM
32891	CAS-16202	CS	PPE PIPE/FITTINGS	5/14/1993	SOLID	167	76	7.4	001754721	04/24/2009	ENERGYSOL		C-337	TM
29197	CAS-16228	CS	PPE PIPE/FITTINGS	5/21/1993	SOLID	164	74	7.4	001754721	04/24/2009	ENERGYSOL		C-337	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
30676	CAS-16328	CS	CONCRETE SPILL	6/15/1993	SOLID	546	248	7.4	001754747	07/17/2009	ENERGYSOL		C-710	TM
34723	CAS-16623	CS	CLEANUP/PPE/ABSORBENTS	10/22/1993	SOLID	100	45	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
34723	CAS-16629	CS	SPILL CLEANUP/PPE/ABSORBENTS	10/22/1993	SOLID	245	111	7.4	001754722	04/24/2009	ENERGYSOL		C-746-A	TM
41754	CAS-17121	CS	PLYWOOD/PALCO LINER	4/13/1994	SOLID	2500	1134	96	001754732	05/26/2009	ENERGYSOL		C-746-Q	TM
37282	CAS-17256	CS	PPE & PLASTIC SHEETING	5/3/1994	SOLID	138	63	7.4	001754721	04/24/2009	ENERGYSOL		C-750-C	TM
37282	CAS-17260	CS	PPE & PLASTIC SHEETING	5/3/1994	SOLID	95	43	7.4	001754721	04/24/2009	ENERGYSOL		C-750-C	TM
14884	CAS-17296	CS	FLOOR SWEEP	5/7/1994	SOLID	194	88	7.4	001754789	09/25/2009	ENERGYSOL		C-400	TM
38020	CAS-17323	CS	PPE/RAGS/MOPHEADS	6/14/1994	SOLID	114	52	7.4	001754714	04/07/2009	ENERGYSOL		C-746-A	TM
33776	CAS-17334	CS	PPE/RAGS/PLASTIC	6/12/1994	SOLID	78	35	7.4	001754721	04/24/2009	ENERGYSOL		C-340	TM
33776	CAS-17335	CS	PPE/RAGS/PLASTIC/MASLIN/HP SMEAR	6/15/1994	SOLID	86	39	7.4	001754721	04/24/2009	ENERGYSOL		C-340	TM
36359	CAS-17406	CS	DEBRIS & PPE	3/17/1994	SOLID	96	44	7.4	001754721	04/24/2009	ENERGYSOL		C-746-A	TM
41211	CAS-17477	CS	PPE/RAGS	6/21/1994	SOLID	130	59	7.4	001754721	04/24/2009	ENERGYSOL		C-340	TM
45353	CAS-17505	CS	PPE/PADS/PAPER/METAL	8/18/1994	SOLID	147	67	7.4	001754714	04/07/2009	ENERGYSOL		C-335	TM
44495	CAS-17527	CS	RAGS/CONCRETE CHIPS.	10/5/1994	SOLID	92	42	7.4	001754788	09/25/2009	ENERGYSOL		C-340	TM
44495	CAS-17528	CS	RAGS/ZORBALL	12/12/1994	SOLID	142	64	7.4	001754695	02/24/2009	ENERGYSOL	3/10/2009	C-340	TM
45045	CAS-17535	CS	PPE/RAGS	9/27/1994	SOLID	251	114	11.4	001754721	04/24/2009	ENERGYSOL		C-410	TM
29346	CAS-17549	CS	PPE/GLASS	12/28/1994	SOLID	99	45	7.4	001754714	04/07/2009	ENERGYSOL		C-746-A	TM
44498	CAS-17553	CS	BUCKET ELEVATOR PIT SLUDGE/MOP	10/7/1994	SOLID	275	125	7.4	001754908	12/26/2009	ENERGYSOL		C-340	TM
47651	CAS-17677	CS	ASH/FLOOR SWEEP	3/1/1995	SOLID	422	191	11.4	001754772	09/11/2009	ENERGYSOL		C-340	TM
47651	CAS-17678	CS	ASH/FLOOR SWEEP	3/1/1995	SOLID	345	156	11.4	001754772	09/11/2009	ENERGYSOL		C-340	TM
47651	CAS-17679	CS	ASH/FLOOR SWEEP	3/1/1995	SOLID	309	140	11.4	001754772	09/11/2009	ENERGYSOL		C-340	TM
47651	CAS-17680	CS	ASH/FLOOR SWEEP	3/1/1995	SOLID	477	216	11.4	001754772	09/11/2009	ENERGYSOL		C-340	TM
42692	CAS-17857	CS	PPE	2/20/1995	SOLID	221	100	7.4	001754721	04/24/2009	ENERGYSOL		C-337	TM
42692	CAS-17873	CS	PPE	3/10/1995	SOLID	248	112	7.4	001754721	04/24/2009	ENERGYSOL		C-337	TM
47673	CAS-18075	CS	FLOOR SWEEP/UF4	3/31/1995	SOLID	247	112	11.4	001754772	09/11/2009	ENERGYSOL		C-340	TM
47674	CAS-18076	CS	FLOOR SWEEP/DIRT/UF4	3/29/1995	SOLID	323	147	7.4	001754772	09/11/2009	ENERGYSOL		C-340	TM
50327	CAS-18101	CS	OILY RAGS/SCRUB PADS	1/20/1995	SOLID	276	125	11.4	001754743	07/14/2009	ENERGYSOL	8/19/2009	C-410	TM
14884	CASX-17293	CS	FLOOR SWEEP	5/24/1991	SOLID	239	108	7.4	001754789	09/25/2009	ENERGYSOL		C-400	TM
14884	CASX-17294	CS	FLOOR SWEEP	5/24/1991	SOLID	214	97	7.4	001754789	09/25/2009	ENERGYSOL		C-400	TM
14884	CASX-17295	CS	FLOOR SWEEP	5/24/1991	SOLID	300	136	7.4	001754789	09/25/2009	ENERGYSOL		C-400	TM

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (lbs)	GROSS WT (Kg)	NET VOLUME (ft3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE	SOURCE	WASTE CATEGORY
27135	CASX-17513	CS	PPE/RAGS/GLOVES/ABSORBENTS	7/27/2004	SOLID	178	81	7.4	001754726	05/08/2009	ENERGYSOL		C-537	TM
47675	CASX-18077	CS	FLOOR SWEEP/TRASH/UF4	3/29/1995	SOLID	355	161	7.4	001754772	09/11/2009	ENERGYSOL		C-340	TM
50346	CASX-18109	CS	FLOOR SWEEP	9/6/1995	SOLID	132	60	7.4	001754789	09/25/2009	ENERGYSOL		C-410	TM
50346	CASX-18110	CS	FLOOR SWEEP	9/6/1995	SOLID	133	60	7.4	001754789	09/25/2009	ENERGYSOL		C-410	TM
665	HC-0699	CS	VACUUM DUST	7/24/1989	SOLID	228	103	7.4	001754874	11/20/2009	ENERGYSOL		C-337	TM
NA	W08312	CS	PCB ELECTRICAL CABLE (Collyer 250 MCR-RR) from DMSA C-337-29	3/31/2009	SOLID	2800	1270	110	001754744	6/23/2009	ENERGYSOL		G-337-37-01	TM
NA	W08315	CS	PCB ELECTRICAL CABLE (Collyer 250 MCR-RR) from DMSA C-337-29	4/13/2009	SOLID	2800	1270	110	001754724	05/01/2009	ENERGYSOL		C-337-29	TM
NA	W08316	CS	PCB ELECTRICAL CABLE (Collyer 250 MCR-RR) from DMSA C-337-29	4/17/2009	SOLID	2800	1270	110	001754724	05/01/2009	ENERGYSOL		C-337-29	TM
622						**549631**	**249313**	**24417.03**			**TOTAL**			

Table B.6. PCB Waste Shipped for Disposal in 2009 (Continued)

SUMMARY OF PCB WASTE SHIPPED IN 2009 (Concluded)					
NUMBER OF ITEMS	**WASTE ITEM**	**WASTE ITEM DESCRIPTION**	**GROSS WT (lb)**	**GROSS WT (Kg)**	**NET VOLUME CUBIC FEET (cu. ft.)**
0	A	Articles	0	0	0
6	AC	Article Containers	45955	20845	1650
0	B	Bulk Liquid (tankers)	0	0	0
44	CL	Containers of Liquids	16710	7580	334.87
572	CS	Containers of Solids	486966	220888	22431.96
622			**549631**	**249313**	**24416.83**

Total Number of Items Shipped in 2009	=	622
Total Gross Wt in Pounds Shipped in 2009	=	549631
Total Gross Wt in Kilograms Shipped in 2009	=	249313
Total Net Volume in Cubic Feet Shipped in 2009	=	24417

Table B.7. PCB Waste Water Treated in 2009

CONTAINER ID	DESCRIPTION	WEIGHT (kg)	STORAGE DATE	TREATMENT DATE	TREATMENT	DISPOSAL LOCATION	DISPOSAL DATE
No PCB waste water was treated and/or discharged during CY 2009.							

Table B.8. PCB Waste Disposed in 2009

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOL (FT3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE
57796	57796-01	AC	EXTRACTION TANK CUT UP AND PUT INTO METAL BOX	9/5/96	SOLID	999	453	96	00793	3/22/06	PERMA FIX	3/6/09
57481	57481-01	AC	EXTRACTION CART/AUX. EQUIPMENT	6/25/96	SOLID	3472	1575	96	00793	3/22/06	PERMA FIX	3/6/09
108895	108895-01	CL	VENTILATION DUCT LIQUID	1/24/08	LIQUID	470	213	7.4	001754709	3/31/09	DSSI	6/19/09
108895	108895-02	CL	VENTILATION DUCT LIQUID	3/5/08	LIQUID	458	208	7.4	001754709	3/31/09	DSSI	6/19/09
108895	108895-03	CL	VENTILATION DUCT LIQUID	4/1/08	LIQUID	468	212	7.4	001754709	3/31/09	DSSI	6/19/09
108895	108895-04	CL	VENTILATION DUCT LIQUID	4/23/08	LIQUID	468	212	7.4	001754709	3/31/09	DSSI	6/19/09
108895	108895-05	CL	VENTILATION DUCT LIQUID	4/23/08	LIQUID	478	217	7.4	001754709	3/31/09	DSSI	6/19/09
108895	108895-06	CL	VENTILATION DUCT LIQUID	5/29/08	LIQUID	466	211	7.4	001754709	3/31/09	DSSI	6/19/09
108895	108895-07	CL	VENTILATION DUCT LIQUID	6/25/08	LIQUID	473	215	7.4	001754709	3/31/09	DSSI	6/19/09
108898	108898-01	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	8/13/08	LIQUID	472	214	7.4	001754709	3/31/09	DSSI	6/19/09
108898	108898-02	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	9/29/08	LIQUID	456	207	7.4	001754709	3/31/09	DSSI	6/19/09
108898	108898-03	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	11/3/08	LIQUID	426	193	7.4	001754709	3/31/09	DSSI	6/19/09
108898	108898-04	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	12/15/08	LIQUID	465	211	7.4	001754709	3/31/09	DSSI	6/19/09

Table B.8. PCB Waste Disposed in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOL (FT3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE
108898	108898-05	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	2/2/09	LIQUID	463	210	7.4	001754709	3/31/09	DSSI	6/19/09
108898	108898-06	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	2/3/09	LIQUID	450	204	7.4	001754709	3/31/09	DSSI	6/19/09
108898	108898-07	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	2/4/09	LIQUID	422	191	7.4	001754709	3/31/09	DSSI	6/19/09
108900	108900-01	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS.	12/8/08	LIQUID	461	209	7.4	001754709	3/31/09	DSSI	6/19/09
108900	108900-03	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS.	2/10/09	LIQUID	362	164	7.4	001754709	3/31/09	DSSI	6/19/09
107427	107427-01	CL	LAB PACK OF AQUEOUS SAMPLE RETURNS FROM TSCAL 05-01 AND TSCAL 05-02.	4/3/08	LIQUID	91	41	7.4	001754760	8/26/09	DSSI	10/26/09
108900	108900-02	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS.	3/25/09	LIQUID	446	202	7.4	001754760	8/26/09	DSSI	10/26/09
108900	108900-04	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS.	3/25/09	LIQUID	349	158	7.4	001754760	8/26/09	DSSI	10/26/09
109172	109172-01	CL	LAB PACK OF OIL SAMPLE RETURNS FROM TSCAL 05-01 AND TSCAL 05-02.	4/3/08	LIQUID	77	35	7.4	001754760	8/26/09	DSSI	10/26/09

Table B.8. PCB Waste Disposed in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOL (FT3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE
118352	118352-01	CL	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.	8/1/08	LIQUID	96	44	7.4	001754760	8/26/09	DSSI	10/26/09
118352	118352-02	CL	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.	8/1/08	LIQUID	483	219	11.4	001754760	8/26/09	DSSI	10/26/09
118352	118352-03	CL	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.	8/1/08	LIQUID	406	184	7.4	001754760	8/26/09	DSSI	10/26/09
118352	118352-04	CL	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.	8/1/08	LIQUID	398	181	7.4	001754760	8/26/09	DSSI	10/26/09

Table B.8. PCB Waste Disposed in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOL (FT3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE
118352	118352-05	CL	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.	8/1/08	LIQUID	402	182	7.4	001754760	8/26/09	DSSI	10/26/09
118352	118352-06	CL	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.	8/1/08	LIQUID	487	221	11.4	001754760	8/26/09	DSSI	10/26/09
123116	123116-01	CL	LIQUID LAB WASTE. RESIDUAL OIL WITH NON-HALOGENATED SOLVENT CONTAMINATION (TOLUENE, ACETONE) AS WELL AS ISOPROPYL ALCOHOL.	4/18/08	LIQUID	38	17	0.67	001754760	8/26/09	DSSI	10/26/09

Table B.8. PCB Waste Disposed in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOL (FT3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE
123123	123123-01	CL	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	6/25/08	LIQUID	414	188	7.4	001754760	8/26/09	DSSI	10/26/09
123123	123123-02	CL	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	6/25/08	LIQUID	410	186	7.4	001754760	8/26/09	DSSI	10/26/09
123123	123123-03	CL	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	6/25/08	LIQUID	404	183	7.4	001754760	8/26/09	DSSI	10/26/09
123123	123123-04	CL	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	6/25/08	LIQUID	410	186	7.4	001754760	8/26/09	DSSI	10/26/09

Table B.8. PCB Waste Disposed in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOL (FT3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE
123123	123123-05	CL	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	6/18/08	LIQUID	374	170	7.4	001754760	8/26/09	DSSI	10/26/09
123123	123123-06	CL	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	6/18/08	LIQUID	370	168	7.4	001754760	8/26/09	DSSI	10/26/09
123123	123123-07	CL	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	6/18/08	LIQUID	453	205	11.4	001754760	8/26/09	DSSI	10/26/09
123123	123123-08	CL	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	6/18/08	LIQUID	378	171	7.4	001754760	8/26/09	DSSI	10/26/09

Table B.8. PCB Waste Disposed in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOL (FT3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE
123123	123123-09	CL	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	6/18/08	LIQUID	386	175	7.4	001754760	8/26/09	DSSI	10/26/09
123123	123123-10	CL	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	6/18/08	LIQUID	318	144	7.4	001754760	8/26/09	DSSI	10/26/09
123123	123123-11	CL	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.	6/25/08	LIQUID	422	191	7.4	001754760	8/26/09	DSSI	10/26/09
47621	47621-01	CL	AQUEOUS LAB WASTE-SLIGHTLY BASIC; PCB DETECTABLE RADIOACTIVE WATER < 1 WT% URANIUM	11/20/97	LIQUID	89	40	4	00793	3/22/06	PERMA FIX	3/6/09
120108	120108-01	CS	ABSORBENTS/FLOORSWEEP PROJECT CONTAINERS 08-ABS-FS-TM-01	5/10/88	SOLID	21190	9612	540	001754676	12/31/08	ENERGYSOL	1/29/09

Table B.8. PCB Waste Disposed in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOL (FT3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE
120108	120108-02	CS	ABSORBENTS/FLOORSWEEP PROJECT CONTAINERS 08-ABS-FS-TM-01	5/10/88	SOLID	21503	9754	540	001754677	12/31/08	ENERGYSOL	1/29/09
120108	120108-03	CS	ABSORBENTS/FLOORSWEEP PROJECT CONTAINERS 08-ABS-FS-TM-01	5/10/88	SOLID	17013	7717	540	001754678	12/31/08	ENERGYSOL	2/6/09
120108	120108-04	CS	ABSORBENTS/FLOORSWEEP PROJECT CONTAINERS 08-ABS-FS-TM-01	5/4/88	SOLID	16684	7568	540	001754679	12/31/08	ENERGYSOL	2/6/09
120108	120108-05	CS	ABSORBENTS/FLOORSWEEP PROJECT CONTAINERS 08-ABS-FS-TM-01	1/19/87	SOLID	14090	6391	540	001754680	12/31/08	ENERGYSOL	1/29/09
120108	120108-08	CS	ABSORBENTS/FLOORSWEEP PROJECT CONTAINERS 08-ABS-FS-TM-01	3/21/89	SOLID	14269	6472	540	001754683	1/23/09	ENERGYSOL	2/25/09
120108	120108-06	CS	ABSORBENTS/FLOORSWEEP PROJECT CONTAINERS 08-ABS-FS-TM-01	2/22/90	SOLID	14807	6716	540	001754684	1/23/09	ENERGYSOL	2/25/09
120108	120108-09	CS	PCB Contaminated Trash, Floor Sweep, and Absorbent	4/27/88	SOLID	20700	9389	523.94	1754685	2/13/09	ENERGYSOL	3/18/09
120108	120108-07	CS	ABSORBENTS/FLOORSWEEP PROJECT CONTAINERS 08-ABS-FS-TM-01	5/10/88	SOLID	9123	4138	540	001754686	2/13/09	ENERGYSOL	3/18/09
10298	CAS-11023	CS	EMPTY 5 DRUMS/ABSORBENTS	7/4/90	SOLID	88	40	7.4	001754693	2/13/09	ENERGYSOL	2/25/09

Table B.8. PCB Waste Disposed in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOL (FT3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE
10298	CAS-11025	CS	EMPTY 5 GAL DRUMS/ABSORBENTS	7/4/90	SOLID	87	39	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
103379	103379-01	CS	PPE, OIL ABSORBENT PADS, RAGS, PLASTIC (FROM MAINTENANCE ON VENT DUCTS).	2/20/01	SOLID	88	40	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
103387	103387-01	CS	PPE, RAGS, PADS, MOP HEAD, OIL SOAKED ABSORBENT AND PLASTI FROM TRANSFORMER LEAK SPILL CLEANUP	5/23/01	SOLID	130	59	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
103962	103962-01	CS	RAGS, PIGS, PADS, PPE	1/25/01	SOLID	83	38	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
106326	106326-01	CS	OILY PADS, PPE, RAGS, GLOVES	12/4/02	SOLID	132	60	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
10850	CAS-11056	CS	TRASH,OIL SOAKED PADS, & PILLOWS	11/18/90	SOLID	99	45	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
108990	108990-01	CS	PCB SOLIDS FROM WORK ON C-337 2-1-A, 2-1-B (REPAIR OF TRANSFORMERS ASSOCIATED WITH NON-GASKET SPILLS 798 AND 801, RESPECTIVELY). (PADS, RAGS, PIGS, ETC)	1/3/08	SOLID	106	48	7.4	001754693	2/13/09	ENERGYSOL	2/25/09

Table B.8. PCB Waste Disposed in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOL (FT3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE
108990	108990-02	CS	PCB SOLIDS FROM WORK ON C-337 2-1-A, 2-1-B (REPAIR OF TRANSFORMERS ASSOCIATED WITH NON-GASKET SPILLS 798 AND 801, RESPECTIVELY). (PADS, RAGS, PIGS, ETC)	1/3/08	SOLID	96	44	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
108990	108990-03	CS	PCB SOLIDS FROM WORK ON C-337 2-1-A, 2-1-B (REPAIR OF TRANSFORMERS ASSOCIATED WITH NON-GASKET SPILLS 798 AND 801, RESPECTIVELY). (PADS, RAGS, PIGS, ETC)	1/3/08	SOLID	85	39	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
108990	108990-04	CS	PCB SOLIDS FROM WORK ON C-337 2-1-A, 2-1-B (REPAIR OF TRANSFORMERS ASSOCIATED WITH NON-GASKET SPILLS 798 AND 801, RESPECTIVELY). (PADS, RAGS, PIGS, ETC)	1/18/08	SOLID	128	58	7.4	001754693	2/13/09	ENERGYSOL	2/25/09

Table B.8. PCB Waste Disposed in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOL (FT3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE
108990	108990-05	CS	PCB SOLIDS FROM WORK ON C-337 2-1-A, 2-1-B (REPAIR OF TRANSFORMERS ASSOCIATED WITH NON-GASKET SPILLS 798 AND 801, RESPECTIVELY). (PADS, RAGS, PIGS, ETC)	1/18/08	SOLID	128	58	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
10979	CAS-09491	CS	FLOOR SWEEP	10/13/89	SOLID	453	205	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
10979	CAS-09493	CS	FLOOR SWEEP	10/13/89	SOLID	230	104	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
10979	CAS-09495	CS	FLOOR SWEEP	10/13/89	SOLID	233	106	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
10979	CAS-09497	CS	FLOOR SWEEP	10/13/89	SOLID	262	119	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
10979	CAS-09498	CS	FLOORSWEEP	10/13/89	SOLID	201	91	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
10979	CAS-09500	CS	FLOOR SWEEP	10/13/89	SOLID	261	118	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
10979	CAS-09501	CS	FLOOR SWEEP	10/13/89	SOLID	232	105	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
10988	CAS-09631	CS	FLOOR SWEEP	11/7/89	SOLID	253	115	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
10992	CAS-09473	CS	FLOOR SWEEP	1/3/90	SOLID	388	176	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
11507	CAS-10296	CS	FLOOR SWEEP	3/25/90	SOLID	256	116	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
11526	CAS-10245	CS	FLOOR SWEEP	4/17/90	SOLID	232	105	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
11529	CAS-10171	CS	FLOOR SWEEP	6/7/90	SOLID	245	111	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
11532	CAS-11227	CS	USED FLOOR SWEEP	11/27/90	SOLID	213	97	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
11565	CAS-14105	CS	FLOOR SWEEP	6/4/91	SOLID	178	81	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
11565	CAS-14108	CS	FLOOR SWEEP	6/4/91	SOLID	201	91	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
11565	CAS-14109	CS	FLOOR SWEEP	6/4/91	SOLID	204	93	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
11577	CAS-10398	CS	FLOOR SWEEP	5/11/90	SOLID	230	104	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
11578	CAS-10946	CS	USED FLOOR SWEEP	8/10/90	SOLID	226	103	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
11584	CAS-14059	CS	FLOOR SWEEP/MOPS	5/16/91	SOLID	182	83	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
11606	CAS-10427	CS	PIGS/PADS/RAGS/ETC.	4/3/90	SOLID	110	50	7.4	001754693	2/13/09	ENERGYSOL	2/25/09

Table B.8. PCB Waste Disposed in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOL (FT3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE
11613	CAS-10407	CS	PIGS/PADS/RAGS/ETC.	2/22/90	SOLID	160	73	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
11642	CAS-10378	CS	OIL PADS	7/31/90	SOLID	247	112	11.4	001754693	2/13/09	ENERGYSOL	2/25/09
11664	CAS-11276	CS	OILY PANS, PIGS & TRASH	12/3/90	SOLID	101	46	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
120848	120848-01	CS	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	4/24/07	SOLID	189	86	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
120848	120848-02	CS	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	11/14/07	SOLID	156	71	7.4	001754693	2/13/09	ENERGYSOL	2/25/09

Table B.8. PCB Waste Disposed in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOL (FT3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE
120848	120848-03	CS	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	12/5/07	SOLID	167	76	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
120848	120848-04	CS	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	2/21/08	SOLID	101	46	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
120848	120848-05	CS	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	2/20/08	SOLID	128	58	7.4	001754693	2/13/09	ENERGYSOL	2/25/09

Table B.8. PCB Waste Disposed in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOL (FT3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE
120848	120848-06	CS	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	2/21/08	SOLID	132	60	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
14054	CAS-12748	CS	FLOOR SWEEP	3/26/91	SOLID	122	55	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
2132	CAS-15121	CS	ZORBALL	9/26/89	SOLID	344	156	11.4	001754693	2/13/09	ENERGYSOL	2/25/09
2138	CAS-09505	CS	ZORBALL	11/4/89	SOLID	332	151	11.4	001754693	2/13/09	ENERGYSOL	2/25/09
2150	CAS-10041	CS	ZORBALL	11/4/89	SOLID	411	186	11.4	001754693	2/13/09	ENERGYSOL	2/25/09
23044	CAS-14997	CS	ABSORBENTS/WOOD	10/1/91	SOLID	245	111	11.4	001754693	2/13/09	ENERGYSOL	2/25/09
24388	CAS-15768	CS	BEARINGS/ABSORBENT/TRASH/PPE	7/8/92	SOLID	264	120	11.4	001754693	2/13/09	ENERGYSOL	2/25/09
40854	40854-01	CS	PPE/RAGS	4/8/96	SOLID	62	28	4	001754693	2/13/09	ENERGYSOL	2/25/09
5167	CAS-12674	CS	FLOOR SWEEP/OILY RAGS	2/19/91	SOLID	316	143	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
5360	CAS-09604	CS	ZORBALL	9/19/89	SOLID	418	190	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
5361	CAS-09603	CS	OIL SOAKED ZORBALL	12/16/88	SOLID	421	191	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
5387	CAS-10084	CS	ABSORBENT PADS	10/26/88	SOLID	172	78	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
5643	CAS-14716	CS	FLOOR SWEEP	4/3/90	SOLID	190	86	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
5714	CAS-06303	CS	ZORBALL	12/13/88	SOLID	327	148	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
5722	CAS-08584	CS	ZORBALL	3/20/89	SOLID	412	187	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
5722	CAS-08585	CS	ZORBALL	3/20/89	SOLID	331	150	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
5722	CAS-08586	CS	ZORBALL	3/20/89	SOLID	353	160	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
5722	CAS-08587	CS	ZORBALL	3/20/89	SOLID	256	116	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
5722	CAS-15208	CS	ZORBALL	3/20/89	SOLID	386	175	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
6616	CAS-06343	CS	FLOOR SWEEP	6/23/88	SOLID	222	101	7.4	001754693	2/13/09	ENERGYSOL	2/25/09

Table B.8. PCB Waste Disposed in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOL (FT3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE
7266	CAS-10723	CS	ABSORBENT PADS	9/19/89	SOLID	176	80	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
7361	CAS-08274	CS	ZORBALL	10/26/88	SOLID	358	162	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
7373	CAS-06237	CS	ZORBALL	10/18/88	SOLID	121	55	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
7726	CAS-08462	CS	FLOOR SWEEP	3/29/89	SOLID	238	108	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
7726	CAS-08463	CS	FLOORSWEEP PVC	3/29/89	SOLID	218	99	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
8005	CAS-14448	CS	PIPE/TUBING/FIBER GLASS/PADS	8/8/91	SOLID	136	62	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
8114	CAS-15135	CS	ZORBALL	3/19/89	SOLID	448	203	11.4	001754693	2/13/09	ENERGYSOL	2/25/09
8114	CAS-15137	CS	ZORBALL	3/19/89	SOLID	280	127	11.4	001754693	2/13/09	ENERGYSOL	2/25/09
8114	CAS-15138	CS	ZORBALL	3/19/89	SOLID	453	205	11.4	001754693	2/13/09	ENERGYSOL	2/25/09
9235	CAS-10153	CS	ZORBALL	10/3/89	SOLID	500	227	11.4	001754693	2/13/09	ENERGYSOL	2/25/09
9244	CAS-09697	CS	OILY ZORBALL	10/26/89	SOLID	311	141	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
9245	CAS-08746	CS	ZORBALL	9/7/89	SOLID	364	165	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
9288	CAS-09663	CS	OILY ZORBALL/PADS/TR ASH	12/31/89	SOLID	100	45	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
9288	CAS-09664	CS	OILY ZORBALL/PADS/TR ASH	12/31/89	SOLID	100	45	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
9288	CAS-09665	CS	OILY ZORBALL/PADS/TR ASH	12/31/89	SOLID	130	59	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
9288	CAS-09669	CS	OILY ZORBALL/PADS/TR ASH	12/31/89	SOLID	120	54	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
9291	CAS-09689	CS	ABSORBANT PADS/PIGS	9/7/89	SOLID	114	52	7.4	001754693	2/13/09	ENERGYSOL	2/25/09
10931	CAS-15281	CS	ZORBALL	12/18/89	SOLID	254	115	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
10931	CAS-15282	CS	ZORBALL	12/18/89	SOLID	252	114	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
10931	CAS-15283	CS	ZORBALL	12/18/89	SOLID	189	86	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
10931	CAS-15284	CS	FLOOR SWEEP	12/18/89	SOLID	210	95	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
10931	CAS-15285	CS	FLOOR SWEEP/TRASH	12/18/89	SOLID	264	120	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
10931	CAS-15286	CS	ZORBALL	12/18/89	SOLID	180	82	7.4	001754694	2/24/09	ENERGYSOL	3/10/09

Table B.8. PCB Waste Disposed in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOL (FT3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE
10931	CAS-15287	CS	ZORBALL	12/18/89	SOLID	200	91	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
10931	CAS-15288	CS	ZORBALL	12/18/89	SOLID	255	116	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
10931	CAS-15289	CS	ZORBALL	12/18/89	SOLID	254	115	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
10931	CAS-15290	CS	ZORBALL	12/18/89	SOLID	234	106	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
10931	CAS-15291	CS	ZORBALL	12/18/89	SOLID	208	94	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
10978	CAS-15247	CS	FLOOR SWEEP	9/26/89	SOLID	221	100	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
10978	CAS-15250	CS	FLOOR SWEEP	9/26/89	SOLID	297	135	11.4	001754694	2/24/09	ENERGYSOL	3/10/09
10978	CAS-15251	CS	FLOOR SWEEP	9/26/89	SOLID	226	103	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
10978	CAS-15252	CS	FLOOR SWEEP	9/26/89	SOLID	296	134	11.4	001754694	2/24/09	ENERGYSOL	3/10/09
10978	CAS-15253	CS	FLOOR SWEEP	9/26/89	SOLID	319	145	11.4	001754694	2/24/09	ENERGYSOL	3/10/09
10978	CAS-15254	CS	FLOOR SWEEP	9/26/89	SOLID	230	104	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
10978	CAS-15256	CS	FLOOR SWEEP	9/26/89	SOLID	226	103	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
11560	CAS-12907	CS	FLOOR SWEEP/MOPS	4/4/91	SOLID	202	92	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
11560	CAS-12908	CS	FLOOR SWEEP/MOPS	4/4/91	SOLID	246	112	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
11560	CAS-12909	CS	FLOOR SWEEP/MOPS	4/4/91	SOLID	208	94	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
11561	CAS-12880	CS	FLOOR SWEEP/MOPS	4/9/91	SOLID	160	73	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
11561	CAS-12881	CS	FLOOR SWEEP/MOPS	4/9/91	SOLID	206	93	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
11561	CAS-12882	CS	FLOOR SWEEP/MOPS	4/9/91	SOLID	194	88	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
11561	CAS-12883	CS	FLOOR SWEEP/MOPS	4/9/91	SOLID	206	93	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
11562	CAS-12935	CS	FLOOR SWEEP/MOPS	4/11/91	SOLID	196	89	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
11562	CAS-12936	CS	FLOOR SWEEP/MOPS	4/11/91	SOLID	178	81	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
11562	CAS-12938	CS	FLOOR SWEEP/MOPS	4/11/91	SOLID	194	88	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
11562	CAS-12939	CS	FLOOR SWEEP/MOPS	4/11/91	SOLID	174	79	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
18307	CAS-15189	CS	FLOOR SWEEP	5/10/91	SOLID	144	65	7.4	001754694	2/24/09	ENERGYSOL	3/10/09

Table B.8. PCB Waste Disposed in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOL (FT3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE
3637	CAS-15092	CS	ZORBALL	12/27/88	SOLID	311	141	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
4750	CAS-15086	CS	FLOOR SWEEP	7/12/89	SOLID	192	87	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
4750	CAS-15087	CS	FLOOR SWEEP	7/12/89	SOLID	181	82	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
4750	CAS-15088	CS	FLOOR SWEEP	7/12/89	SOLID	237	108	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
4750	CAS-15237	CS	FLOOR SWEEP	7/12/89	SOLID	222	101	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
4750	CAS-15238	CS	FLOOR SWEEP	7/12/89	SOLID	234	106	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
4750	CAS-15239	CS	FLOOR SWEEP	7/12/89	SOLID	221	100	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
4750	CAS-15240	CS	FLOOR SWEEP	8/25/89	SOLID	247	112	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
4750	CAS-15241	CS	FLOOR SWEEP	8/25/89	SOLID	219	99	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
4750	CAS-15242	CS	FLOOR SWEEP	8/25/89	SOLID	219	99	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
4752	CAS-14156	CS	FLOOR SWEEP	8/24/89	SOLID	212	96	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
4752	CAS-14157	CS	FLOOR SWEEP	8/24/89	SOLID	220	100	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
5643	CAS-14718	CS	FLOOR SWEEP	4/3/90	SOLID	392	178	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
7727	CAS-14642	CS	FLOOR SWEEP	1/6/89	SOLID	247	112	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
7727	CAS-14643	CS	FLOOR SWEEP	1/6/89	SOLID	225	102	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
7727	CAS-14644	CS	FLOOR SWEEP	1/6/89	SOLID	190	86	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
7727	CAS-14645	CS	FLOOR SWEEP	1/6/89	SOLID	238	108	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
7727	CAS-14696	CS	FLOOR SWEEP	1/6/89	SOLID	216	98	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
7727	CAS-14697	CS	FLOOR SWEEP	1/6/89	SOLID	224	102	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
7727	CAS-14698	CS	FLOOR SWEEP	1/6/89	SOLID	244	111	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
7727	CAS-14699	CS	FLOOR SWEEP	1/6/89	SOLID	233	106	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
7727	CAS-14700	CS	FLOOR SWEEP	1/6/89	SOLID	257	117	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
7727	CAS-14701	CS	FLOOR SWEEP	1/6/89	SOLID	235	107	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
7745	CAS-15090	CS	ZORBALL	9/5/89	SOLID	211	96	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
7745	CAS-15160	CS	FLOOR SWEEP	10/9/89	SOLID	190	86	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
7745	CAS-15161	CS	FLOOR SWEEP	9/5/89	SOLID	212	96	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
7745	CAS-15162	CS	FLOOR SWEEP	10/9/89	SOLID	171	78	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
7745	CAS-15163	CS	FLOOR SWEEP	9/8/89	SOLID	181	82	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
7749	CAS-14710	CS	FLOOR SWEEP	9/26/89	SOLID	340	154	11.4	001754694	2/24/09	ENERGYSOL	3/10/09
7749	CAS-14711	CS	FLOOR SWEEP	9/26/89	SOLID	123	56	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
7750	CAS-15082	CS	FLOOR SWEEP	9/26/89	SOLID	224	102	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
7750	CAS-15083	CS	FLOOR SWEEP	9/27/89	SOLID	335	152	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
7750	CAS-15084	CS	FLOOR SWEEP	9/27/89	SOLID	217	98	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
7750	CAS-15085	CS	FLOOR SWEEP	9/27/89	SOLID	220	100	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
7750	CAS-15243	CS	FLOOR SWEEP	9/30/89	SOLID	199	90	7.4	001754694	2/24/09	ENERGYSOL	3/10/09

Table B.8. PCB Waste Disposed in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOL (FT3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE
7750	CAS-15244	CS	FLOOR SWEEP	9/30/89	SOLID	196	89	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
7750	CAS-15259	CS	FLOOR SWEEP	9/30/89	SOLID	222	101	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
7750	CAS-15260	CS	FLOOR SWEEP	9/30/89	SOLID	234	106	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
7750	CAS-15261	CS	FLOOR SWEEP	9/27/89	SOLID	263	119	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
9235	CAS-10152	CS	ZORBALL	10/3/89	SOLID	463	210	7.4	001754694	2/24/09	ENERGYSOL	3/10/09
10831	CAS-10959	CS	OIL SOAKED PADDING & PIG PANS	8/3/90	SOLID	88	40	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
10839	CAS-10836	CS	WASTE PADS, PIGS & ZORBALL	9/5/90	SOLID	78	35	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
10839	CAS-10840	CS	WASTE PADS, PIGS & ZORBALL	9/5/90	SOLID	97	44	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
10998	CAS-09850	CS	FLOOR SWEEP	2/1/90	SOLID	282	128	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
10998	CAS-09852	CS	FLOOR SWEEP	2/1/90	SOLID	300	136	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
10998	CAS-09853	CS	FLOOR SWEEP	2/1/90	SOLID	238	108	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
10998	CAS-09854	CS	FLOOR SWEEP	2/1/90	SOLID	263	119	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
10998	CAS-09855	CS	FLOOR SWEEP	2/1/90	SOLID	359	163	11.4	001754695	2/24/09	ENERGYSOL	3/10/09
10998	CAS-09858	CS	FLOOR SWEEP	2/1/90	SOLID	226	103	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
10998	CAS-09859	CS	FLOOR SWEEP	2/1/90	SOLID	260	118	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
11563	CAS-12941	CS	FLOOR SWEEP/MOPS	4/16/91	SOLID	194	88	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
11563	CAS-12942	CS	FLOOR SWEEP/MOPS	4/16/91	SOLID	193	88	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
11563	CAS-12943	CS	FLOOR SWEEP/MOPS	4/16/91	SOLID	191	87	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
11606	CAS-10395	CS	PADS	4/3/90	SOLID	106	48	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
11606	CAS-10425	CS	PADS	4/3/90	SOLID	104	47	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
11606	CAS-10426	CS	PADS	4/3/90	SOLID	117	53	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
11662	CAS-11207	CS	OILY PANS, PIGS & TRASH	11/22/90	SOLID	102	46	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
13851	CAS-11199	CS	FLOOR SWEEP	7/18/89	SOLID	237	108	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
15226	CAS-14237	CS	FLOOR SWEEP	6/6/91	SOLID	192	87	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
15606	CAS-10161	CS	CLEAN-UP, ZORBALL, RAGS, GLOVES	6/14/90	SOLID	125	57	7.4	001754695	2/24/09	ENERGYSOL	3/10/09

Table B.8. PCB Waste Disposed in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOL (FT3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE
15607	CAS-10162	CS	ZORBALL, RAGS, GLOVES	6/14/90	SOLID	439	199	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
16650	CAS-15293	CS	FLOOR SWEEP	2/6/90	SOLID	375	170	11.4	001754695	2/24/09	ENERGYSOL	3/10/09
16650	CAS-15294	CS	FLOOR SWEEP	2/6/90	SOLID	275	125	11.4	001754695	2/24/09	ENERGYSOL	3/10/09
16650	CAS-15295	CS	FLOOR SWEEP	2/6/90	SOLID	400	181	11.4	001754695	2/24/09	ENERGYSOL	3/10/09
44495	CAS-17528	CS	RAGS/ZORBALL	12/12/94	SOLID	142	64	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
5694	CAS-15279	CS	FLOOR SWEEEP	7/26/89	SOLID	372	169	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
7739	CAS-08581	CS	SWEEPING COMPOUND	3/16/89	SOLID	193	88	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
7741	CAS-15089	CS	FLOOR SWEEP	4/18/89	SOLID	215	98	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
7741	CAS-15098	CS	FLOOR SWEEP	4/18/89	SOLID	213	97	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
9235	CAS-10155	CS	ZORBALL	10/3/89	SOLID	363	165	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
9239	CAS-08749	CS	OILY ZORBALL	10/16/89	SOLID	387	176	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
9245	CAS-08747	CS	ZORBALL/RAGS/PADS	11/1/89	SOLID	104	47	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
9245	CAS-08751	CS	ZORBALL/RAGS/PADS	11/1/89	SOLID	131	59	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
9245	CAS-08752	CS	ZORBALL/RAGS/PADS	11/1/89	SOLID	134	61	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
9288	CAS-09645	CS	OILY ZORBALL/PADS/TRASH	12/31/89	SOLID	130	59	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
9288	CAS-09653	CS	OILY ZORBALL/PADS/TRASH	12/31/89	SOLID	185	84	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
9288	CAS-09655	CS	OILY ZORBALL/PADS/TRASH	12/31/89	SOLID	185	84	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
9288	CAS-09656	CS	OILY ZORBALL/PADS/TRASH	12/31/89	SOLID	185	84	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
9288	CAS-09680	CS	OILY ZORBALL/PADS/TRASH	12/31/89	SOLID	181	82	7.4	001754695	2/24/09	ENERGYSOL	3/10/09

Table B.8. PCB Waste Disposed in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOL (FT3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE
9288	CAS-09685	CS	OILY ZORBALL/PADS/TRASH	12/31/89	SOLID	100	45	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
9295	CAS-09876	CS	ZORBALL	1/28/90	SOLID	492	223	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
9295	CAS-09877	CS	ZORBALL	1/28/90	SOLID	484	220	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
9802	CAS-15292	CS	FLOOR SWEEP	8/22/89	SOLID	250	113	7.4	001754695	2/24/09	ENERGYSOL	3/10/09
125055	125055-01	CS	PCB/HAZ/ POTENTIAL ASBESTOS CONTAMINATED LIGHT FIXTURE	11/6/02	SOLID	17	8	0.67	001754699	3/13/09	ENERGYSOL	4/28/09
125089	125089-01	CS	PPE, BCS WASTE, PLASTIC, AND TOOLS FROM TCE OILY SLUDGE PROJECT REMOVED FROM 125086-01.	7/12/89	SOLID	826	375	90	001754701	3/27/09	ENERGYSOL	6/11/09
104931	104931-02	CS	PCB CONTAMINATED DEBRIS: PPE, CUT UP WOOD FROM PALLETS AND PLYWOOD RAGS CONTAMINATED WITH SOY GOLD AND 409. PCB-704, SPILL CLEAN UP OF LEAKING DRUM RFD 13065 (CAS-1236).	3/27/02	SOLID	154	70	7.4	001754704	3/31/09	ENERGYSOL	4/28/09

Table B.8. PCB Waste Disposed in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOL (FT3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE
107727	107727-01	CS	BCS WASTE (PAPER, PLASTIC, PPE, PIGS, PADS...) FROM AGREED ORDER SAMPLING.	6/3/04	SOLID	105	48	7.4	001754704	3/31/09	ENERGYSOL	4/28/09
109157	109157-01	CS	BCS SAMPLING DEBRIS - PPE, PLASTIC, PADS, GLASS	6/12/08	SOLID	127	58	7.4	001754704	3/31/09	ENERGYSOL	4/28/09
109162	109162-01	CS	PPE/SAMPLING DEBRIS FROM TSCAL07-01 PROJECT	2/27/08	SOLID	90	41	7.4	001754704	3/31/09	ENERGYSOL	4/28/09
109163	109163-01	CS	PPE/SAMPLING DEBRIS FROM TSCAL07-01 PROJECT	2/27/08	SOLID	115	52	7.4	001754704	3/31/09	ENERGYSOL	4/28/09
113891	113891-01	CS	PPE/PLASTIC/PADS/ RAGS GENERATED FROM SHIPMENT OF TSCAL05-02 (638-01R). RAGS FOUND FROM 109738-01 FOUND AFTER PUMPING.	10/10/07	SOLID	162	73	7.4	001754704	3/31/09	ENERGYSOL	4/28/09
113891	113891-02	CS	PPE/PLASTIC/PADS/ RAGS GENERATED FROM SHIPMENT OF TSCAL05-02 (638-01R). RAGS FOUND FROM 109738-01 FOUND AFTER PUMPING.	10/10/07	SOLID	75	34	7.4	001754704	3/31/09	ENERGYSOL	4/28/09

Table B.8. PCB Waste Disposed in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOL (FT3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE
113891	113891-03	CS	PPE/PLASTIC/PADS/ RAGS GENERATED FROM SHIPMENT OF TSCAL05-02 (638-01R). RAGS FOUND FROM 109738-01 FOUND AFTER PUMPING.	10/10/07	SOLID	85	39	7.4	001754704	3/31/09	ENERGYSOL	4/28/09
113891	113891-04	CS	PPE/PLASTIC/PADS/ RAGS GENERATED FROM SHIPMENT OF TSCAL05-02 (638-01R). RAGS FOUND FROM 109738-01 FOUND AFTER PUMPING.	10/10/07	SOLID	140	64	7.4	001754704	3/31/09	ENERGYSOL	4/28/09
104985	104985-01	CS	COMBUSTIBLE SOLID LAB WASTE; PREDOMINATELY HEXANES AND ACETONE CONTAMINATED.	8/15/06	SOLID	10	5	0.67	001754706	3/31/09	ENERGYSOL	4/28/09
109654	109654-01	CS	SEALAND OF DRUMS OF PCB CONTAMINATED WOOD FROM PROJECT 08WOOD-MISC	5/9/88	SOLID	13638	6186	540	001754730	5/22/09	ENERGYSOL	6/19/09
103952	103952-01	CS	>50PPM PCB SOLID WASTE; OILY RAGS, PIGS, PADS, BUCKETS, ETC.	8/30/00	SOLID	70	32	7.4	001754743	7/14/09	ENERGYSOL	8/19/09
11097	CAS-14969	CS	PLASTIC/PPE/ZORB ALL	3/6/92	SOLID	205	93	11.4	001754743	7/14/09	ENERGYSOL	8/19/09

Table B.8. PCB Waste Disposed in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOL (FT3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE
116959	116959-01	CS	PCB SOLIDS (PPE, ABSORBENT PADS, ETC...)	9/11/07	SOLID	13	6	0.67	001754743	7/14/09	ENERGYSOL	8/19/09
13851	CAS-11198	CS	FLOOR SWEEP	7/18/89	SOLID	237	108	7.4	001754743	7/14/09	ENERGYSOL	8/19/09
13887	CAS-13028	CS	ABSORBENTS - SPILL CLEANUP	5/14/91	SOLID	130	59	7.4	001754743	7/14/09	ENERGYSOL	8/19/09
17525	CAS-14682	CS	PLASTIC, PADS, RAGS	7/29/91	SOLID	141	64	7.4	001754743	7/14/09	ENERGYSOL	8/19/09
18307	CAS-15165	CS	OILY RAGS	5/10/91	SOLID	281	127	11.4	001754743	7/14/09	ENERGYSOL	8/19/09
18307	CAS-15166	CS	OILY RAGS	5/10/91	SOLID	81	37	7.4	001754743	7/14/09	ENERGYSOL	8/19/09
18488	CAS-15226	CS	PPE/PLASTIC/ABSORBENTS/SAWDUST	4/1/92	SOLID	208	94	11.4	001754743	7/14/09	ENERGYSOL	8/19/09
50327	CAS-18101	CS	OILY RAGS/SCRUB PADS	1/20/95	SOLID	276	125	11.4	001754743	7/14/09	ENERGYSOL	8/19/09
8864	CAS-11300	CS	ZORBAL, OILY RAGS	12/6/90	SOLID	269	122	11.4	001754743	7/14/09	ENERGYSOL	8/19/09
9844	CAS-14325	CS	ZORBALL	12/11/90	SOLID	407	185	7.4	001754743	7/14/09	ENERGYSOL	8/19/09
9844	CAS-14326	CS	RFD HAD WASTE OIL, WAS ZORBALL	12/11/90	SOLID	663	301	7.4	001754743	7/14/09	ENERGYSOL	8/19/09
13530	CAS-10128	CS	VACUUM CLEANER DUST/C400 OLD VAC/METAL SLAG	6/14/90	SOLID	374	170	11.4	001754748	7/17/09	ENERGYSOL	8/19/09
101022	101022-01	CS	FILTERS/ABSORBENTS/PPE	11/3/98	SOLID	222	101	11.4	001754751	7/24/09	ENERGYSOL	8/19/09
13890	CAS-14146	CS	FLOOR SWEEP	6/10/91	SOLID	104	47	7.4	001754751	7/24/09	ENERGYSOL	8/19/09
13890	CAS-14149	CS	FLOOR SWEEP	6/10/91	SOLID	96	44	7.4	001754751	7/24/09	ENERGYSOL	8/19/09
13890	CAS-14162	CS	FLOOR SWEEP	6/10/91	SOLID	219	99	7.4	001754751	7/24/09	ENERGYSOL	8/19/09
108954	108954-01	CS	OIL FILTERS FROM HILCO FILTER PUMPS (RFD 108951). NO FREE LIQUIDS. METAL FRAMED FILTERS.	7/25/06	SOLID	489	222	11.4	001754753	8/7/09	ENERGYSOL	8/19/09

Table B.8. PCB Waste Disposed in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOL (FT3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE
13228	CAS-11283	CS	RAGS, FILTERS	12/10/90	SOLID	287	130	11.4	001754753	8/7/09	ENERGYSOL	8/19/09
13228	CAS-11284	CS	RAGS, FILTERS	12/10/90	SOLID	203	92	11.4	001754753	8/7/09	ENERGYSOL	8/19/09
13234	CAS-12573	CS	RAGS/FILTERS/GLASS SMPL BOTTLES	2/21/91	SOLID	366	166	11.4	001754753	8/7/09	ENERGYSOL	8/19/09
13234	CAS-12574	CS	RAGS/FILTERS/GLASS SMPL BOTTLES	2/21/91	SOLID	273	124	11.4	001754753	8/7/09	ENERGYSOL	8/19/09
9288	CAS-09660	CS	TRASH PER SAMPLING	12/31/89	SOLID	130	59	7.4	001754759	8/7/09	ENERGYSOL	8/21/09
109659	109659-01	CS	1 ST-90 (IP-2) METAL BOX CONTAINING MISC. RCRA/PCB METAL MACRO DEBRIS	4/6/00	SOLID	2712	1230	90	001754804	10/2/09	ENERGYSOL	10/14/09
100907	100907-01	CS	PAINT CHIPS FROM FLUORINE CELLS	7/8/98	SOLID	93	42	4	00793	3/22/06	PERMA FIX	3/6/09
14687	14687-03	CS	VACUUM DUST	5/3/96	SOLID	933	423	14.8	00793	3/22/06	PERMA FIX	3/6/09
34905	7012	CS	SLUDGE SAMPLES FROM HOT WATER TK	5/22/88	SOLID	55	25	4	00793	3/22/06	PERMA FIX	3/6/09
51424	51424-01	CS	SOLID SAMPLES		SOLID	168	76	7.4	00793	3/22/06	PERMA FIX	3/6/09
53204	53204-01	CS	VACUUM DUST	6/11/96	SOLID	11	5	0.67	00793	3/22/06	PERMA FIX	3/6/09
53204	53204-02	CS	VACUUM DUST SAMPLES	6/11/96	SOLID	10	5	0.67	00793	3/22/06	PERMA FIX	3/6/09
55542	55542-01	CS	SAMPLE RESIDUALS	8/25/97	SOLID	65	29	7.4	00793	3/22/06	PERMA FIX	3/6/09
57482	57482-01	CS	EQUIPMENT (TFE) AUXILIARY	7/2/96	SOLID	2727	1237	96	00793	3/22/06	PERMA FIX	3/6/09

Table B.8. PCB Waste Disposed in 2009 (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOL (FT3)	MANIFEST	SHIP DATE	SHIP LOCATION	DISPOSAL DATE
693	00693 11C	CS	Decon Sludge C-750-C inorganic sludge samples; C746-R Sludge and scab; Filter cake samples C-750-C sludge, C750-C wash pit sludge; CC400 Waste Discard Pit Sludge; C750-C Sludge; C710 Acid Incinerator Sludge.	8/15/89-6/19/2003	SOLID	8422	3820	197.8	00693 11C	6/15/04	ETTP	6/3/09
61906	61906-01	CS	LDR 98007 SEGREGATION SAMPLES	11/10/92	SOLID	306	139	7.4	00793	3/22/06	PERMA FIX	3/6/09

Table B.8. PCB Waste Disposed in 2009 (Continued)

SUMMARY OF PCB WASTE DISPOSED IN 2009

NUMBER OF ITEMS	WASTE ITEM	WASTE ITEM DESCRIPTION	GROSS WT (lbs)	GROSS WT (kg)	NET VOLUME CUBIC FEET (cu. ft.)
0	A	Articles	0	0	0
2	AC Article	Containers	4471	2028	192
0	B	Bulk Liquid (tankers)	0	0	0
39	CL	Containers of Liquids	14959	6785	290
247	CS	Containers of Solids	229068	103905	7665
288		Total	**248498**	**112718**	**8147**

Total Number of Items Disposed in 2009	=	288
Total Gross Wt in Pounds Disposed in 2009	=	248,498
Total Gross Wt in Kilograms Disposed in 2009	=	112,718
Total Net Volume in Cubic Feet Disposed in 2009	=	8,147

Table B.9. 2009 PCB Ending Inventory

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOLUME (ft^3)	FACILITY	SOURCE	WASTE CATEGORY
106744	106744-01	A	PCB Transformer U2C3 "B", drained, GE s/n B983126	11/7/05	SOLID	34500	15649	1297	C-337 USEC GSA	C-337	TM
107839	107839-01	A	PCB Transformer U2C8 "B", drained	6/27/04	SOLID	38000	17237	1440	C-337 USEC GSA	C-337	TM
103244	103244-01	AC	PCB CONTAMINATED LIGHT BALLAST	1/10/01	SOLID	818	371	7.4	C-710	C-710	TM
106749	106749-01	AC	PCB BALLAST DTS 05-05-09	5/5/09	SOLID	545	247	7.4	C-752-A	C-333	TM
108562	108562-01	AC	LIGHT BALLAST DTS 9-5-07	9/5/07	SOLID	571	259	7.4	C-746-Q	C-757	TM
108563	108563-01	AC	PCB BALLAST DTS 10-30-08	10/30/08	SOLID	556	252	7.4	C-752-A	C-337	TM
118328	118328-01	AC	PCB BALLAST DTS 06-27-05	6/27/05	SOLID	564	256	7.4	C-752-A	C-757	TM
118371	118371-01	AC	PCB BALLAST DTS 1-21-09	1/21/09	SOLID	522	237	7.4	C-752-A	C-331	TM
118418	118418-01	AC	BALLASTS AND STARTERS - ORPHANED MATERIAL FOUND IN C-340 COMPLEX. INFORMATION PROVIDED IS BASED ON ORIGINAL LOG SHEET AND COMMUNICATION IDENTIFIED ON OUTSIDE OF CONTAINER. CONTAINER WAS NOT OPENED.	12/8/04	SOLID	203	92	7.4	C-746-Q	C-340	RTM
120402	120402-01	AC	PCB LIGHT BALLASTS - NO-LEAKING	11/9/09	SOLID	42	19	0.67	C-752-A	C-400	TM
120402	120402-02	AC	PCB LIGHT BALLASTS - NO-LEAKING	11/9/09	SOLID	26	12	0.67	C-752-A	C-400	TM
NA	FD-0450	AC	PCB Small Capacitors non-leaking C-410/Sector 4	10/13/2009	SOLID	266	121	7.4	C-410 GSA	C-410	TM
NA	FD-0451	AC	PCB Small Capacitors non-leaking C-410/Sector 4	10/13/2009	SOLID	130	59	7.4	C-410 GSA	C-410	TM
NA	FD-0452	AC	PCB Small Capacitors non-leaking C-410/Sector 4	10/13/2009	SOLID	248	112	7.4	C-410 GSA	C-410	TM
NA	FD-0453	AC	PCB Small Capacitors non-leaking C-410/Sector 4	10/13/2009	SOLID	140	64	7.4	C-410 GSA	C-410	TM
NA	FD-0454	AC	PCB Small Capacitors	10/21/2009	SOLID	246	112	7.4	C-410 GSA	C-410	TM
101680	101680-01	CL	SOLVENT/PCB CONTAMINATED OIL. XYLENE, HEXANE, TOLUENE	3/25/99	LIQUID	5	2	0.67	C-710	C-710	RTM
101684	101684-01	CL	USEC PCB LIQUID LAB WASTE	9/27/99	LIQUID	5	2	0.67	C-710	C-710	RTM
103216	103216-01	CL	PCB/RAD RCRA HAZARDOUS ACETONE/HEXANES LIQUID WASTE	1/14/99	LIQUID	43	20	0.67	C-710	C-710	RTM
103220	103220-01	CL	RCRA / PCB LIQUID LAB WASTE	2/29/00	LIQUID	2	1	0.67	C-710	C-710	RTM
103223	103223-01	CL	PCB CONTAMINATED METHYLENE CHLORIDE LOCATED IN S-709-2	10/5/00	LIQUID	24	11	4	C-710	C-710	RTM
103225	103225-01	CL	USEC lab solutions	3/12/03	LIQUID	45	20	0.67	C-710	C-710	RTM
103241	103241-01	CL	RCRA HAZARDOUS / PCB / RAD. HEXANE RESIDUE LIQUIDS.	5/17/00	LIQUID	4	2	0.67	C-710	C-710	RTM
104001	104001-01	CL	PCB LOW LEVEL RAD NONHAZARDOUS LIQUID	6/1/01	LIQUID	25	11	0.67	C-710	C-710	TM
104001	104001-02	CL	PCB LOW LEVEL RAD NONHAZARDOUS LIQUID	6/13/01	LIQUID	25	11	0.67	C-710	C-710	TM
104004	104004-01	CL	BASIC LAB WASTE	6/27/01	LIQUID	10	5	0.67	C-710	C-710	TM
104005	104005-01	CL	RAD LIQUID. ACIDIC AQUEOUS LAB WASTE	7/19/01	LIQUID	10	5	0.67	C-710	C-710	TM
104012	104012-01	CL	USEC PCB LIQUID LAB WASTE	2/10/03	LIQUID	20	9	0.67	C-710	C-710	RTM
104014	104014-01	CL	USEC PCB LIQUID LAB WASTE	5/16/03	LIQUID	90	41	2	C-710	C-710	TM

Table B.9. 2009 PCB Ending Inventory (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOLUME (ft^3)	FACILITY	SOURCE	WASTE CATEGORY
104016	104016-01	CL	USEC PCB LIQUID LAB WASTE	6/6/03	LIQUID	45	20	0.67	C-710	C-710	TM
104020	104020-01	CL	USEC PCB LIQUID LAB WASTE	8/27/03	LIQUID	60	27	2	C-710	C-710	TM
104023	104023-01	CL	USEC PCB LIQUID LAB WASTE	8/27/03	LIQUID	35	16	0.67	C-710	C-710	RTM
104024	104024-01	CL	USEC PCB LIQUID LAB WASTE	1/7/04	LIQUID	30	14	0.67	C-710	C-710	RTM
104025	104025-01	CL	USEC PCB LIQUID LAB WASTE	3/10/04	LIQUID	45	20	0.67	C-710	C-710	RTM
104952	104952-01	CL	USEC PCB LIQUID LAB WASTE	4/6/06	LIQUID	5	2	0.67	C-710	C-710	RTM
104954	104954-01	CL	USEC PCB LIQUID LAB WASTE	9/27/07	LIQUID	5	2	0.67	C-710	C-710	RTM
104955	104955-01	CL	USEC PCB LIQUID LAB WASTE	1/16/08	LIQUID	5	2	0.67	C-710	C-710	RTM
104956	104956-01	CL	USEC PCB LIQUID LAB WASTE	1/18/08	LIQUID	5	2	0.67	C-710	C-710	RTM
104991	104991-01	CL	USEC PCB LIQUID LAB WASTE	4/18/08	LIQUID	5	2	0.67	C-710	C-710	RTM
104992	104992-01	CL	USEC PCB LIQUID LAB WASTE	11/6/2009	LIQUID	5	2	0.67	C-710	C-710	RTM
107545	107545-01	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	8/4/09	LIQUID	441	200	7.4	C-746-Q	PGDP	RTM
107545	107545-02	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	9/16/09	LIQUID	452	205	7.4	C-746-Q	PGDP	RTM
107545	107545-03	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	10/14/09	LIQUID	457	207	7.4	C-746-Q	PGDP	RTM
107545	107545-04	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	11/4/09	LIQUID	429	195	7.4	C-746-Q	PGDP	RTM
107545	107545-05	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	12/29/09	LIQUID	50	23	7.4	C-746-Q	PGDP	RTM
108900	108900-05	CL	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS.	6/30/09	LIQUID	430	195	7.4	C-746-Q	PGDP	RTM
109630	109630-01	CL	LIQUID MERCURY COLLECTION CONTAINER D009, U151 FROM 120789-01 CONTAINER.	6/25/08	LIQUID	12	5	0.67	C-752-A	C-752-A	RM
109671	109671-01	CL	COLLECTION CONTAINER FOR USED PAH/PCB SOIL ANALYSIS SOLUTION	9/19/08	LIQUID	151	68	7.4	C-733	C-755	RTM
117257	117257-01	CL	55 GALLON COLLECTION CONTAINER OF PCB-CONTAMINATED GASOLINE FROM PCB-CONT. EQUIPMENT IN C-746-A. CONTRACT CLOSURE.	10/1/09	LIQUID	85	39	7.4	C-733	PGDP	RTM
118329	118329-01	CL	PCB OIL. RESIDUALS FOM TESTING OIL FROM PCB TRANSFORMERS IN C-337 DTS 3-6-02	3/6/02	LIQUID	402	182	7.4	C-752-A	C-337	TM
118510	118510-01	CL	RCRA HAZARDOUS LIQUIDS FROM OIL ANALYSIS. RCRA FOR F003, F005, D001. PCB'S PRESENT AT >500 PPM (DATA ATTACHED) AD 8-31-09 TREAT DATE 11-28-09 DTS 9-29-09	9/29/09	LIQUID	42	19	0.67	C-733	C-710	RTM
118526	118526-01	CL	OIL FROM C-620 TRANSFORMER SWI TRAP CHANGER. DTS 9-29-09	9/29/09	LIQUID	405	184	7.4	C-752-A	C-533	TM
118526	118526-02	CL	OIL FROM C-620 TRANSFORMER SWI TRAP CHANGER. DTS 9-29-09	9/29/09	LIQUID	408	185	7.4	C-752-A	C-533	TM

Table B.9. 2009 PCB Ending Inventory (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOLUME (ft^3)	FACILITY	SOURCE	WASTE CATEGORY
118526	118526-03	CL	OIL FROM C-620 TRANSFORMER SWI TRAP CHANGER. DTS 9-29-09	9/29/09	LIQUID	153	69	7.4	C-752-A	C-533	TM
44887	CAL-1642A	CL	EMPTY 55 GALLON DRUM INSIDE OF 85 GALLON OVERPACK	3/15/95	SLUDGE	139	63	11.4	C-746-Q	C-337	TM
9487	09487-05	CS	MOPHEAD, FLOOR DUST, PAPER, EMPTY CAN FROM HOUSEKEEPING ACTIVITIES	8/1/89	SOLID	291	132	11.4	C-746-Q	C-400	RTM
102122	102122-01	CS	PCB/RAD COMBUSTIBLE SOLID	1/23/01	SOLID	20	9	4	C-710	C-710	TM
102136	102136-01	CS	PCB SOLIDS DTS 01-04-00 ASSUMED TO BE FROM VENT DUCTS.	1/4/00	SOLID	82	37	7.4	C-746-Q	C-333	TM
103247	103247-01	CS	PCB HAZARDOUS COMBUSTIBLE LAB WASTE DEBRIS (KIM WIPES, GLOVES, PIPETTES, VIALS, FILTERS)	4/5/01	SOLID	11	5	0.67	C-746-Q	C-710	RTM
103248	103248-01	CS	GLASS	4/5/01	SOLID	20	9	4	C-710	C-710	TM
104002	104002-01	CS	PCB NON HAZARDOUS SAMPLE RESIDUALS	6/1/01	SOLID	250	113	4	C-710	C-710	TM
104006	104006-01	CS	PCB/NON HAZ/COMBUSTIONABLE RAD SOLIDS	7/19/01	SOLID	30	14	4	C-710	C-710	TM
104010	104010-01	CS	PCB HAZARDOUS SAMPLE RESIDUALS	12/18/02	SOLID	15	7	0.67	C-710	C-710	TM
104013	104013-01	CS	USEC PCB SOLID LAB WASTE	3/7/03	SOLID	25	11	0.67	C-710	C-710	RTM
104015	104015-01	CS	USEC PCB SOLID LAB WASTE	5/20/03	SOLID	75	34	4	C-710	C-710	TM
104017	104017-01	CS	USEC PCB SOLID LAB WASTE	7/10/03	SOLID	75	34	4	C-710	C-710	TM
104021	104021-01	CS	USEC PCB SOLID LAB WASTE	8/27/03	SOLID	75	34	4	C-710	C-710	TM
104022	104022-01	CS	USEC PCB SOLID LAB WASTE	8/27/03	SOLID	100	45	4	C-710	C-710	TM
104953	104953-01	CS	USEC PCB SOLID LAB WASTE	9/21/07	SOLID	5	2	0.67	C-710	C-710	RTM
107957	104957-01	CS	USEC PCB SOLID LAB WASTE	8/18/2009	SOLID	5	2	0.67	C-710	C-710	RTM
104976	104976-01	CS	RCRA HAZARDOUS PCB SOLID LAB WASTE. SODIUM SULFATE	1/30/02	SOLID	20	9	0.67	C-710	C-710	RTM
104982	104982-01	CS	USEC PCB SOLID LAB WASTE	6/18/04	SOLID	20	9	0.67	C-710	C-710	RTM
104986	104986-01	CS	USEC PCB SOLID LAB WASTE	8/15/06	SOLID	5	2	0.67	C-710	C-710	RTM
105007	105007-01	CS	PCB SOLID WASTE: PADS, PLASTIC, ABSORBENTS, ETC. (ASSUMED TO BE FROM VENT DUCTS)	1/7/03	SOLID	118	54	7.4	C-746-Q	PGDP	TM
105007	105007-02	CS	PCB SOLID WASTE: PADS, PLASTIC, ABSORBENTS, ETC. (ASSUMED TO BE FROM VENT DUCTS)	1/7/03	SOLID	141	64	7.4	C-746-Q	PGDP	TM
105084	105084-01	CS	PCB SOLIDS FROM CAPACITOR CLEANING (PPE/ MASLIN CLOTHS/RAD BAG/RAGS) (C.R. BAKER IS CONTACT)	6/3/02	SOLID	73	33	7.4	C-752-A	C-337	TM
105084	105084-02	CS	PCB SOLIDS FROM CAPACITOR CLEANING (PPE/ MASLIN CLOTHS/RAD BAG/RAGS) (C.R. BAKER IS CONTACT)	6/3/02	SOLID	82	37	7.4	C-752-A	C-337	TM

Table B.9. 2009 PCB Ending Inventory (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOLUME (ft^3)	FACILITY	SOURCE	WASTE CATEGORY
105084	105084-03	CS	PCB SOLIDS FROM CAPACITOR CLEANING (PPE/ MASLIN CLOTHS/RAD BAG/RAGS) (C.R. BAKER IS CONTACT)	6/3/02	SOLID	85	39	7.4	C-746-Q	C-337	TM
105084	105084-04	CS	PCB SOLIDS FROM CAPACITOR CLEANING (PPE/ MASLIN CLOTHS/RAD BAG/RAGS) (C.R. BAKER IS CONTACT)	6/3/02	SOLID	101	46	7.4	C-752-A	C-337	TM
107157	107157-01	CS	PCB SOLIDS, SST REPAIRS TO VENT DUCTS	9/2/08	SOLID	106	48	7.4	C-746-Q	SST	TM
107157	107157-02	CS	PCB SOLIDS, SST REPAIRS TO VENT DUCTS	10/30/08	SOLID	75	34	7.4	C-746-Q	SST	TM
107546	107546-01	CS	PCB SPILL CLEANUP DEBRIS: PPE, PLASTIC, RAGS/PADS	7/30/09	SLUDGE	106	48	7.4	C-746-Q	PGDP	TM
107546	107546-02	CS	PCB SPILL CLEANUP DEBRIS: PPE, PLASTIC, RAGS/PADS	7/30/09	SLUDGE	109	49	7.4	C-746-Q	PGDP	TM
107546	107546-03	CS	PCB SPILL CLEANUP DEBRIS: PPE, PLASTIC, RAGS/PADS	10/7/09	SLUDGE	98	44	7.4	C-746-Q	PGDP	TM
108552	108552-01	CS	PCB SOLIDS- PADS, PPE, RAGS, MOPHEAD 49891W DTS 6-7-09	6/7/09	SOLID	68	31	7.4	C-752-A	C-337	TM
108560	108560-01	CS	PCB METAL DTS 08-07-09	8/7/09	SOLID	1522	690	90	C-746-Q	C-331	TM
108568	108568-01	CS	PCB SOLIDS FROM SPILL CLEANUP. ASSUMED TO BE FROM VENT DUCTS.	12/17/04	SOLID	101	46	7.4	C-746-Q	C-333	TM
108600	108600-01	CS	PCB SOLIDS (PADS, PPE, PLASTIC) DTS 01-04-00 ASSUMED TO BE FROM VENT DUCT.	1/4/00	SOLID	136	62	7.4	C-746-Q	C-333	TM
108995	108995-01	CS	METAL CONTAMINATED WITH PCBS (LIGHT FIXTURES). DTS 01-30-08	1/30/08	SOLID	1334	605	90	C-753-A	C-333	TM
109605	109605-01	CS	EMPTY DRUMS, CRUSHED	11/12/09	SOLID	15560	7058	690	C-746-A	C-746-B, C-753-A	TM
109605	109605-02	CS	EMPTY DRUMS, CRUSHED	11/16/09	SOLID	17160	7784	690	C-746-A	C-746-B, C-753-A	TM
109605	109605-03	CS	EMPTY DRUMS, CRUSHED	11/16/09	SOLID	14560	6604	690	C-746-A	C-746-B, C-753-A	TM
109605	109605-04	CS	EMPTY DRUMS, CRUSHED	11/16/09	SOLID	14960	6786	690	C-746-A	C-746-B, C-753-A	TM
109605	109605-05	CS	EMPTY DRUMS, CRUSHED	11/20/09	SOLID	17360	7874	690	C-746-A	C-746-B, C-753-A	TM
109605	109605-06	CS	EMPTY DRUMS, CRUSHED	11/23/09	SOLID	15760	7149	690	C-746-A	C-746-B, C-753-A	TM
109605	109605-07	CS	EMPTY DRUMS, CRUSHED	12/3/09	SOLID	19400	8800	690	C-746-A	C-746-B, C-753-A	TM
109605	109605-08	CS	EMPTY DRUMS, CRUSHED	12/9/09	SOLID	19060	8646	690	C-746-A	C-746-B, C-753-A	TM
109605	109605-09	CS	EMPTY DRUMS, CRUSHED	11/25/09	SOLID	18100	8210	690	C-746-A	C-746-B, C-753-A	TM
109667	109667-01	CS	4 BOX'S CONTAINING PCB CONTAMINATED SCRAP METAL. SEE ATTACHED CONTAINER LOG SHEETS.	11/9/89	SOLID	2400	1089	90	C-746-A	C-746-A	TM
109667	109667-02	CS	4 BOX'S CONTAINING PCB CONTAMINATED SCRAP METAL. SEE ATTACHED CONTAINER LOG SHEETS.	2/6/90	SOLID	2337	1060	90	C-746-A	C-746-A	TM

Table B.9. 2009 PCB Ending Inventory (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOLUME (ft^3)	FACILITY	SOURCE	WASTE CATEGORY
109667	109667-03	CS	4 BOX'S CONTAINING PCB CONTAMINATED SCRAP METAL. SEE ATTACHED CONTAINER LOG SHEETS.	11/9/89	SOLID	2395	1086	90	C-746-A	C-746-A	TM
109667	109667-04	CS	4 BOX'S CONTAINING PCB CONTAMINATED SCRAP METAL. SEE ATTACHED CONTAINER LOG SHEETS.	2/6/90	SOLID	1755	796	90	C-746-A	C-746-A	TM
117250	117250-01	CS	5 GAL CONTAINER OF PCB SOLIDS COLLECTION CONTAINER	9/23/09	SOLID	5	2	0.67	C-752-A	C-746-A	TM
117259	117259-01	CS	5 GAL COLLECTION CONTAINER OF RESPIRATOR CARTRIDGES CONTAMINATED WITH PCB'S FROM PCB-CONT EQUIP IN C-746-A.	10/1/09	SOLID	5	2	0.67	C-752-A	C-746-A	RTM
117260	117260-01	CS	55 GAL COLLECTION CONTAINER FOR SEALED LEAD ACID BATTERIES CONTAMINATED WITH PCB'S. CONTRACT CLOSURE	10/1/09	SOLID	55	25	7.4	C-752-A	C-746-B	RTM
118326	118326-01	CS	GLASS AND PLASTIC SAMPLE BOTTLES ASSOCIATED WITH CONSOLIDATION OF RFD 120843-01. ALL CONTAINERS ARE EMPTY, SAMPLES CARRIED CODES FOR D001, D040, F003 AND F005. (RCRA EMPTY) DTS 05-14-07	5/14/07	SOLID	39	18	4	C-753-A	C-757	TM
118330	118330-01	CS	PCB SOLIDS (GLOVES, PPE) FROM C-337, E;ECTRICAL MAINTENANCE ON PCB EQUIPMENT USEC 4436TW	5/6/08	SOLID	164	74	7.4	C-752-A	C-337	TM
118340	118340-01	CS	PLASTIC FROM STAGE MOTORS, REQUIRING DECON OF PCBS PRIOR TO USE. STAGE MOTORS FROM K25 REQUIRE DOUBLE WASH/RINSE AND VERIFICATION SAMPLES PRIOR TO USE. PLASTIC IS USED TO COVER MOTORS MINIMIZING PERSONNEL EXPOSURE TO EXTERIOR SURFACES.	4/29/09	SOLID	78	35	7.4	C-752-A	C-337	TM
118340	118340-02	CS	PLASTIC FROM STAGE MOTORS, REQUIRING DECON OF PCBS PRIOR TO USE. STAGE MOTORS FROM K25 REQUIRE DOUBLE WASH/RINSE AND VERIFICATION SAMPLES PRIOR TO USE. PLASTIC IS USED TO COVER MOTORS MINIMIZING PERSONNEL EXPOSURE TO EXTERIOR SURFACES.	4/29/09	SOLID	80	36	7.4	C-752-A	C-337	TM

Table B.9. 2009 PCB Ending Inventory (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOLUME (ft^3)	FACILITY	SOURCE	WASTE CATEGORY
118340	118340-03	CS	PLASTIC FROM STAGE MOTORS, REQUIRING DECON OF PCBS PRIOR TO USE. STAGE MOTORS FROM K25 REQUIRE DOUBLE WASH/RINSE AND VERIFICATION SAMPLES PRIOR TO USE. PLASTIC IS USED TO COVER MOTORS MINIMIZING PERSONNEL EXPOSURE TO EXTERIOR SURFACES.	4/30/09	SOLID	83	38	7.4	C-752-A	C-337	TM
118340	118340-04	CS	PLASTIC FROM STAGE MOTORS, REQUIRING DECON OF PCBS PRIOR TO USE. STAGE MOTORS FROM K25 REQUIRE DOUBLE WASH/RINSE AND VERIFICATION SAMPLES PRIOR TO USE. PLASTIC IS USED TO COVER MOTORS MINIMIZING PERSONNEL EXPOSURE TO EXTERIOR SURFACES.	4/30/09	SOLID	84	38	7.4	C-752-A	C-337	TM
118340	118340-05	CS	PLASTIC FROM STAGE MOTORS, REQUIRING DECON OF PCBS PRIOR TO USE. STAGE MOTORS FROM K25 REQUIRE DOUBLE WASH/RINSE AND VERIFICATION SAMPLES PRIOR TO USE. PLASTIC IS USED TO COVER MOTORS MINIMIZING PERSONNEL EXPOSURE TO EXTERIOR SURFACES.	4/30/09	SOLID	85	39	7.4	C-752-A	C-337	TM
118341	118341-01	CS	PCB SOLIDS - ROUTINE SPILL CLEANUP AND ELECTRICAL MAINTENANCE ACTIVITIES	6/18/09	SOLID	107	49	7.4	C-752-A	C-337	TM
118342	118342-01	CS	PCB SOLIDS - ASSOCIATED WITH PCB GASKET SPILL 1881 (SEE ATTACHED EMAIL) B25 CONTAINES 2 CLOTHING BINS AND PPE, CONTAMINATED WITH OIL FROM DUCTWORK	6/18/09	SOLID	1096	497	90	C-746-Q	C-337	TM
118347	118347-01	CS	PCB SOLIDS, GENERATED FROM ELETRICAL MAINTENANCE. (PPE, PADS) DTS 11-24-09	11/24/09	SOLID	51	23	4	C-746-Q	C-337	TM
118348	118348-01	CS	ASBESTOS TAPE FROM BUSS JOINT ON 1-7-A TRANSFORMER. TAPE IS SOAKED WITH PCB OIL FROM NON-GASKET SPILL #822. NO FREE LIQUIDS PRESENT.	7/8/09	SOLID	106	48	7.4	C-752-A	C-337	TM
118358	118358-01	CS	PCB CONTAMINATED METAL (STAIRED LIGHT FIXTURES) DTS 06-09-09	6/9/09	SOLID	1289	585	7.4	C-746-Q	C-333	TM
118501	118501-01	CS	SOIL AND SEDIMENT FROM TRENCH, IN C-337-A. *SAMPLE LEFTOVERS FROM USR-2760 AND USR2760R. ORIGINAL TRANSFERRED TO DOE SPACE UNDER RFD 118374.	4/21/09	SOLID	10	5	0.67	C-752-A	C-337-A	TM

Table B.9. 2009 PCB Ending Inventory (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOLUME (ft^3)	FACILITY	SOURCE	WASTE CATEGORY
118506	118506-01	CS	PCB-SOLIDS - GENERATED DURING CLEANOUT OF ELECTRICAL MAINTENANCE CAGE. CONSISTS OF TUBING, FITTINGS, RAGS, ABSORBENTS, PPE, ETC (NO FREE LIQUIDS) DTS 9-29-09	9/29/09	SOLID	142	64	7.4	C-752-A	C-337	TM
118506	118506-02	CS	PCB-SOLIDS - GENERATED DURING CLEANOUT OF ELECTRICAL MAINTENANCE CAGE. CONSISTS OF TUBING, FITTINGS, RAGS, ABSORBENTS, PPE, ETC (NO FREE LIQUIDS) DTS 9-29-09	9/29/09	SOLID	120	54	7.4	C-752-A	C-337	TM
118507	118507-01	CS	SAMPLE RESIDUALS FROM ANALYSIS OF RFD 104985. ONE 500 ML PLASTIC CONTAINER IN 5 GALLON UN1A2 CONTAINER. SAMPLE RESIDUAL LAB WASTE - KIMWIPES, PIPETTES, SYRINGES, GLOVES, ETC.	9/11/09	SOLID	6	3	0.67	C-752-A	C-710	RTM
120127	120127-01	CS	ER SPILL CLEANUP	12/4/08	SOLID	14	6	0.67	C-753-A	C-755	TM
120289	120289-01	CS	SOIL SAMPLE RESIDUALS, SOIL, PLASTIC, GLASS FROM SOIL PILES. LOCATED AT C-760 {-01, -02, -03} LOCATED AT C-755 {-04, -05, -06}	10/22/08	SOLID	128	58	7.4	C-752-A	C-755	TM
120289	120289-02	CS	SOIL SAMPLE RESIDUALS, SOIL, PLASTIC, GLASS FROM SOIL PILES. LOCATED AT C-760 {-01, -02, -03} LOCATED AT C-755 {-04, -05, -06}	11/26/08	SOLID	286	130	7.4	C-752-A	C-755	TM
120289	120289-03	CS	SOIL SAMPLE RESIDUALS, SOIL, PLASTIC, GLASS FROM SOIL PILES. LOCATED AT C-760 {-01, -02, -03} LOCATED AT C-755 {-04, -05, -06}	12/8/08	SOLID	340	154	7.4	C-752-A	C-755	TM
120289	120289-04	CS	SOIL SAMPLE RESIDUALS, SOIL, PLASTIC, GLASS FROM SOIL PILES. LOCATED AT C-760 {-01, -02, -03} LOCATED AT C-755 {-04, -05, -06}	5/27/09	SOLID	274	124	7.4	C-752-A	C-755	TM
120289	120289-05	CS	SOIL SAMPLE RESIDUALS, SOIL, PLASTIC, GLASS FROM SOIL PILES. LOCATED AT C-760 {-01, -02, -03} LOCATED AT C-755 {-04, -05, -06}	6/18/09	SOLID	216	98	7.4	C-752-A	C-755	TM
120289	120289-06	CS	SOIL SAMPLE RESIDUALS, SOIL, PLASTIC, GLASS FROM SOIL PILES. LOCATED AT C-760 {-01, -02, -03} LOCATED AT C-755 {-04, -05, -06}	9/23/09	SOLID	394	179	7.4	C-752-A	C-755	TM
120380	120380-01	CS	SOIL FROM SWOU OUTFALL -010 (PCB CONTAMINATED SOIL)	11/30/09	SOLID	43060	19532	690	C-759	OUTFALL 10	TM
120380	120380-02	CS	SOIL FROM SWOU OUTFALL -010 (PCB CONTAMINATED SOIL)	11/30/09	SOLID	43220	19605	690	C-759	OUTFALL 10	TM
120380	120380-03	CS	SOIL FROM SWOU OUTFALL -010 (PCB CONTAMINATED SOIL)	12/1/09	SOLID	34420	15613	690	C-753-A	OUTFALL 10	TM
120380	120380-04	CS	SOIL FROM SWOU OUTFALL -010 (PCB CONTAMINATED SOIL)	12/3/09	SOLID	41880	18997	690	C-759	OUTFALL 10	TM

Table B.9. 2009 PCB Ending Inventory (Continued)

RFD	WASTE ID	PCB ITEM	DESCRIPTION	PCB DATE	PHYSICAL	GROSS WT (LBS)	GROSS WT (KG)	NET VOLUME (ft^3)	FACILITY	SOURCE	WASTE CATEGORY
120380	120380-05	CS	SOIL FROM SWOU OUTFALL -010 (PCB CONTAMINATED SOIL)	12/7/09	SOLID	42400	19233	690	C-759	OUTFALL 10	TM
120845	120845-01	CS	PCB METAL	5/28/08	SOLID	2084	945	90	C-746-Q	C-337	TM
120847	120847-01	CS	PCB METAL	10/1/07	SOLID	1227	557	90	C-746-Q	C-335	TM
135			**Total**			**461720**	**209436**	**13725.06**			

Table B.9. 2009 PCB Ending Inventory (Continued)

SUMMARY OF ENDING INVENTORY

NUMBER OF ITEMS	WASTE ITEM	WASTE ITEM DESCRIPTION	GROSS WT (lb)	GROSS WT (kg)	NET VOLUME CUBIC FEET (cu. ft.)
2	A	Articles	72500	32886	2737
14	AC Article	Containers	4877	2213	90.14
0	B	Bulk Liquid (tankers)	0	0	0
39	CL	Containers of Liquids	4582	2080	123.61
80	CS	Containers of Solids	379735	172248	10774.31
135			**461694**	**209427**	**13725**

Total Number of PCB Items Remaining as of 31 December 2009	=	135
Total Gross Wt in Pounds Remaining as of 31 December 2009	=	461,694
Total Gross Wt in Kilograms Remaining as of 31 December 2009	=	209,427
Total Net Volume in Cubic Feet Remaining as of 31 December 2009	=	13,725

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APPENDIX C

PCB WASTE SHIPMENT MANIFESTS

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Table C.1. Summary of PCB Waste Shipped for Disposal in CY 2009

Ship Location	Manifest	No of Containers	Weight (kg)
Energy*Solutions*	001754683JJK	1	8809
Energy*Solutions*	001754684JJK	1	8909
Energy*Solutions*	001754685JJK	1	9389
Energy*Solutions*	001754686JJK	1	7003
Energy*Solutions*	001754693JJK	77	7789
Energy*Solutions*	001754694JJK	1	9471
Energy*Solutions*	001754695JJK	1	7566
Energy*Solutions*	001754697JJK	2	1419
Energy*Solutions*	001754699JJK	1	8
Energy*Solutions*	001754701JJK	1	375
Energy*Solutions*	001754703JJK	1	1113
Energy*Solutions*	001754704JJK	9	478
Energy*Solutions*	001754706JJK	1	10
DSSI	001754709JJK	16	3292
Energy*Solutions*	001754713JJK	1	7593
Energy*Solutions*	001754714JJK	1	5779
Energy*Solutions*	001754715JJK	1	7203
Energy*Solutions*	001754716JJK	1	6096
Energy*Solutions*	001754717JJK	1	6278
Energy*Solutions*	001754718JJK	1	6187
Energy*Solutions*	001754719JJK	1	5670
Energy*Solutions*	001754720JJK	1	5996
Energy*Solutions*	001754721JJK	93	6874
Energy*Solutions*	001754722JJK	1	9861
Energy*Solutions*	001754723JJK	1	10814
Energy*Solutions*	001754724JJK	1	8963
Energy*Solutions*	001754726JJK	8	598
Energy*Solutions*	001754727JJK	1	840
Energy*Solutions*	001754728JJK	1	7384
Energy*Solutions*	001754729JJK	1	907
Energy*Solutions*	001754730JJK	1	6568
Energy*Solutions*	001754732JJK	3	2607
Energy*Solutions*	001754734JJK	2	13236
Energy*Solutions*	001754737JJK	2	13426
Energy*Solutions*	001754743JJK	13	1352
Energy*Solutions*	001754744JJK	1	815
Energy*Solutions*	001754745JJK	2	677
Energy*Solutions*	001754747JJK	13	2285
Energy*Solutions*	001754748JJK	1	170
Energy*Solutions*	001754751JJK	4	291
Energy*Solutions*	001754752JJK	1	3574
Energy*Solutions*	001754753JJK	5	734
Energy*Solutions*	001754756JJK	3	296
Energy*Solutions*	001754758JJK	1	145
Energy*Solutions*	001754759JJK	1	59
Energy*Solutions*	001754760JJK	22	3489
Energy*Solutions*	001754762JJK	1	425
Energy*Solutions*	001754765JJK	4	4745
EnergySolutions	001754769JJK	1	116
Energy*Solutions*	001754770JJK	1	59

Table C.1. Summary of PCB Waste Shipped for Disposal in CY 2009 (Continued)

Ship Location	Manifest	No of Containers	Weight (kg)
Energy*Solutions*	001754771JJK	3	660
Energy*Solutions*	001754772JJK	8	1236
Energy*Solutions*	001754773JJK	1	11421
Energy*Solutions*	001754775JJK	1	9
Energy*Solutions*	001754776JJK	1	10
Energy*Solutions*	001754777JJK	4	625
Energy*Solutions*	001754781JJK	2	3926
Energy*Solutions*	001754783JJK	1	5978
Energy*Solutions*	001754787JJK	3	240
Energy*Solutions*	001754788JJK	23	2009
Energy*Solutions*	001754789JJK	10	953
Energy*Solutions*	001754804JJK	1	1230
Energy*Solutions*	001754807JJK	1	5815
Energy*Solutions*	001754821JJK	1	7203
Energy*Solutions*	001754831JJK	1	6904
Energy*Solutions*	001754832JJK	1	5089
Energy*Solutions*	001754865JJK	1	6214
Energy*Solutions*	001754874JJK	5	379
Energy*Solutions*	001754893JJK	1	4010
Energy*Solutions*	001754904JJK	1	464
Energy*Solutions*	001754908JJK	16	2429
Energy*Solutions*	001754910JJK	1	10
Energy*Solutions*	001754912JJK	2	88
Energy*Solutions*	001754913JJK	1	5634
Totals	74	401	290277
^Manifest indicates container number - WIDS Database did not indicate as repacks.			

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754683 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Paducah & Louisville Railway, Inc

U.S. EPA ID Number
KYD000735845 ~~0515017020161~~ LT 3/8/09

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155

U.S. EPA ID Number
UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Am-241, Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 7963 MBq, Fissile Excepted	1	CM	4561	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Railcar: GBRX20667
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info

PCB Start Date: 03/21/89
If undeliverable, return to generator
Shipment ID: 6202-15-0104

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of US DOE
Signature: Carrie C Maxie
Month/Day/Year: 01/23/09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Carrie Maxie on behalf of P&L
Signature: Carrie C Maxie
Month/Day/Year: 01/23/09

Transporter 2 Printed/Typed Name:
Signature:
Month/Day/Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month/Day/Year

RECEIVED
FEB 15 2009
BY:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Justin Lee
Signature:
Month/Day/Year: 2/9/09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754683JJK

Shipment ID Number: 6202-15-0104

Shipment Date: 1/23/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
120108-08	JINU801211-2	PCB Contaminated Floorsweep and Absorbent	03/21/89	539	19420	8808.72	7963.49
Totals				**539**	**19420**	**8808.72**	**7963.49**

See attached Drum List for specific information for each drum loaded into the bulk container.

Drum List Attachment, Page 3 of 3
Manifest Number: 001754683JJK
Shipment ID Number: 6202-15-0104
Shipment Date: 1/23/2009
Bulk Container ID Number: JINU801211-2

Barcode	WasteID	RFD	Net Vol	Gross Wt	Description	Origin Date	PCB Date
PAD02C17328	CAS-10359	11553	11.4	292	FLOOR SWEEP	5/27/1990	3/6/1990
PAD02C17489	CAS-09667	9288	11.4	215	OILY ZORBALL/PADS/TRASH	12/31/1989	12/31/1989
PAD04C04624	CAS-12510	6739	11.4	247	RAGS, PIGS, CONCRETE/PIGS	3/10/1989	3/27/1991
PAD94C00188	CAS-09728	9480	7.4	282	PADS	7/25/1989	7/25/1989
PAD94C00197	CAS-14371	17510	7.4	156	FLOOR SWEEP	7/22/1991	7/22/1991
PAD94C00206	CAS-10145	9505	7.4	153	OILY ZORBALL	1/26/1990	8/9/1990
PAD94C00214	CAS-11369	14052	7.4	221	FLOOR SWEEP	1/17/1991	1/17/1991
PAD94C00215	CAS-11377	11580	7.4	220	FLOOR SWEEP	1/15/1991	1/15/1991
PAD94C00269	CAS-12783	14053	7.4	194	FLOOR SWEEP	3/21/1991	3/21/1991
PAD94C00309	CAS-12587	11533	7.4	226	FLOOR SWEEP	1/19/1991	1/19/1991
PAD94C00369	CAS-12588	11533	7.4	205	FLOOR SWEEP	1/19/1991	1/19/1991
PAD94C00370	CAS-12511	6641	7.4	129	ZORBALL	1/29/1991	1/29/1991
PAD94C00377	CAS-11370	14052	7.4	242	FLOOR SWEEP	1/17/1991	1/17/1991
PAD94C00378	CAS-11371	14052	7.4	219	FLOOR SWEEP	1/17/1991	1/17/1991
PAD94C00584	CAS-11274	11664	7.4	101	OILY PANS, PIGS & TRASH	12/3/1990	12/3/1990
PAD94C00602	CAS-12578	5548	7.4	167	FLOOR SWEEP/TRASH	3/7/1991	3/7/1991
PAD94C00627	CAS-11397	11558	7.4	202	FLOOR SWEEP	1/8/1991	1/8/1991
PAD94C00635	CAS-11391	11558	7.4	201	FLOOR SWEEP	1/8/1991	1/8/1991
PAD94C00636	CAS-11388	11558	7.4	205	FLOOR SWEEP	1/8/1991	1/8/1991
PAD94C00637	CAS-11394	11558	7.4	208	FLOOR SWEEP	1/8/1991	1/8/1991
PAD94C00685	CAS-11396	11558	7.4	212	FLOOR SWEEP	1/8/1991	1/8/1991
PAD94C00686	CAS-11395	11558	7.4	177	FLOOR SWEEP	1/8/1991	1/8/1991
PAD94C00693	CAS-11390	11558	7.4	220	FLOOR SWEEP	1/8/1991	1/8/1991
PAD94C00694	CAS-11389	11558	7.4	201	FLOOR SWEEP	1/8/1991	1/8/1991
PAD94C00695	CAS-11392	11558	7.4	165	FLOOR SWEEP	1/8/1991	1/8/1991
PAD94C00724	CAS-11393	11558	7.4	206	FLOOR SWEEP	1/8/1991	1/8/1991
PAD94C00740	CAS-12570	16517	7.4	117	FLOOR SWEEP	3/17/1991	3/17/1991
PAD94C00756	CAS-11006	11556	7.4	246	USED FLOOR SWEEP	10/9/1990	10/9/1990
PAD94C00757	CAS-11005	11556	7.4	240	USED FLOOR SWEEP	10/9/1990	10/9/1990
PAD94C00758	CAS-11211	11532	7.4	241	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00762	CAS-11222	11532	7.4	241	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00763	CAS-11220	11532	7.4	224	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00766	CAS-11230	11532	7.4	236	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00770	CAS-11013	11513	7.4	217	USED FLOOR SWEEP	10/25/1990	10/25/1990
PAD94C00794	CAS-09778	10997	7.4	248	ZORBALL / FLOORSWEEP	1/5/1990	1/5/1990
PAD94C00816	CAS-11007	11556	7.4	201	USED FLOOR SWEEP	10/9/1990	10/9/1990
PAD94C00817	CAS-11231	11532	7.4	239	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00818	CAS-11210	11532	7.4	209	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00819	CAS-11208	11532	7.4	186	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00822	CAS-11223	11532	7.4	214	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00823	CAS-11221	11532	7.4	206	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00826	CAS-11232	11532	7.4	229	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00828	CAS-11217	11532	7.4	238	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00829	CAS-11218	11532	7.4	219	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00831	CAS-11012	11513	7.4	217	USED FLOOR SWEEP	10/25/1990	10/25/1990
PAD94C01225	HC-2001	7273	7.4	86	ABSORBENT PADS	6/12/1990	6/12/1990
PAD94C01416	CAS-12898	11540	7.4	203	FLOOR SWEEP/MOPS	4/23/1991	3/5/1994
PAD94C01443	CAS-12895	11540	7.4	116	FLOOR SWEEP/MOPS	4/23/1991	6/22/1994
PAD94C02429	CAS-15271	18307	7.4	342	ZORBALL / FLOORSWEEP	2/6/1990	2/6/1990
PAD94C02975	CAS-14106	11565	7.4	204	FLOOR SWEEP	6/4/1991	6/4/1991
PAD94C03121	CAS-15203	662	11.4	256	FLOOR SWEEP/TRASH	7/24/1989	7/24/1989
PAD94C03131	CAS-10920	10842	11.4	161	PIG PANS, PADS & TRASH	10/8/1990	10/8/1990
PAD94C03134	CAS-10919	10842	11.4	166	PIG PANS, PADS & TRASH	10/8/1990	10/8/1990
PAD94C03135	CAS-10917	10842	11.4	158	PIG PANS, PADS & TRASH	10/8/1990	10/8/1990
PAD94C03261	CAS-12945	11564	7.4	199	FLOOR SWEEP/MOPS	4/18/1991	4/18/1991
PAD94C03262	CAS-12948	11564	7.4	215	FLOOR SWEEP/MOPS	4/18/1991	4/18/1991
PAD94C03277	CAS-12823	14427	7.4	234	FLOOR SWEEP/MOPS	4/24/1991	4/24/1991
PAD94C03279	CAS-12949	11564	7.4	222	FLOOR SWEEP/MOPS	4/18/1991	4/18/1991
PAD94C03280	CAS-12946	11564	7.4	209	FLOOR SWEEP/MOPS	4/18/1991	4/18/1991
PAD94C03296	CAS-12821	14427	7.4	226	FLOOR SWEEP/MOPS	4/24/1991	4/24/1991
PAD94C03429	CAS-12937	11562	7.4	190	FLOOR SWEEP/MOPS	4/11/1991	4/11/1991
PAD94C03498	CAS-14238	15226	7.4	168	FLOOR SWEEP	6/6/1991	6/6/1991
PAD94C03520	CAS-14235	15226	7.4	190	FLOOR SWEEP	6/6/1991	6/6/1991
PAD94C03643	CAS-15266	7737	7.4	248	FLOOR SWEEP	4/2/1990	4/2/1990
PAD94C03666	CAS-15268	7737	7.4	220	ZORBALL	4/2/1990	4/2/1990
PAD94C03670	CAS-15154	7740	7.4	194	FLOOR SWEEP	3/21/1989	3/21/1989
PAD94C24720	CAS-15269	7737	7.4	218	FLOOR SWEEP	2/6/1990	2/6/1990
PAD94C24996	CAS-15267	7737	7.4	187	ZORBALL / FLOORSWEEP	2/6/1990	2/6/1990
PAD94C35033	CAS-12896	11540	7.4	224	FLOOR SWEEP/MOPS	4/23/1991	4/23/1991

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754684 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
1-270-441-5000
Generator's Phone:

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Paducah & Louisville Railway, Inc
U.S. EPA ID Number
KYD000735845 ~~051501702016J~~ LT 3/5/09

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone:
U.S. EPA ID Number
UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Am-241, Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 8588 MBq, Fissile Excepted	1	CM	4919	K.	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Railcar: GBRX20667
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 02/22/90
If undeliverable, return to generator
Shipment ID: 6202-15-0105

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE
Signature: Carrie Maxie
Month 01 Day 23 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Carrie Maxie on behalf of P&L
Signature: Carrie Maxie
Month 01 Day 23 Year 09
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

RECEIVED FEB 15 2009 BY: TS

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee
Signature:
Month 2 Day 9 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754684JJK

Shipment ID Number: 6202-15-0105

Shipment Date: 1/23/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
120108-06	WNKU072134-3	PCB Contaminated Floorsweep and Absorbent	02/22/90	525	19640	8908.51	8587.51
Totals				**525**	**19640**	**8908.51**	**8587.51**

See attached Drum List for specific information for each drum loaded into the bulk container.

Drum List Attachment, Page 3 of 3
Manifest Number: 001754684JJK
Shipment ID Number: 6202-15-0105
Shipment Date: 1/23/2009
Bulk Container ID Number: WNKU072134-3

Barcode	WasteID	RFD	Net Vol	Gross Wt	Description	Origin Date	PCB Date
PAD94C00212	CAS-12586	11533	7.4	207	FLOOR SWEEP	1/19/1991	1/19/1991
PAD94C00213	CAS-12585	11533	7.4	151	FLOOR SWEEP	1/19/1991	1/19/1991
PAD94C00265	CAS-12780	14053	7.4	136	FLOOR SWEEP	3/21/1991	3/21/1991
PAD94C00348	CAS-14058	11584	7.4	199	FLOOR SWEEP/MOPS	5/16/1991	5/16/1991
PAD94C00375	CAS-12584	11533	7.4	210	FLOOR SWEEP	1/19/1991	1/19/1991
PAD94C00376	CAS-12583	11533	7.4	212	FLOOR SWEEP	1/19/1991	1/19/1991
PAD94C00410	CAS-12782	14053	7.4	196	FLOOR SWEEP	3/21/1991	3/21/1991
PAD94C00411	CAS-12781	14053	7.4	208	FLOOR SWEEP	3/21/1991	3/21/1991
PAD94C00553	CAS-12633	11655	7.4	181	OILY RAGS	11/2/1990	11/2/1990
PAD94C00589	CAS-11206	11660	7.4	298	OILY PADS, PIGS, ZORBALL	11/22/1990	11/22/1990
PAD94C00605	CAS-12509	6739	7.4	172	RAGS, PIGS, CONCRETE/PIGS	3/10/1989	3/27/1991
PAD94C00709	CAS-12458	10522	7.4	454	FLOOR SWEEP	1/14/1991	1/14/1991
PAD94C00717	CAS-12726	11536	7.4	218	FLOOR SWEEP	2/26/1991	2/26/1991
PAD94C00728	CAS-12724	11536	7.4	168	FLOOR SWEEP	2/26/1991	2/26/1991
PAD94C00729	CAS-12723	11536	7.4	196	FLOOR SWEEP	2/26/1991	2/26/1991
PAD94C00747	CAS-11061	11654	7.4	195	FLOOR SWEEP	10/3/1990	10/3/1990
PAD94C00750	CAS-10997	11556	7.4	196	USED FLOOR SWEEP	10/9/1990	10/9/1990
PAD94C00751	CAS-10998	11556	7.4	211	USED FLOOR SWEEP	10/9/1990	10/9/1990
PAD94C00752	CAS-11003	11556	7.4	235	USED FLOOR SWEEP	10/9/1990	10/9/1990
PAD94C00754	CAS-11001	11556	7.4	221	USED FLOOR SWEEP	10/9/1990	10/9/1990
PAD94C00759	CAS-11209	11532	7.4	225	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00760	CAS-11215	11532	7.4	219	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00761	CAS-11213	11532	7.4	251	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00765	CAS-11224	11532	7.4	240	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00767	CAS-11228	11532	7.4	235	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00771	CAS-11011	11513	7.4	226	USED FLOOR SWEEP	10/25/1990	10/25/1990
PAD94C00773	CAS-11009	11513	7.4	149	USED FLOOR SWEEP	10/25/1990	10/25/1990
PAD94C00788	CAS-12722	11536	7.4	196	FLOOR SWEEP	2/26/1991	2/26/1991
PAD94C00789	CAS-12721	11536	7.4	196	FLOOR SWEEP	2/26/1991	2/26/1991
PAD94C00807	CAS-10955	11654	7.4	182	FLOOR SWEEP	10/3/1990	10/3/1990
PAD94C00810	CAS-10999	11556	7.4	257	USED FLOOR SWEEP	10/9/1990	10/9/1990
PAD94C00811	CAS-11000	11556	7.4	223	USED FLOOR SWEEP	10/9/1990	10/9/1990
PAD94C00812	CAS-11002	11556	7.4	238	USED FLOOR SWEEP	10/9/1990	10/9/1990
PAD94C00813	CAS-11004	11556	7.4	279	USED FLOOR SWEEP	10/9/1990	10/9/1990
PAD94C00820	CAS-11214	11532	7.4	217	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00821	CAS-11212	11532	7.4	198	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00824	CAS-11226	11532	7.4	250	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00825	CAS-11225	11532	7.4	278	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00830	CAS-11014	11513	7.4	195	USED FLOOR SWEEP	10/25/1990	10/25/1990
PAD94C00832	CAS-11010	11513	7.4	233	USED FLOOR SWEEP	10/25/1990	10/25/1990
PAD94C00833	CAS-11008	11513	7.4	204	USED FLOOR SWEEP	10/25/1990	10/25/1990
PAD94C00843	CAS-10042	11551	7.4	89	FILTERS FROM FLOOR SWEEPER	2/22/1990	2/22/1990
PAD94C00961	CAS-10956	11656	7.4	116	OILY PADS AND PIGS	11/12/1990	11/12/1990
PAD94C01014	CAS-10929	10847	7.4	135	PIG PANS, PADS	11/7/1990	11/7/1990
PAD94C01048	CAS-11059	11654	7.4	107	OILY PADS, PIGS, & PILLOWS	10/3/1990	10/3/1990
PAD94C01905	CAS-14236	15226	7.4	198	FLOOR SWEEP	6/6/1991	6/6/1991
PAD94C02685	CAS-11374	11580	7.4	137	FLOOR SWEEP	1/15/1991	1/15/1991
PAD94C02687	CAS-11375	11580	7.4	194	FLOOR SWEEP	1/15/1991	1/15/1991
PAD94C02745	CAS-11373	11580	7.4	185	FLOOR SWEEP	1/15/1991	1/15/1991
PAD94C02746	CAS-11376	11580	7.4	220	FLOOR SWEEP	1/15/1991	1/15/1991
PAD94C02976	CAS-14107	11565	7.4	206	FLOOR SWEEP	6/4/1991	6/4/1991
PAD94C03229	CAS-12822	14427	7.4	228	FLOOR SWEEP/MOPS	4/24/1991	4/24/1991
PAD94C03230	CAS-12819	14427	7.4	201	FLOOR SWEEP/MOPS	4/24/1991	4/24/1991
PAD94C03238	CAS-11350	11514	7.4	267	FLOOR SWEEP	12/19/1990	12/19/1990
PAD94C03245	CAS-12820	14427	7.4	212	FLOOR SWEEP/MOPS	4/24/1991	4/24/1991
PAD94C03246	CAS-12818	14427	7.4	151	FLOOR SWEEP/MOPS	4/24/1991	4/24/1991
PAD94C03500	CAS-11363	10207	7.4	124	GLOVES, RAGS, BAGS, ZORBALL	1/15/1991	1/15/1991
PAD94C03501	CAS-11362	10207	7.4	242	GLOVES, RAGS, BAGS, ZORBALL	1/15/1991	1/15/1991
PAD94C03503	CAS-10938	10847	7.4	87	FLOOR SWEEP	11/7/1990	11/7/1990
PAD94C03521	CAS-14234	15226	7.4	184	FLOOR SWEEP	6/6/1991	6/6/1991
PAD94C03522	CAS-11364	10207	7.4	240	GLOVES, RAGS, BAGS, ZORBALL	1/15/1991	1/15/1991
PAD94C03535	CAS-10937	10847	7.4	97	PIG PANS	11/7/1990	11/7/1990
PAD94C03560	CAS-12826	2081	7.4	244	PIGS/PADS/PILLOWS	4/25/1991	4/25/1991
PAD94C03644	CAS-10936	10847	7.4	156	ZORBALL, PIG PANS, PADS	11/7/1990	11/7/1990
PAD94C03793	CAS-14210	14076	7.4	229	FLOOR SWEEP	6/6/1991	6/6/1991
PAD94C03816	CAS-12947	11564	7.4	213	FLOOR SWEEP/MOPS	4/18/1991	4/18/1991
PAD94C03827	CAS-12940	11562	7.4	186	FLOOR SWEEP/MOPS	4/11/1991	4/11/1991
PAD94C22846	CAS-12507	16529	7.4	138	OILY ZORBALL	3/22/1991	12/19/1990
PAD94C34977	CAS-17455	45876	7.4	395	FLOOR SWEEP	9/15/1994	6/14/1994
PAD94C34978	CAS-17454	45876	7.4	388	FLOOR SWEEP	9/15/1994	6/17/1994
PAD95C10801	59806-01	59806	7.4	283	FLOOR SWEEP	7/22/1996	7/22/1996

Please print or type. (Form designed for use on elite (12-pit ewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754685 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Paducah & Louisville Railway, Inc
U.S. EPA ID Number: 051501702016J

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone:
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 8347 MBq, Fissile Excepted	1	CM	5171	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Railcar: GBRX20699
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 04/27/88
If undeliverable, return to generator
Shipment ID: 6202-15-0106

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE
Signature: Carrie Maxie
Month: 02 Day: 13 Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Carrie Maxie on behalf of P&L
Signature: Carrie Maxie
Month: 02 Day: 13 Year: 09

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
Facility's Phone:

RECEIVED
MAR 25 2009
BY:
U.S. EPA ID Number: 3 10 09 T.S.

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Albert Evans
Signature: Albert Evans
Month: 3 Day: 2 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754685JJK

Shipment ID Number: 6202-15-0106

Shipment Date: 2/13/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
120108-09	GLDU032268-8	PCB Contaminated Trash, Floorsweep, and Absorbent	04/27/88	523.94	20700	9389.31	8347.47
Totals				**523.94**	**20700**	**9389.31**	**8347.47**

See attached Drum List for specific information for each drum loaded into the bulk container.

Drum List Attachment, Page 3 of 3
Manifest Number: 001754685JJK
Shipment ID Number: 6202-15-0106
Shipment Date: 2/13/2009
Bulk Container ID Number: GLDU032268-8

Barcode	WasteID	RFD	Net Vol	Gross Wt	Description	PCB Date
PAD02C06791	103385-01	103385	7.4	94	PPE, PADS, RAGS FROM ELECTRICAL MAINTENANCE ON PCB TRANSFORMER.	02-Apr-01
PAD02C06795	103394-01	103394	7.4	83	PPE, PADS, AND RAGS FROM ELECTRICAL MAINTENANCE ON PCB TRANSFORMERS.	04-Jan-02
PAD02C06790	103398-01	103398	7.4	190	MOP HEADS, RAGS, PADS, PPE, AND ABSORBENT GENERATED FROM PCB SPILL	19-Jul-02
PAD94C25949	CAS-06172	5289	7.4	329	OILY ZORBALL	27-Apr-88
PAD94C25509	CAS-06208	6605	7.4	240	FLOORSWEEP	10-May-88
PAD94C25479	CAS-06224	6610	7.4	216	FLOOR SWEEP	10-May-88
PAD94C25430	CAS-06228	6610	7.4	183	FLOORSWEEP	10-May-88
PAD94C26030	CAS-06248	6611	7.4	211	FLOORSWEEP	10-May-88
PAD94C26029	CAS-06253	6613	7.4	224	FLOORSWEEP	10-May-88
PAD94C25992	CAS-06259	6614	7.4	247	FLOORSWEEP	10-May-88
PAD97C25437	CAS-06280	6615	7.4	221	FLOORSWEEP	13-Jun-88
PAD94C26057	CAS-06341	6616	7.4	254	FLOOR SWEEP	23-Jun-88
PAD94C26090	CAS-06344	6616	7.4	238	FLOOR SWEEP	23-Jun-88
PAD94C25471	CAS-06373	6620	7.4	222	FLOORSWEEP	30-Aug-88
PAD94C26056	CAS-07992	6618	7.4	265	FLOORSWEEP	01-Sep-88
PAD94C25356	CAS-08449	7731	7.4	253	FLOORSWEEP	01-Feb-89
PAD94C25320	CAS-08450	7731	7.4	263	FLOORSWEEP	01-Feb-89
PAD94C25334	CAS-08451	7732	7.4	200	FLOOR SWEEP	03-Feb-89
PAD94C25335	CAS-08452	7732	7.4	219	FLOORSWEEP	03-Feb-89
PAD94C25371	CAS-08455	7733	7.4	199	FLOORSWEEP	03-Mar-89
PAD94C03629	CAS-08573	7729	7.4	225	FLOOR SWEEP	19-Jan-89
PAD98C02877	CAS-08575	7735	7.4	187	FLOORSWEEP	03-Mar-89
PAD98C02882	CAS-08582	7739	7.4	198	FLOORSWEEP	11-Mar-89
PAD94C02950	CAS-08583	7739	7.4	144	FLOORSWEEP	11-Mar-89
PAD94C00480	CAS-09474	10992	7.4	266	FLOORSWEEP	03-Jan-90
PAD94C00240	CAS-09492	10979	7.4	238	FLOOR SWEEP	13-Oct-89
PAD94C00241	CAS-09494	10979	7.4	243	FLOOR SWEEP	13-Oct-89
PAD94C00392	CAS-09496	10979	7.4	234	ZORBALL	13-Oct-89
PAD94C00242	CAS-09499	10979	7.4	215	FLOORSWEEP	13-Oct-89
PAD98C02884	CAS-09506	2135	11.4	464	ZORBALL	04-Nov-89
PAD94C03615	CAS-09515	10986	7.4	227	FLOORSWEEP	02-Nov-89
PAD94C01066	CAS-09516	10986	7.4	257	FLOORSWEEP	02-Nov-89
PAD94C03641	CAS-09550	10993	7.4	212	FLOORSWEEP	03-Jan-90
PAD94C03705	CAS-09554	10993	7.4	228	FLOORSWEEP	03-Jan-90
PAD94C03677	CAS-09555	10993	7.4	217	FLOORSWEEP	03-Jan-90
PAD98C02880	CAS-09576	10984	7.4	303	FLOORSWEEP	26-Oct-89
PAD98C02876	CAS-09580	10984	7.4	302	FLOORSWEEP	26-Oct-89
PAD94C00497	CAS-09596	10982	7.4	212	FLOORSWEEP	31-Oct-89
PAD94C00492	CAS-09597	10982	7.4	243	FLOORSWEEP	31-Oct-89
PAD94C22944	CAS-09605	5357	7.4	173	FLOORSWEEP	04-Nov-89
PAD98C03555	CAS-09703	11502	11.4	270	FLOORSWEEP	02-Feb-90
PAD94C22983	CAS-09851	10998	7.4	118	FLOORSWEEP	01-Feb-90
PAD94C03162	CAS-09878	2137	11.4	166	PIGS/PADS/RAGS/ETC.	29-Mar-89
PAD98C02831	CAS-10063	11505	7.4	229	FLOOR SWEEP	01-Mar-90
PAD94C00366	CAS-10078	11576	7.4	269	FLOORSWEEP	12-Mar-90
PAD98C02829	CAS-10173	11529	7.4	227	FLOOR SWEEP	15-Jun-90
PAD94C00680	CAS-10232	10794	7.4	110	PADS/PIGS/PILLOWS/ETC.	10-May-88
PAD98C02843	CAS-10253	11526	7.4	260	FLOOR SWEEP	17-Apr-90
PAD98C02836	CAS-10262	11511	7.4	227	FLOOR SWEEP	05-Jun-90
PAD98C02838	CAS-10269	11511	7.4	211	FLOORSWEEP	04-Jun-90
PAD98C02837	CAS-10295	11507	7.4	236	FLOOR SWEEP	25-Mar-90
PAD94C03809	CAS-10382	11640	7.4	372	ZORBALL	31-Jul-90
PAD94C02453	CAS-10385	11638	7.4	419	ZORBALL	30-Jul-90
PAD98C02879	CAS-10401	11577	7.4	233	FLOORSWEEP	11-May-90
PAD94C00834	CAS-10727	11512	7.4	254	USED FLOOR SWEEP	24-Aug-90
PAD94C03783	CAS-10734	11554	7.4	249	USED FLOORSWEEP	01-Jun-90
PAD94C03244	CAS-10765	11555	7.4	231	USED FLOOR SWEEP	01-Aug-90
PAD94C00753	CAS-10945	11578	7.4	186	USED FLOOR SWEEP	10-Aug-90
PAD94C02888	CAS-12944	11563	7.4	195	FLOOR SWEEP/MOPS	16-Apr-91
PAD94C02974	CAS-14054	15852	7.4	186	GLOVES/RAGS/COVERALLS/ABSORBENTS	20-May-91
PAD94C02922	CAS-14055	15852	7.4	203	GLOVES/RAGS/COVERALLS/ABSORBENTS	20-May-91
PAD98C02850	CAS-14741	7734	7.4	217	FLOORSWEEP	03-Mar-89
PAD98C02868	CAS-14746	7734	7.4	213	FLOORSWEEP	03-Mar-89
PAD94C02971	CAS-15099	7741	7.4	228	FLOORSWEEP	18-Apr-89
PAD94C02919	CAS-15100	7745	7.4	205	FLOORSWEEP	05-Sep-89
PAD98C02874	CAS-15111	7745	7.4	179	FLOORSWEEP	05-Sep-89
PAD94C03012	CAS-15128	10980	7.4	164	FLOORSWEEP	19-Sep-89
PAD98C02869	CAS-15147	7740	7.4	193	FLOORSWEEP	21-Mar-89
PAD98C02823	CAS-15249	10978	7.4	116	FLOORSWEEP	26-Sep-89
PAD94C32217	CAS-17401	41196	0.67	12	RAGS/PAPER/PADS	12-May-94
PAD94C34980	CAS-17476	41211	0.67	11	PADS/RAGS	18-May-94

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754686 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Paducah & Louisville Railway, Inc
U.S. EPA ID Number
KYD000735845 051501702016J

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number
UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 4574 MBq, Fissile Excepted	1	CM	2754	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Railcar: GBRX20699
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 05/10/88
If undeliverable, return to generator
Shipment ID: 6202-15-0107

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Marie on behalf of USDOE
Signature: Carrie Marie
Month 02 Day 13 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Carrie Marie on behalf of P&L
Signature: Carrie Marie
Month 02 Day 13 Year 09

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

RECEIVED
3-10-09 T.S.
MAR 25 2009
BY: TS

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Albert Evans
Signature: Albert Evans
Month 2 Day 09 Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754686JJK

Shipment ID Number: 6202-15-0107

Shipment Date: 2/13/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
120108-07	TRIU391806-0	PCB Contaminated Trash, Floorsweep, and Absorbent	05/10/88	517.6	15440	7003.43	4574.02
Totals				**517.6**	**15440**	**7003.43**	**4574.02**

See attached Drum List for specific information for each drum loaded into the bulk container.

Drum List Attachment, Page 3 of 3
Manifest Number: 001754686JJK
Shipment ID Number: 6202-15-0107
Shipment Date: 2/13/2009
Bulk Container ID Number: TRIU391806-0

Barcode	WasteID	RFD	Net Vol	Gross Wt	Description	Origin Date	PCB Date
PAD03C01141	103399-01	103399	7.4	122	OILY PADS, PPE, RAGS AND LEATHER GLOVES	22-Jul-02	22-Jul-02
PAD06C00657	106747-01	106747	7.4	93	PCB SOLIDS	11-Oct-05	11-Oct-05
PAD06C00656	107860-01	107860	7.4	109	PCB SOLIDS	21-Oct-05	21-Oct-05
PAD06C00654	107861-01	107861	7.4	125	PCB SOLIDS	23-Aug-05	23-Aug-05
PAD06C00655	107864-01	107864	7.4	104	PCB SOLIDS	11-Oct-05	11-Oct-05
PAD05C06688	108599-01	108599	7.4	120	SOLIDS FROM CLEANUP OF PCB SPILL 771, 772, 1768. PPE, RAGS, MOP HEAD.	08-Jul-05	08-Jul-05
PAD06C02426	108955-01	108955	7.4	138	PCB SOLIDS FROM SPILL CLEANUP/SAMPLING. PPE, MOP, ABSORBENTS, RAGS, PLASTIC, FLAGGING	19-Oct-06	19-Oct-06
PAD98C00354	54911-03	54911	7.4	68	PLASTIC/PADS	02-Feb-98	11-Sep-97
PAD97C03671	CAS-06213	6606	11.4	300	FLOOR SWEEP	10-May-88	10-May-88
PAD94C25468	CAS-08324	7353	7.4	321	ZORBALL	16-Sep-88	16-Sep-88
PAD04C05020	CAS-08457	7733	11.4	296	FLOOR SWEEP	03-Mar-89	03-Mar-89
PAD94C22862	CAS-08748	9245	7.4	152	ZORBALL	01-Nov-89	01-Nov-89
PAD94C00454	CAS-08759	5391	7.4	164	ABSORBENT PADS	20-Mar-90	10-May-88
PAD94C03111	CAS-09511	10717	11.4	598	ZORBALL	05-Nov-89	05-Nov-89
PAD94C00182	CAS-09589	2143	7.4	444	ZORBALL	15-Dec-89	15-Dec-89
PAD94C03753	CAS-09705	11506	7.4	118	USED DUST MOPS	02-Feb-90	27-Nov-90
PAD94C03145	CAS-09727	9480	11.4	130	PREVIOUSLY CONTAINED PADS?	25-Jul-89	25-Jul-89
PAD94C00858	CAS-10100	10259	7.4	104	PADS/PIGS	23-Mar-90	01-Nov-89
PAD98C02834	CAS-10165	10812	7.4	362	ZORBALL	13-Jun-90	25-May-90
PAD98C02858	CAS-10319	10288	11.4	180	PADS/RAGS	19-Jun-90	01-Nov-89
PAD94C02603	CAS-10389	11629	7.4	100	PIGS/PADS/RAGS/ETC.	14-Jun-90	14-Jun-90
PAD94C00272	CAS-10414	7273	7.4	115	ABSORBENT PADS	12-Jun-90	01-Nov-89
PAD98C02863	CAS-10795	9713	7.4	121	PADS/PIGS	16-Nov-90	10-May-88
PAD94C01017	CAS-10876	14229	7.4	192	ZORBALL,RAGS,SHOECOVER & GLOVES	22-Oct-90	22-Oct-90
PAD94C00982	CAS-10924	10849	7.4	85	PIG, PANS & PADS	08-Nov-90	07-Nov-90
PAD94C01039	CAS-10925	10849	7.4	96	PIG, PANS & PADS	08-Nov-90	07-Nov-90
PAD94C00981	CAS-10926	10849	7.4	98	PIG, PANS & PADS	08-Nov-90	07-Nov-90
PAD94C01030	CAS-10928	10847	7.4	96	PIG PANS, PADS	07-Nov-90	07-Nov-90
PAD94C00957	CAS-10930	10847	7.4	119	PIG PANS, PADS	07-Nov-90	07-Nov-90
PAD94C01013	CAS-10931	10847	7.4	97	PIG PANS, PADS	07-Nov-90	07-Nov-90
PAD94C00959	CAS-10933	10847	7.4	95	PIG PANS, PADS	07-Nov-90	07-Nov-90
PAD94C01015	CAS-10934	10847	7.4	79	PIG PANS, PADS	07-Nov-90	07-Nov-90
PAD98C02822	CAS-10958	10831	7.4	100	PADS/PIGS/PILLOWS/ETC.	03-Aug-90	03-Aug-90
PAD94C03524	CAS-11054	10850	7.4	111	TRASH,OIL SOAKED PADS, & PILLOWS	18-Nov-90	18-Nov-90
PAD94C03504	CAS-11055	10850	7.4	114	TRASH,OIL SOAKED PADS, & PILLOWS	18-Nov-90	18-Nov-90
PAD94C03505	CAS-11057	10850	7.4	107	TRASH,OIL SOAKED PADS, & PILLOWS	18-Nov-90	18-Nov-90
PAD94C00746	CAS-11060	11654	7.4	180	FLOOR SWEEP	03-Oct-90	03-Oct-90
PAD94C03534	CAS-11191	10847	7.4	101	PIG PANS, PADS PILLOWS PER SAMP	07-Nov-90	07-Nov-90
PAD94C03502	CAS-11192	10847	7.4	100	PIG PANS, PADS PILLOWS PER SAMP	07-Nov-90	07-Nov-90
PAD94C00769	CAS-11219	11532	7.4	173	USED FLOOR SWEEP	27-Nov-90	27-Nov-90
PAD94C00207	CAS-11372	11580	7.4	117	FLOOR SWEEP	15-Jan-91	15-Jan-91
PAD94C00250	CAS-12673	10209	7.4	96	PADS/PILLOWS/PIGS	14-Feb-91	14-Feb-91
PAD94C00467	CAS-12689	10208	7.4	238	PADS/PILLOWS/PIGS	12-Feb-91	12-Feb-91
PAD94C00503	CAS-12690	10208	7.4	206	PADS/PILLOWS/PIGS	12-Feb-91	12-Feb-91
PAD94C00468	CAS-12691	10208	7.4	186	PADS/PILLOWS/PIGS	12-Feb-91	12-Feb-91
PAD94C00352	CAS-12692	10208	7.4	146	PADS/PILLOWS/PIGS	12-Feb-91	12-Feb-91
PAD94C00394	CAS-12712	10214	7.4	110	PADS/PILLOWS/PIGS	04-Mar-91	04-Mar-91
PAD94C03781	CAS-12713	10213	7.4	82	PADS/PILLOWS/PIGS	01-Mar-91	01-Mar-91
PAD94C00358	CAS-12714	10213	7.4	118	PADS/PILLOWS/PIGS	01-Mar-91	01-Mar-91
PAD94C00658	CAS-12725	11536	7.4	218	FLOOR SWEEP	26-Feb-91	26-Feb-91
PAD94C00402	CAS-12775	10216	7.4	152	PADS/PILLOWS/PIGS	21-Mar-91	21-Mar-91
PAD94C00264	CAS-12784	14053	7.4	140	DEBRIS	21-Mar-91	21-Mar-91
PAD95C09749	CAS-14067	10218	11.4	210	PADS/PILLOWS/PIGS	03-Apr-91	03-Apr-91
PAD94C00973	CAS-14410	5466	7.4	159	PVC PIPE/OIL SOAKED PADS/BUCKETS	20-Jul-91	20-Jul-91
PAD94C03168	CAS-15140	663	11.4	239	ZORBALL/TRASH	24-Jul-89	24-Jul-89
PAD94C03102	CAS-15280	5694	11.4	322	FLOOR SWEEEP/RAGS	26-Jul-89	26-Jul-89
PAD94C03147	CAS-15301	5694	11.4	366	FLOOR SWEEP	26-Jul-89	26-Jul-89
PAD01C03156	CAS-15468	4474	11.4	208	CRUSHED DRUMS/ABSORBENTS	09-Jul-92	09-Jul-92
PAD94C02813	CAS-15661	21672	7.4	135	PADS/RAGS/PIGS	16-Feb-92	16-Feb-92
PAD01C03392	CAS-15688	24393	11.4	198	GASKET/PLASTIC/ABSORBENT	04-Aug-92	28-Jul-92
PAD94C36280	CAS-16741	37306	7.4	135	PVC PIPE/OIL ABSORBENT PADS	14-Jun-93	14-Jun-93
PAD94C37358	CAS-16742	37307	7.4	120	PVC PIPE/OIL ABSORBENT PADS	15-Jun-93	15-Jun-93
PAD94C37359	CAS-16745	37308	7.4	136	PVC PIPE/OIL ABSORBENT PADS	18-Jun-93	18-Jun-93
PAD94C36289	CAS-16754	37320	7.4	172	PVC PIPE (OILY PIPE W/PADS)	13-Jul-93	13-Jul-93

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754693 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Np-237, Tc-99, Th-230, U-Dep, Solid/Oxide, 897 MBq	9	DM	514	K	
X	2. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 3817 MBq, Fissile Excepted	47	DM	4313	K	
X	3. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Np-237, Tc-99, Th-230, U-234, U-235, U-238, U-Dep, Solid/Oxide, 1041 MBq, Fissile Excepted	20	DM	640	K	
X	4. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Am-241, Np-237, Tc-99, Th-230, U-234, U-235, U-238, U-Dep, Solid/Oxide, 85 MBq, Fissile Excepted	1	DM	15	K	

14. Special Handling Instructions and Additional Information
Truck: 333 Trailer: 7133 TID: 0552057 PR05704 PCB Start Date: 06/23/88
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info Shipment ID: 6202-15-0108

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE — Signature: Carrie Maxie — Month 02 Day 13 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JAMES LEE PAYNE — Signature: James Lee Payne — Month 2 Day 13 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED 3/10/09 T.S. MAR 25 2009 BY: — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129	H129	H129	H129

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. Gardner — Signature — Month 2 Day 17 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **DESIGNATED FACILITY TO GENERATOR**

PCB and Additional Information Attachment, Page 2 of 4

Manifest Number: 001754693JJK

Shipment ID Number: 6202-15-0108

Shipment Date: 2/13/2009

RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
11664	CAS-11276	PAD94C01022	OILY PANS, PIGS & TRASH	12/3/90	7.4	101	45.81	35.64
11565	CAS-14108	PAD94C02924	FLOOR SWEEP	6/4/91	7.4	201	91.17	114.83
11613	CAS-10407	PAD94C01028	PIGS/PADS/RAGS/ETC.	2/22/90	7.4	160	72.57	82.36
11526	CAS-10245	PAD94C00936	FLOOR SWEEP	4/17/90	7.4	232	105.23	139.38
11565	CAS-14109	PAD94C02923	FLOOR SWEEP	6/4/91	7.4	204	92.53	117.20
8005	CAS-14448	PAD94C02592	PVC PIPE/TUBING/FIBERGLASS/PADS	8/8/91	7.4	136	61.69	63.35
9291	CAS-09689	PAD94C00732	ABSORBANT PADS/PIGS	9/7/89	7.4	114	51.71	45.93
9244	CAS-09697	PAD94C00795	OILY ZORBALL	10/26/89	7.4	311	141.07	201.94
11565	CAS-14105	PAD94C02982	FLOOR SWEEP	6/4/91	7.4	178	80.74	96.61
7361	CAS-08274	PAD94C25958	ZORBALL	10/26/88	7.4	358	162.39	121.23
9245	CAS-08746	PAD94C22860	ZORBALL	9/7/89	7.4	364	165.11	123.64
5360	CAS-09604	PAD94C22863	ZORBALL	9/19/89	7.4	418	189.60	145.31
14054	CAS-12748	PAD94C02430	FLOOR SWEEP	3/26/91	7.4	122	55.34	26.49
11584	CAS-14059	PAD94C00463	FLOOR SWEEP/MOPS	5/16/91	7.4	182	82.55	50.58
11532	CAS-11227	PAD94C00764	USED FLOOR SWEEP	11/27/90	7.4	213	96.61	63.02
5167	CAS-12674	PAD94C00267	FLOOR SWEEP/OILY RAGS	2/19/91	7.4	316	143.33	104.37
10850	CAS-11056	PAD94C03525	TRASH,OIL SOAKED PADS, & PILLOWS	11/18/90	7.4	99	44.91	17.26
24388	CAS-15768	PAD01C02691	BEARINGS/ABSORBENT/TRASH/PPE	7/8/92	7.4	264	119.75	51.38
8114	CAS-15135	PAD94C03169	ZORBALL	3/19/89	7.4	448	203.21	125.24
11606	CAS-10427	PAD98C02883	PIGS/PADS/RAGS/ETC.	4/3/90	7.4	110	49.89	21.68
2150	CAS-10041	PAD94C03117	ZORBALL	11/4/89	7.4	411	186.43	110.39
10979	CAS-09497	PAD94C00247	FLOOR SWEEP	10/13/89	7.4	262	118.84	82.69
10992	CAS-09473	PAD94C00479	FLOOR SWEEP	1/3/90	7.4	388	175.99	133.27
9288	CAS-09663	PAD94C00178	OILY ZORBALL/PADS/TRASH	12/31/89	7.4	100	45.36	17.66
9288	CAS-09665	PAD94C00236	OILY ZORBALL/PADS/TRASH	12/31/89	7.4	130	58.97	29.70
11577	CAS-10398	PAD94C00800	FLOOR SWEEP	5/11/90	7.4	230	104.33	69.85
5722	CAS-15208	PAD94C02408	ZORBALL	3/20/89	7.4	386	175.09	132.47
5643	CAS-14716	PAD94C03592	FLOOR SWEEP	4/3/90	7.4	190	86.18	53.79
11507	CAS-10296	PAD94C00867	FLOOR SWEEP	3/25/90	7.4	256	116.12	80.28
10988	CAS-09631	PAD94C00436	FLOOR SWEEP	11/7/89	7.4	253	114.76	79.08
11578	CAS-10946	PAD94C00814	USED FLOOR SWEEP	8/10/90	7.4	226	102.51	68.24
5722	CAS-08584	PAD94C02401	ZORBALL	3/20/89	7.4	412	186.88	142.91
9288	CAS-09669	PAD94C00234	OILY ZORBALL/PADS/TRASH	12/31/89	7.4	120	54.43	25.69
8114	CAS-15138	PAD94C03138	ZORBALL	3/19/89	7.4	453	205.48	127.25
9235	CAS-10153	PAD94C03167	ZORBALL	10/3/89	7.4	500	226.80	146.12
7726	CAS-08463	PAD98C02881	FLOORSWEEP	3/29/89	7.4	218	98.88	65.03
10979	CAS-09498	PAD94C00246	FLOORSWEEP	10/13/89	7.4	201	91.17	58.21
5387	CAS-10084	PAD94C00363	ABSORBENT PADS	10/26/88	7.4	172	78.02	46.56
2138	CAS-09505	PAD94C03100	ZORBALL	11/4/89	7.4	332	150.59	78.68
5722	CAS-08585	PAD94C02406	ZORBALL	3/20/89	7.4	331	150.14	110.39
7373	CAS-06237	PAD94C03011	ZORBALL	10/18/88	7.4	121	54.88	26.09
5714	CAS-06303	PAD94C02373	ZORBALL	12/13/88	7.4	327	148.32	108.78
5361	CAS-09603	PAD94C00233	OIL SOAKED ZORBALL	12/16/88	7.4	421	190.96	146.52
8114	CAS-15137	PAD94C03132	ZORBALL	3/19/89	7.4	280	127.01	57.80

PCB and Additional Information Attachment, Page 3 of 4

Manifest Number: 001754693JJK

Shipment ID Number: 6202-15-0108

Shipment Date: 2/13/2009

RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
2132	CAS-15121	PAD94C03095	ZORBALL	9/26/89	7.4	344	156.03	83.50
7726	CAS-08462	PAD94C25432	FLOOR SWEEP	3/29/89	7.4	238	107.95	73.06
11529	CAS-10171	PAD94C00908	FLOOR SWEEP	6/7/90	7.4	245	111.13	75.87
9288	CAS-09664	PAD94C00177	OILY ZORBALL/PADS/TRASH	12/31/89	7.4	100	45.36	17.66
5722	CAS-08586	PAD94C02407	ZORBALL	3/20/89	7.4	353	160.12	119.22
5722	CAS-08587	PAD94C02376	ZORBALL	3/20/89	7.4	256	116.12	80.28
6616	CAS-06343	PAD94C26058	FLOOR SWEEP	6/23/88	7.4	222	100.70	66.64
10979	CAS-09491	PAD94C00386	FLOOR SWEEP	10/13/89	7.4	453	205.48	159.36
10979	CAS-09500	PAD94C00245	FLOOR SWEEP	10/13/89	7.4	261	118.39	82.29
10979	CAS-09493	PAD94C00387	FLOOR SWEEP	10/13/89	7.4	230	104.33	69.85
10979	CAS-09501	PAD94C00391	FLOOR SWEEP	10/13/89	7.4	232	105.23	70.65
10979	CAS-09495	PAD94C00393	FLOOR SWEEP	10/13/89	7.4	233	105.69	71.05
11642	CAS-10378	PAD94C03080	OIL PADS	7/31/90	7.4	247	112.04	81.83
10298	CAS-11025	PAD94C21452	EMPTY 5 GAL DRUMS/ABSORBENTS	7/4/90	7.4	87	39.46	22.85
120848	120848-03	PAD08C05299	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	12/5/07	7.4	167	75.75	81.83
103379	103379-01	PAD02C06793	PPE, OIL ABSORBENT PADS, RAGS, PLASTIC (FROM MAINTENANCE ON VENT DUCTS).	2/20/01	7.4	88	39.92	23.59
120848	120848-04	PAD08C05300	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	2/21/08	7.4	101	45.81	33.18
108990	108990-05	PAD08C05307	PCB SOLIDS FROM WORK ON C-337 2-1-A, 2-1-B (REPAIR OF TRANSFORMERS ASSOCIATED WITH NON-GASKET SPILLS 798 AND 801, RESPECTIVELY). (PADS, RAGS, PIGS, ETC)	1/18/08	7.4	128	58.06	53.08
120848	120848-01	PAD08C05297	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	4/24/07	7.4	189	85.73	98.05
120848	120848-06	PAD08C05302	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	2/21/08	7.4	132	59.87	56.03
10298	CAS-11023	PAD94C21451	EMPTY 5 DRUMS/ABSORBENTS	7/4/90	7.4	88	39.92	23.59
120848	120848-02	PAD08C05298	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	11/14/07	7.4	156	70.76	73.72
108990	108990-01	PAD08C05303	PCB SOLIDS FROM WORK ON C-337 2-1-A, 2-1-B (REPAIR OF TRANSFORMERS ASSOCIATED WITH NON-GASKET SPILLS 798 AND 801, RESPECTIVELY). (PADS, RAGS, PIGS, ETC)	1/3/08	7.4	106	48.08	36.86
23044	CAS-14997	PAD94C00619	ABSORBENTS/WOOD	10/1/91	7.4	245	111.13	80.36

PCB and Additional Information Attachment, Page 4 of 4

Manifest Number: ~~0017546933JK~~ 001754693JJK

Shipment ID Number: ~~6202-15-0108~~ 6202-15-0108

Shipment Date: ~~2/13/2009~~ 2/13/2009

RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
108990	108990-04	PAD08C05306	PCB SOLIDS FROM WORK ON C-337 2-1-A, 2-1-B (REPAIR OF TRANSFORMERS ASSOCIATED WITH NON-GASKET SPILLS 798 AND 801, RESPECTIVELY). (PADS, RAGS, PIGS, ETC)	1/18/08	7.4	128	58.06	53.08
108990	108990-02	PAD08C05304	PCB SOLIDS FROM WORK ON C-337 2-1-A, 2-1-B (REPAIR OF TRANSFORMERS ASSOCIATED WITH NON-GASKET SPILLS 798 AND 801, RESPECTIVELY). (PADS, RAGS, PIGS, ETC)	1/3/08	7.4	96	43.54	29.49
103387	103387-01	PAD02C06797	PPE, RAGS, PADS, MOP HEAD, OIL SOAKED ABSORBENT AND PLASTI FROM TRANSFORMER LEAK SPILL CLEANUP	5/23/01	7.4	130	58.97	54.56
103962	103962-01	PAD02C17309	RAGS, PIGS, PADS, PPE	1/25/01	7.4	83	37.65	19.91
106326	106326-01	PAD07C04017	OILY PADS, PPE, RAGS, GLOVES	12/4/02	7.4	132	59.87	56.03
120848	120848-05	PAD08C05301	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	2/20/08	7.4	128	58.06	53.08
108990	108990-03	PAD08C05305	PCB SOLIDS FROM WORK ON C-337 2-1-A, 2-1-B (REPAIR OF TRANSFORMERS ASSOCIATED WITH NON-GASKET SPILLS 798 AND 801, RESPECTIVELY). (PADS, RAGS, PIGS, ETC)	1/3/08	7.4	85	38.56	21.38
7266	CAS-10723	PAD94C02618	ABSORBENT PADS	9/19/89	7.4	176	79.83	88.47
40854	40854-01	PAD97C00702	PPE/RAGS TRASH	4/8/96	4	62	28.12	84.54
	Totals	**77**			**566.40**	**17172**	**7789.05**	**5839.86**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	3	1-270-441-6211	001754694 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Specialty Transport Inc.
U.S. EPA ID Number
TNR000011247

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number
UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Am-241, Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 9459 MBq, Fissile Excepted	1	CM	5418	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Trailer: 4822 Truck: 333 TIDs: 0010307 / 0010314
PCB Start Date: 01/06/89
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
Shipment ID: 6202-15-0109

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of USDOE
Signature: LaChelle Telfair on behalf of USDOE
Month: 2 Day: 24 Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JAMES LEE PAYNE
Signature: James Lee Payne
Month: 2 Day: 24 Year: 09
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

RECEIVED
3-10-09 T.S.
MAR 25 2009
BY:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. Graden
Signature:
Month: 2 Day: 27 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754694JJK

Shipment ID Number: 6202-15-0109

Shipment Date: 2/24/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
116977-01	TPHU647514-3	PCB Contaminated Floorsweep and Absorbent	12/27/88 ~~01/06/89~~ CT 2/24/09	534	20880	9470.96	9459.41
Totals				**534**	**20880**	**9470.96**	**9459.41**

See attached Drum List for specific information for each drum loaded into the bulk container.

Drum List Attachment, Page 3 of 3
Manifest Number: 001754694JJK
Shipment ID Number: 6202-15-0109
Shipment Date: 2/24/2009
Bulk Container ID Number: TPHU647514-3

Barcode	WasteID	RFD	Net Vol	Gross Wt	Description	PCB Date
PAD94C24579	CAS-15086	4750	7.4	192	FLOOR SWEEP	7/12/1989
PAD94C24708	CAS-15087	4750	7.4	191	FLOOR SWEEP	7/12/1989
PAD94C24580	CAS-15088	4750	7.4	237	FLOOR SWEEP	7/12/1989
PAD94C24843	CAS-15237	4750	7.4	222	FLOOR SWEEP	7/12/1989
PAD94C21307	CAS-15238	4750	7.4	234	FLOOR SWEEP	7/12/1989
PAD94C24971	CAS-15239	4750	7.4	221	FLOOR SWEEP	7/12/1989
PAD94C21306	CAS-15240	4750	7.4	247	FLOOR SWEEP	8/25/1989
PAD94C24979	CAS-15241	4750	7.4	219	FLOOR SWEEP	8/25/1989
PAD94C24970	CAS-15242	4750	7.4	219	FLOOR SWEEP	8/25/1989
PAD94C24986	CAS-14642	7727	7.4	247	FLOOR SWEEP	1/6/1989
PAD94C24854	CAS-14643	7727	7.4	225	FLOOR SWEEP	1/6/1989
PAD94C24987	CAS-14644	7727	7.4	190	FLOOR SWEEP	1/6/1989
PAD94C24855	CAS-14645	7727	7.4	238	FLOOR SWEEP	1/6/1989
PAD94C24993	CAS-14696	7727	7.4	216	FLOOR SWEEP	1/6/1989
PAD94C24994	CAS-14697	7727	7.4	224	FLOOR SWEEP	1/6/1989
PAD94C24845	CAS-14698	7727	7.4	244	FLOOR SWEEP	1/6/1989
PAD94C24977	CAS-14699	7727	7.4	233	FLOOR SWEEP	1/6/1989
PAD94C24846	CAS-14700	7727	7.4	257	FLOOR SWEEP	1/6/1989
PAD94C24978	CAS-14701	7727	7.4	235	FLOOR SWEEP	1/6/1989
PAD94C24584	CAS-15090	7745	7.4	211	ZORBALL	9/5/1989
PAD94C24454	CAS-15160	7745	7.4	190	FLOOR SWEEP	10/9/1989
PAD94C24318	CAS-15161	7745	7.4	212	FLOOR SWEEP	9/5/1989
PAD94C24989	CAS-15162	7745	7.4	171	FLOOR SWEEP	10/9/1989
PAD94C24453	CAS-15163	7745	7.4	181	FLOOR SWEEP	9/8/1989
PAD94C24578	CAS-15082	7750	7.4	220	FLOOR SWEEP	9/26/1989
PAD94C24577	CAS-15083	7750	7.4	335	FLOOR SWEEP	9/27/1989
PAD94C24707	CAS-15084	7750	7.4	217	FLOOR SWEEP	9/27/1989
PAD94C24706	CAS-15085	7750	7.4	220	FLOOR SWEEP	9/27/1989
PAD94C21308	CAS-15243	7750	7.4	199	FLOOR SWEEP	9/30/1989
PAD94C24842	CAS-15244	7750	7.4	196	FLOOR SWEEP	9/30/1989
PAD94C24719	CAS-15259	7750	7.4	222	FLOOR SWEEP	9/30/1989
PAD94C24975	CAS-15260	7750	7.4	234	FLOOR SWEEP	9/30/1989
PAD94C24838	CAS-15261	7750	7.4	263	FLOOR SWEEP	9/27/1989
PAD94C24583	CAS-10152	9235	7.4	463	ZORBALL	10/3/1989
PAD94C24992	CAS-15281	10931	7.4	254	ZORBALL	12/18/1989
PAD94C24711	CAS-15282	10931	7.4	252	ZORBALL	12/18/1989
PAD94C24717	CAS-15283	10931	7.4	189	ZORBALL	12/18/1989
PAD94C24716	CAS-15284	10931	7.4	210	FLOOR SWEEP	12/18/1989
PAD94C24991	CAS-15285	10931	7.4	260	FLOOR SWEEP/TRASH	12/18/1989
PAD94C24714	CAS-15286	10931	7.4	180	ZORBALL	12/18/1989
PAD94C24585	CAS-15287	10931	7.4	200	ZORBALL	12/18/1989
PAD94C24990	CAS-15288	10931	7.4	255	ZORBALL	12/18/1989
PAD94C24715	CAS-15289	10931	7.4	254	ZORBALL	12/18/1989
PAD94C24581	CAS-15290	10931	7.4	234	ZORBALL	12/18/1989
PAD94C24710	CAS-15291	10931	7.4	208	ZORBALL	12/18/1989
PAD94C24980	CAS-15247	10978	7.4	221	FLOOR SWEEP	9/26/1989
PAD04C04643	CAS-15250	10978	11.4	297	FLOOR SWEEP	9/26/1989
PAD94C24834	CAS-15251	10978	7.4	226	FLOOR SWEEP	9/26/1989
PAD04C04641	CAS-15252	10978	11.4	296	FLOOR SWEEP	9/26/1989
PAD04C04642	CAS-15253	10978	11.4	319	FLOOR SWEEP	9/26/1989
PAD94C24849	CAS-15254	10978	7.4	230	FLOOR SWEEP	9/26/1989
PAD94C24851	CAS-15256	10978	7.4	226	FLOOR SWEEP	9/26/1989
PAD94C02488	CAS-12935	11562	7.4	192	FLOOR SWEEP/MOPS	4/11/1991
PAD94C02487	CAS-12936	11562	7.4	178	FLOOR SWEEP/MOPS	4/11/1991
PAD94C02575	CAS-12938	11562	7.4	194	FLOOR SWEEP/MOPS	4/11/1991
PAD94C02576	CAS-12939	11562	7.4	174	FLOOR SWEEP/MOPS	4/11/1991
PAD94C02483	CAS-12907	11560	7.4	202	FLOOR SWEEP/MOPS	4/4/1991
PAD94C02580	CAS-12908	11560	7.4	246	FLOOR SWEEP/MOPS	4/4/1991
PAD94C02579	CAS-12909	11560	7.4	208	FLOOR SWEEP/MOPS	4/4/1991
PAD94C02485	CAS-12880	11561	7.4	160	FLOOR SWEEP/MOPS	4/9/1991
PAD94C02577	CAS-12881	11561	7.4	206	FLOOR SWEEP/MOPS	4/9/1991
PAD94C02486	CAS-12882	11561	7.4	194	FLOOR SWEEP/MOPS	4/9/1991
PAD94C02578	CAS-12883	11561	7.4	206	FLOOR SWEEP/MOPS	4/9/1991
PAD94C24830	CAS-15189	18307	7.4	144	FLOOR SWEEP	5/10/1991
PAD94C24576	CAS-15092	3637	7.4	311	ZORBALL	12/27/1988
PAD94C24841	CAS-14156	4752	7.4	212	FLOOR SWEEP	8/24/1989
PAD94C21309	CAS-14157	4752	7.4	220	FLOOR SWEEP	8/24/1989
PAD94C24718	CAS-14718	5643	7.4	392	FLOOR SWEEP	4/3/1990
PAD04C04602	CAS-14710	7749	11.4	340	FLOOR SWEEP	9/26/1989
PAD94C24985	CAS-14711	7749	7.4	123	FLOOR SWEEP	9/26/1989

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: KY 8890008982
2. Page 1 of: 3
3. Emergency Response Phone: 1-270-441-6211
4. Manifest Tracking Number: 001754695 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc.
U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 5946 MBq, Fissile Excepted	1	CM	3811	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Trailer-Truck: 4822 Truck: 333 TIDs: 0010326 & 0010392 PR05706 PCB Start Date: 03/16/89
ERG # 162 2/24/09 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info Shipment ID: 6202-15-0110

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of USDOE
Signature: LaChelle Telfair on behalf of USDOE
Month: 2 Day: 24 Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JAMES LEE PAYNE
Signature: James Lee Payne
Month: 2 Day: 24 Year: 09
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

RECEIVED 3-10-09 TS. MAR 25 2009 BY:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. Gardner
Signature:
Month: 2 Day: 27 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **DESIGNATED FACILITY TO GENERATOR**

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754695JJK

Shipment ID Number: 6202-15-0110

Shipment Date: 2/24/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
116978-01	TTSU202946-3	PCB Contaminated Trash, Floorsweep, and Absorbent	03/16/89	498	16680	7565.88	5945.75
Totals				**498**	**16680**	**7565.88**	**5945.75**

See attached Drum List for specific information for each drum loaded into the bulk container.

Drum List Attachment, Page 3 of 3
Manifest Number: 001754695JJK
Shipment ID Number: 6202-15-0110
Shipment Date: 2/24/2009
Bulk Container ID Number: TTSU202946-3

Barcode	WasteID	RFD	Net Vol	Gross Wt	Description	PCB Date
PAD94C24833	CAS-08581	7739	7.4	193	SWEEPING COMPOUND	3/16/1989
PAD94C24713	CAS-15089	7741	7.4	215	FLOOR SWEEP	4/18/1989
PAD94C24832	CAS-15098	7741	7.4	213	FLOOR SWEEP	4/18/1989
PAD94C22941	CAS-08747	9245	7.4	104	ZORBALL/RAGS/PADS	11/1/1989
PAD94C22942	CAS-08751	9245	7.4	131	ZORBALL/RAGS/PADS	11/1/1989
PAD94C22978	CAS-08752	9245	7.4	134	ZORBALL/RAGS/PADS	11/1/1989
PAD94C22869	CAS-09645	9288	7.4	130	OILY ZORBALL/PADS/TRASH	12/31/1989
PAD94C22985	CAS-09876	9295	7.4	492	ZORBALL	1/28/1990
PAD94C22884	CAS-09852	10998	7.4	300	FLOOR SWEEP	2/1/1990
PAD94C22885	CAS-09850	10998	7.4	282	FLOOR SWEEP	2/1/1990
PAD94C22901	CAS-10425	11606	7.4	104	PADS	4/3/1990
PAD94C24709	CAS-11199	13851	7.4	237	FLOOR SWEEP	7/18/1989
PAD94C21417	CAS-10161	15606	7.4	125	GLOVES	6/14/1990
PAD94C21418	CAS-10162	15607	7.4	439	ZORBALL, RAGS, GLOVES	6/14/1990
PAD94C02479	CAS-15279	5694	7.4	372	FLOOR SWEEEP	7/26/1989
PAD95C00634	CAS-17528	44495	7.4	144	RAGS/ZORBALL	12/12/1994
PAD94C22951	CAS-08749	9239	7.4	387	OILY ZORBALL	10/16/1989
PAD94C22839	CAS-09656	9288	7.4	185	OILY ZORBALL/PADS/TRASH	12/31/1989
PAD94C22840	CAS-09655	9288	7.4	185	OILY ZORBALL/PADS/TRASH	12/31/1989
PAD94C22888	CAS-09685	9288	7.4	100	OILY ZORBALL/PADS/TRASH	12/31/1989
PAD94C22952	CAS-10959	10831	7.4	88	OIL SOAKED PADDING & PIG PANS	8/3/1990
PAD94C22977	CAS-10840	10839	7.4	97	WASTE PADS, PIGS & ZORBALL	9/5/1990
PAD94C22981	CAS-10836	10839	7.4	78	WASTE PADS, PIGS & ZORBALL	9/5/1990
PAD04C04106	CAS-09855	10998	11.4	359	FLOOR SWEEP	2/1/1990
PAD94C22881	CAS-09854	10998	7.4	263	FLOOR SWEEP	2/1/1990
PAD94C22918	CAS-09858	10998	7.4	226	FLOOR SWEEP	2/1/1990
PAD94C22986	CAS-09853	10998	7.4	238	FLOOR SWEEP	2/1/1990
PAD94C22966	CAS-10426	11606	7.4	117	PADS	4/3/1990
PAD94C22967	CAS-10395	11606	7.4	106	PADS	4/3/1990
PAD94C02887	CAS-12941	11563	7.4	194	FLOOR SWEEP/MOPS	4/16/1991
PAD94C22912	CAS-11207	11662	7.4	103	OILY PANS, PIGS & TRASH	11/22/1990
PAD94C02889	CAS-14237	15226	7.4	192	FLOOR SWEEP	6/6/1991
PAD94C26976	CAS-15295	16650	11.4	400	FLOOR SWEEP	2/6/1990
PAD94C26991	CAS-15294	16650	11.4	275	FLOOR SWEEP	2/6/1990
PAD94C26992	CAS-15293	16650	11.4	375	FLOOR SWEEP	2/6/1990
PAD94C24712	CAS-10155	9235	7.4	363	ZORBALL	10/3/1989
PAD94C24840	CAS-15292	9802	7.4	250	FLOOR SWEEP	8/22/1989
PAD94C02899	CAS-12942	11563	7.4	193	FLOOR SWEEP/MOPS	4/16/1991
PAD94C02900	CAS-12943	11563	7.4	191	FLOOR SWEEP/MOPS	4/16/1991
PAD94C22855	CAS-09680	9288	7.4	181	OILY ZORBALL/PADS/TRASH	12/31/1989
PAD94C22919	CAS-09653	9288	7.4	185	OILY ZORBALL/PADS/TRASH	12/31/1989
PAD94C22984	CAS-09877	9295	7.4	484	ZORBALL	1/28/1990
PAD94C22837	CAS-09859	10998	7.4	260	FLOOR SWEEP	2/1/1990
	W07981		168	1000	PCB Empty Contaminated Container (Vacuum)	2/12/2009

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name U.S. DOE - Paducah Manifest Doc. No. 001754699JJK

Profile No. 9306-02 State Manifest No.: N/A

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	**D006**	**Cadmium**	☒	**A**
2			☐	
3			☐	
4			☐	

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☐
If no UHCs are present in the waste upon its initial generation check here: ☒
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. Or 8 **RESTRICTED WASTE REQUIRES TREATMENT**
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 **RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS**
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 **GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS**
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 **DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS**
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. **RESTRICTED WASTE SUBJECT TO A VARIANCE**
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. **RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT**
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. **WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS**
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Jan Elliott / Jan Elliott Title Characterization Lead Date 3/12/09

Form -A1
Page 1

LAND DISPOSAL NOTIFICATIC ' AND CERTIFICATION FORM (PHAS= IV) – REVERSE SIDE

If the waste identified on the first page of this form is desc.ed by any of the following USEPA hazardous waste codes: F , F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then th underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

LAND DISPOSAL N TIFICATION AND CERTIFICATION F M (PHASE IV)

Generator Name U.S. DOE - Paducah Manifest Doc. No. 001754699JJK

Profile No. 9306-02 State Manifest No.: N/A

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
5			☐	
6			☐	
7			☐	
8			☐	
9			☐	
10			☐	
11			☐	
12			☐	
13			☐	
14			☐	
15			☐	
16			☐	
17			☐	
18			☐	
19			☐	
20			☐	
21			☐	
22			☐	
23			☐	
24			☐	
25			☐	
26			☐	
27			☐	
28			☐	
29			☐	
30			☐	
31			☐	
32			☐	
33			☐	
34			☐	
35			☐	

To identify F039 or D001-D043 underlying hazardous constituent(s), use the "F039/Underlying Hazardous Constituent Form: ☐

If no UHCs are present in the waste upon its initial generation check here: ☒

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Jan Elliott Jan Elliott

Title Characterization Lead Date 3/12/09

Form A2
Page 1

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754697 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone: — U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Np-237, Tc-99, Th-230, U-234, U-235, U-238, U-Dep, Solid/Oxide, 1127 MBq, Fissile Excepted	2	CM	693	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 333 Trailer: 4821
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 05/29/07
If undeliverable, return to generator
Shipment ID: 6202-15-0111

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE — Signature: Carrie Maxie — Month/Day/Year: 03/06/09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JAMES LEE PAYNE — Signature: James Lee Payne — Month/Day/Year: 3/6/09
Transporter 2 Printed/Typed Name — Signature — Month/Day/Year:

RECEIVED MAR 13 2009 D

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month/Day/Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee — Signature: Justin Lee — Month/Day/Year: 3/11/09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754697JJK

Shipment ID Number: 6202-15-0111

Shipment Date: 3/6/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	TIDs
108951-01	PAD07C03284	EXCESS PCB EQUIPMENT (PUMPS, HOSES, FILTERS, ETC...). NO FREE LIQUIDS - ABSORBENT PADS PRESENT IN CONTAINERS. EQUIPMENT USED BY ELECTRICAL MAINTENANCE ON PCB SYSTEMS.	05/29/07	90	1700	771.10	663.52	0028576 & 0028590
108951-03	PAD07C03278	EXCESS PCB EQUIPMENT (PUMPS, HOSES, FILTERS, ETC...). NO FREE LIQUIDS - ABSORBENT PADS PRESENT IN CONTAINERS. EQUIPMENT USED BY ELECTRICAL MAINTENANCE ON PCB SYSTEMS.	05/29/07	90	1428	647.73	462.99	0028586 & 0028588
Totals	**2**			**180**	**3128**	**1418.83**	**1126.51**	

RT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754699 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Waste Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(Asbestos, PCB), Np-237, Tc-99, U-234, Solid/Oxide,4 MBq, Fissile Excepted	1	DM	2	K	D006
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 1078 Trailer: U80154 TID: 0552082 Accumulation Start Date: 12/13/00 PCB Start Date: 11/06/02
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info Shipment ID: 9306-02-0016

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on Behalf of US DOE — Signature: Carrie Maxie — Month 03 Day 13 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Kyen Dougherty — Signature: Kyen Dougherty — Month 03 Day 13 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number — RECEIVED MAR 1 2009

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year — BY: TS

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Justin Lee — Signature: Justin Lee — Month 3 Day 16 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754699JJK
Shipment ID Number: 9306-02-0016
Shipment Date: 3/13/2009

RFD	WASTE ID	Barcode Number	Description	Accumulation Start Date	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
125055	125055-01	PAD07C03397	PCB/HAZ/ POTENTIAL ASBESTOS CONTAMINATED LIGHT FIXTURE	12/13/2000	11/6/2002	0.67	17	7.71	4.06
	Totals	1				**0.67**	**17.00**	**7.71**	**4.06**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754701 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, Am-241, Np-237, Th-230, Solid/Oxide, 8 MBq	1	CM	12	K	F001	F002	U238
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Truck: 933 Trailer: 4848 Accumulation Start Date: 07/12/89 PCB Start Date: 07/12/89
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info Shipment ID: 9306-02-0017

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE — Signature: Carrie Maxie — Month: 03 Day: 27 Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jerry Wyatt — Signature: Jerry Wyatt — Month: 3 Day: 27 Year: 09

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number: U.S. EPA ID Number:

RECEIVED APR 16 2009 BY: TS

18b. Alternate Facility (or Generator)
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129		TS	

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Justin Lee — Signature: Justin Lee — Month: 3 Day: 30 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **DESIGNATED FACILITY TO GENERATOR**

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754701JJK
Shipment ID Number: 9306-02-0017
Shipment Date: 3/27/2009

RFD	WASTE ID	Barcode Number	Description	Accumulation Start Date	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	TID Numbers
125089	125089-01	PAD08C05275	PPE, BCS WASTE, PLASTIC, AND TOOLS FROM TCE OILY SLUDGE PROJECT REMOVED FROM 125086-01.	7/12/1989	7/12/1989	90	826	374.67	7.73	0025714 / 0025715
	Totals	**1**				**90.00**	**826.00**	**374.67**	**7.73**	

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name U.S. DOE - Paducah Manifest Doc. No. 001754701JJK

Profile No. 9306-02 State Manifest No.: N/A

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	**F001**	**trichloroethylene and 1,1,1-trichloroethane**	☐	**A**
2	**F002**	**trichloroethylene and 1,1,1-trichloroethane**	☐	**A**
3	**U228**	**Trichloroethylene**	☐	**A**
4			☐	

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☐
If no UHCs are present in the waste upon its initial generation check here: ☒
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. Or 8 **RESTRICTED WASTE REQUIRES TREATMENT**
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 **RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS**
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 **GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS**
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 **DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS**
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. **RESTRICTED WASTE SUBJECT TO A VARIANCE**
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. **RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT**
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. **WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS**
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature [signature] Title Characterization Date 3/27/09

Form -A1
Page 1

LAND DISPOSAL NOTIFICATIC AND CERTIFICATION FORM (PHAS V) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then th underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008952	2	1-270-441-6211	001754703 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
751 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ (PCB), Np-237, Tc-99, Th-230, U-234, U-235, U-238, U-Dep, Solid/Oxide, 1219 MBq, Fissile Excepted	1	CM	750	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: ~~933~~ 3911 Trailer: 4848
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT. See PCB Attachment for Additional Info
PCB Start Date: 05/29/07
If undeliverable, return to generator
Shipment ID: 6202-15-0112

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on Behalf of USDOE | Signature: Carrie Maxie | Month 03 | Day 27 | Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jerry Wyatt | Signature: Jerry Wyatt | Month 3 | Day 27 | Year 09

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number: U.S. EPA ID Number:

18b. Alternate Facility (or Generator)
Facility's Phone:

RECEIVED APR 01 2009 BY: TS

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Justin Lee | Signature | Month 3 | Day 30 | Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. GO TO NEXT FACILITY OR DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754703JJK

Shipment ID Number: 6202-15-0112

Shipment Date: 3/27/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	TID Numbers
108951-02	PAD07C03283	EXCESS PCB EQUIPMENT (PUMPS, HOSES, FILTERS, ETC...). NO FREE LIQUIDS - ABSORBENT PADS PRESENT IN CONTAINERS. EQUIPMENT USED BY ELECTRICAL MAINTENANCE ON PCB SYSTEMS.	05/29/07	90	2454	1113.11	1219.40	0028587 / 0028589
Totals				**90**	**2454**	**1113.11**	**1219.40**	

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: KY 8890008982
2. Page 1 of: 2
3. Emergency Response Phone: 1-270-441-6211
4. Manifest Tracking Number: 001754704 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services
U.S. EPA ID Number: TND987783085

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ (F001, F002), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 666 MBq, Fissile Excepted	4	DM	114	K	F001	F002	U228
X	2. Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ (F002), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 156 MBq, Fissile Excepted	1	DM	27	K	F002	F003	F005
X	3. Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ (F001, F002), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 629 MBq, Fissile Excepted	4	DM	108	K	D018 F003	F001 U228	F002
	4.							

14. Special Handling Instructions and Additional Information
Truck: 510A Trailer: U38216 TID: 0552087 Accumulation Start Date: 03/26/02 PCB Start Date: 03/27/02
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info Shipment ID: 9306-02-0018

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Mayle on behalf of USDOE
Signature: Carrie A Mayle
Month: 03 Day: 31 Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Timothy G. Vigil
Signature:
Month: 3 Day: 31 Year: 09

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

RECEIVED APR 15 2009 BY: TS

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129	H129	H129	

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Justin Lee
Signature:
Month: 4 Day: 3 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Shipment ID Number: 9306-02-0018

Manifest Number: 001754704JJK

Shipment Date: 3/31/2009

UHWM Section ID	Container / WASTE ID	Barcode Number	Description	PCB Date to Storage	Accumulation Start Date	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
9.b.1.	104931-02	PAD02C05302	PCB CONTAMINATED DEBRIS: PPE, CUT UP WOOD FROM PALLETS AND PLYWOOD RAGS CONTAMINATED WITH SOY GOLD AND 409. PCB-704, SPILL CLEAN UP OF LEAKING DRUM RFD 13065 (CAS-1236).	03/27/02	03/26/02	7.4	154	69.85	258.90
9.b.1.	107727-01	PAD04C04976	BCS WASTE (PAPER, PLASTIC, PPE, PIGS, PADS...) FROM AGREED ORDER SAMPLING.	06/03/04	06/03/04	7.4	105	47.63	129.45
9.b.1.	109157-01	PAD08C05318	BCS SAMPLING DEBRIS - PPE, PLASTIC, PADS, GLASS	06/12/08	06/12/08	7.4	127	57.61	187.57
9.b.1.	109162-01	PAD08C05061	PPE/SAMPLING DEBRIS FROM TSCAL07-01 PROJECT	02/27/08	02/27/08	7.4	90	40.82	89.82
9.b.2.	109163-01	PAD08C05060	PPE/SAMPLING DEBRIS FROM TSCAL07-01 PROJECT	02/27/08	02/27/08	7.4	115	52.16	155.87
9.b.3.	113891-01	PAD07C03371	PPE/PLASTIC/PADS/RAGS GENERATED FROM SHIPMENT OF TSCAL05-02 (638-01R). RAGS FOUND FROM 109738-01 FOUND AFTER PUMPING.	10/10/07	05/06/05	7.4	162	73.48	280.03
9.b.3.	113891-02	PAD07C03295	PPE/PLASTIC/PADS/RAGS GENERATED FROM SHIPMENT OF TSCAL05-02 (638-01R). RAGS FOUND FROM 109738-01 FOUND AFTER PUMPING.	10/10/07	05/06/05	7.4	75	34.02	50.19
9.b.3.	113891-03	PAD07C03296	PPE/PLASTIC/PADS/RAGS GENERATED FROM SHIPMENT OF TSCAL05-02 (638-01R). RAGS FOUND FROM 109738-01 FOUND AFTER PUMPING.	10/10/07	05/06/05	7.4	85	38.56	76.61
9.b.3.	113891-04	PAD07C03294	PPE/PLASTIC/PADS/RAGS GENERATED FROM SHIPMENT OF TSCAL05-02 (638-01R). RAGS FOUND FROM 109738-01 FOUND AFTER PUMPING.	10/10/07	05/06/05	7.4	140	63.50	221.91
	Totals	**9**				**66.60**	**1053.00**	**477.63**	**1450.34**

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No. : 001754704JJK

Profile No.: 9306-02 State Manifest No.:

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW.
		DESCRIPTION	NONE	
1	D018		☒	A
2	F001		☒	A
3	F002		☒	A
4	F005		☒	A

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature J. Jan Elliott Title Waste Characterization Specialist Date 3/21/09

Form A1
Page 1 of 2

WSD-F-0087 (Rev. 2)
PRS-WSD-0437 (Rev. 2)

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s)	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s)	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM
(PHASE IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 001754704JJK
Profile No.: 9306-02 State Manifest No.:

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF. #	3. USEPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY. ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
5	F005		☒	A
6	U228		☒	A
7			☐	
8			☐	
9			☐	
10			☐	
11			☐	
12			☐	
13			☐	
14			☐	
15			☐	
16			☐	
17			☐	
18			☐	
19			☐	
20			☐	
21			☐	
22			☐	
23			☐	
24			☐	
25			☐	
26			☐	
27			☐	
28			☐	
29			☐	
30			☐	
31			☐	
32			☐	
33			☐	
34			☐	
35			☐	

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature_____

Title_____ Date_____

WSD-F-0087 (Rev. 2)
PRS-WSD-0437 (Rev. 2)

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: _____

Profile No.: _____ State Manifest No.: _____

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1 PAGE 1
		DESCRIPTION	NONE	
36			☐	
37			☐	
38			☐	
39			☐	
40			☐	
41			☐	
42			☐	
43			☐	
44			☐	
45			☐	
46			☐	
47			☐	
48			☐	
49			☐	
50			☐	
51			☐	
52			☐	
53			☐	
54			☐	
55			☐	
56			☐	
57			☐	
58			☐	
59			☐	
60			☐	
61			☐	
62			☐	
63			☐	
64			☐	
65			☐	

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature_____

Title_____ Date_____

Form A2
Page 2 of 2

WSD-F-0087 (Rev. 2)
PRS-WSD-0437 (Rev. 2)

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS) (Phase IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 001754704JJK

Profile No.: 9306-02 State Manifest No.:

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone	A	0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether	A	0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol		0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol		0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol		0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene	A	0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide	A	3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride	A	0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)	A	0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol		0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine	A	0.014	16
Methanol	A	5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane	A	0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane	A	0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene	A	0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony	A	1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene	A	0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium	A	1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium	A	0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane	A	0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane	A	0.054	6.0	Chromium (Total)	A	2.77	0.60 mg/l TCLP[4]
Trichloroethylene	A	0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol		0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead	A	0.69	0.75 mg/l[4]
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)	A	0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel	A	3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver	A	0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium	A	1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	2	1-270-441-6211	001754706 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ (F001, F002), Am-241, Pu-238, Pu-239, Tc-99, Th-230, U-234, Solid/Oxide, 0 MBq, Fissile Excepted	1	DM	5	K	F001 F002 U228 F005 F007 F009
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 510 Trailer: U38276 TID: 0552087 Accumulation Start Date: 08/21/07 PCB Start Date: 08/15/06
ERG # 162 In the event of an RQ Release, call 1-800-424-9802 If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info Shipment ID: 9306-07-0004 02-0019

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of US DOE — Signature: Carrie Maxie — Month 03 Day 31 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Timothy G. Vigil — Signature — Month 3 Day 31 Year 9
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number: U.S. EPA ID Number

RECEIVED APR 15 2009 BY:

18b. Alternate Facility (or Generator)
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129		T5	T5

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee — Signature — Month 4 Day 3 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Shipment ID Number: 9306-02-0019

Manifest Number: 001754706JJK

Shipment Date: 3/31/2009

Container / WASTE ID	Barcode Number	Description	PCB Date to Storage	Accumulation Start Date	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
104985-01	PAD07C03286	COMBUSTIBLE SOLID LAB WASTE; PREDOMINATELY HEXANES AND ACETONE CONTAMINATED.	08/15/06	08/21/07	0.67	22	9.98	7.58
Totals	**1**				**0.67**	**22.00**	**9.98**	**7.58**

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 001754706JJK

Profile No.: 9306-072 CAH 3/31/09 State Manifest No.:

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY. ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE. DESCRIPTION	NONE	5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
1	F001		☒	A
2	F002		☒	A
3	F005		☒	A
4	F007		☒	A

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☐
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Jan Elliott Title Waste Characterization Specialist Date 3/31/09

Form A1
Page 1 of 2

WSD-F-0087 (Rev. 2)
PRS-WSD-0437 (Rev. 2)

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s)	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s)	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM
(PHASE IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 001754706JJK
Profile No.: 9306-07 State Manifest No.:

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. USEPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY. ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
5	F009		☒	A
6	U002		☒	A
7	U025		☒	A
8	U075		☒	A
9	U080		☒	A
10	U159		☒	A
11	U211		☒	A
12	U228		☒	A
13			☐	
14			☐	
15			☐	
16			☐	
17			☐	
18			☐	
19			☐	
20			☐	
21			☐	
22			☐	
23			☐	
24			☐	
25			☐	
26			☐	
27			☐	
28			☐	
29			☐	
30			☐	
31			☐	
32			☐	
33			☐	
34			☐	
35			☐	

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature_____

Title_____ Date_____

WSD-F-0087 (Rev. 2)
PRS-WSD-0437 (Rev. 2)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	4	1-270-441-6211	001754709 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hiltman Transport Services — U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Diversified Scientific Services, Inc. (DSSI)
657 Gallaher Rd, Kingston, TN 37763
1-865-376-8747
Facility's Phone:
U.S. EPA ID Number: TND982109142

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Hazardous waste, liquid, n.o.s., (PCB), 9, NA3082, PG-III	16	DM	2886	K	D007 D027 D030 D032 D033 D034
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 510A Trailer: U32910 TID: 0553100 PCB Start Date: 01/24/08 Accumulation Start Date: 01/24/08
ERG # 171 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
See PCB Attachment and TSCA Waste Data Sheet for Additional Info Shipment ID: DSSI-09-045

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE — Signature: Carrie Maxie — Month 03 Day 31 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Timothy G. Vigil — Signature — Month 3 Day 31 Year 9

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED APR 14 2009 BY:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Dawn Garrett — Signature: Dawn Garrett — Month 04 Day 07 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

AD-107-09

DESIGNATED FACILITY TO GENERATOR

PCB & Additional Information Attachment, Page 2 of 4

Manifest Number: 001754709JJK

Shipment ID Number: DSSI-09-045

Shipment Date: 3/31/2009

Clarice Nance 3/31/09

RFD	WASTE ID	Barcode Number	Description	Accumulation Start Date	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	PCB Dates to Storage
108895	108895-01	PAD08C05068	VENTILATION DUCT LIQUID	1/24/08	6.63	470	213.19	1.32	1/24/2008
108895	108895-02	PAD08C05086	VENTILATION DUCT LIQUID	3/5/08	6.44	458	207.74	1.28	3/5/2008
108895	108895-03	PAD08C05087	VENTILATION DUCT LIQUID	4/1/08	6.60	468	212.28	1.32	4/1/2008
108895	108895-04	PAD08C05277	VENTILATION DUCT LIQUID	4/23/08	6.60	468	212.28	1.32	4/23/2008
108895	108895-05	PAD08C05276	VENTILATION DUCT LIQUID	4/23/08	6.66	478	216.82	1.35	4/23/2008
108895	108895-06	PAD08C05292	VENTILATION DUCT LIQUID	5/29/08	6.57	466	211.37	1.31	5/29/2008
108895	108895-07	PAD08C05360	VENTILATION DUCT LIQUID	6/25/08	6.66	473	214.55	1.33	6/25/2008
108898	108898-01	PAD08C05378	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	8/13/08	6.66	472	214.09	1.33	8/13/2008
108898	108898-02	PAD08C06111	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	10/1/08	6.41	456	206.84	1.28	10/1/2008
108898	108898-03	PAD08C06154	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	11/3/08	5.93	426	193.23	1.18	11/3/2008
108898	108898-04	PAD08C06194	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	11/6/08	6.55	465	210.92	1.31	11/6/2008
108898	108898-05	PAD09C10161	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	2/2/09	6.52	463	210.01	1.30	2/2/2009
108898	108898-06	PAD09C10162	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	2/3/09	6.31	450	204.12	1.26	2/3/2009
108898	108898-07	PAD09C10163	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	2/4/09	5.87	422	191.41	1.17	2/4/2009
108900	108900-01	PAD08C06193	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS.	12/8/08	6.49	461	209.10	1.29	12/8/2008
108900	108900-03	PAD09C10171	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS.	2/10/09	4.90	362	164.20	0.98	2/10/2009
	Totals	**16**			**101.82**	**7258**	**3292.16**	**20.32**	

TSCA WASTE DATA SHEET

ATTACHMENT TO:
Manifest #: 001754709JJK

WASTE PROFILE NUMBER: HWM LINE NUMBER:	GENERATOR'S UNIQUE IDENTIFYING NUMBER	DESCRIPTION OF PCB WASTE	DATE OF REMOVAL FROM SERVICE OR DISPOSAL	WEIGHT IN KILOGRAMS[1]
09-03-017 9b.1.	108895-01	Vent Duct Liquids wPCBs	24-Jan-08	187.8
09-03-017 9b.1.	108895-02	Vent Duct Liquids wPCBs	05-Mar-08	182.3
09-03-017 9b.1.	108895-03	Vent Duct Liquids wPCBs	01-Apr-08	186.9
09-03-017 9b.1.	108895-04	Vent Duct Liquids wPCBs	23-Apr-08	186.9
09-03-017 9b.1.	108895-05	Vent Duct Liquids wPCBs	23-Apr-08	191.4
09-03-017 9b.1.	108895-06	Vent Duct Liquids wPCBs	29-May-08	186.0
09-03-017 9b.1.	108895-07	Vent Duct Liquids wPCBs	25-Jun-08	189.1
09-03-017 9b.1.	108898-01	Vent Duct Liquids wPCBs	13-Aug-08	188.7
09-03-017 9b.1.	108898-02	Vent Duct Liquids wPCBs	01-Oct-08	181.4
09-03-017 9b.1.	108898-03	Vent Duct Liquids wPCBs	03-Nov-08	167.8
09-03-017 9b.1.	108898-04	Vent Duct Liquids wPCBs	06-Nov-08	185.5
09-03-017 9b.1.	108898-05	Vent Duct Liquids wPCBs	02-Feb-09	184.6
09-03-017 9b.1.	108898-06	Vent Duct Liquids wPCBs	03-Feb-09	178.7

WASTE PROFILE NUMBER: HWM LINE NUMBER:	GENERATOR'S UNIQUE IDENTIFYING NUMBER	DESCRIPTION OF PCB WASTE	DATE OF REMOVAL FROM SERVICE OR DISPOSAL	WEIGHT IN KILOGRAMS[1]
09-03-017 9b.1.	108898-07	Vent Duct Liquids wPCBs	04-Feb-09	166.0
09-03-017 9b.1.	108900-01	Vent Duct Liquids wPCBs	08-Dec-08	183.7
09-03-017 9b.1.	108900-03	Vent Duct Liquids wPCBs	10-Feb-09	138.8

[1] Net waste weight excluding container or other basis

Perma-Fix Environmental Services, Inc
657 Gallaher Road, Kingston, TN 37763
Phone: 865-376-0084
Fax: 865-376-0087

Date Sent: 4/7/09

ACKNOWLEDGMENT OF RECEIPT OF RADIOACTIVE WASTE

This is to certify that the radioactive material described below was received at the Diversified Scientific Services, Inc. (DSSI) facility in Kingston, Tennessee. This certification satisfies the requirements of Title 10 Code of Federal Regulations Part 20, Appendix G and the Tennessee "State Regulations for Protection Against Radiation". This letter acknowledges receipt of the waste only. Waste analysis has not been completed. If any discrepancies exist after waste analysis is complete, you will be contacted by separate correspondence.

Manifest Number: 001754709JJK

Shipment Authorization #: DSSI-09-045

Generator Name: United States Enrichment Corporation
Address: Paducah Gaseous Diffusion Plant
5600 Hobbs Road
Paducah, KY 42053

Attention: Carrie Maxie

Shipper: Hittman Transport

Date Received: 4/7/09

Waste Tracking Specialist Signature: Dawn Garrett Date: 4/7/09

Discrepancies (if any):

RECEIVED
APR 20 2009
BY:

AD-013, REV. 23
APPENDIX B, PAGE 1

AD-0107-09

May 8, 2009

Ms. Carrie Maxie
US DOE c/o Paducah Remediation Services
761 Veterans Avenue
Kevil, KY 42053

Subject: Hazardous Waste Manifest 001754709 JJK

Ms. Carrie Maxie:

This is to notify you that wastes generated by your facility, and as described on the enclosed Hazardous Waste Manifest, have been received by Diversified Scientific Services, Inc.

If you have any questions concerning these wastes, please feel free to call me at (865) 376-0084.

Sincerely,

Gloria Bates
Customer Service Representative

File: DSSI-09-045

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No. : 001754709JJK

Profile No.: 09-03-017 State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D006		☒	A
2	D007		☒	A
3	D008	TCLP Lead	☐	A
4	D009	Low Mercury Subcategory-Not from RMERC	☐	A

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☒

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Hoffman Title Waste Characterization Specialist Date 3/25/09

LAND DISPOSAL NOTIFICATIC AND CERTIFICATION FORM (PHAS V) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F0 , F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then t underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

LAND DIS' SAL NOTIFICATION AND CERTIFIC ION FORM
(PHASE IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 001754709JJK
Profile No.: 09-03-017 State Manifest No.: NA

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
5	D011		☒	A
6	D027		☒	A
7	D030		☒	A
8	D032		☒	A
9	D033		☒	A
10	D034		☒	A
11	D036		☒	A
12	D038		☒	A
13	D042		☒	A
14			☐	
15			☐	
16			☐	
17			☐	
18			☐	
19			☐	
20			☐	
21			☐	
22			☐	
23			☐	
24			☐	
25			☐	
26			☐	
27			☐	
28			☐	
29			☐	
30			☐	
31			☐	
32			☐	
33			☐	
34			☐	
35			☐	

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Heffron

Title **Waste Characterization Specialist** Date 3/25/09

Form A2
Page 1 of 2

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

LAND DISPOSAL NC FICATION AND CERTIFICATION FO 1 (PHASE IV)

Generator Name: US Department of Energy (Paducah Site)

Manifest Doc. No.:

Profile No.:

State Manifest No.:

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
36			☐	
37			☐	
38			☐	
39			☐	
40			☐	
41			☐	
42			☐	
43			☐	
44			☐	
45			☐	
46			☐	
47			☐	
48			☐	
49			☐	
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58			☐	
59			☐	
60			☐	
61			☐	
62			☐	
63			☐	
64			☐	
65			☐	

Not Applicable
3/25/09
SH

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge,and information.

Signature_____

Title_____ Date_____

Form A2
Page 2 of 2

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

F039/UNDERLY. G HAZARDOUS CONSTITUENT FOI (UTS) (Phase IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 001754709JJK

Profile No.: 09-03-017 State Manifest No.: NA

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol	A	0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol	A	0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol	A	0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)	A	0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol	A	0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony	A	1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium		1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium	A	0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium		0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.60 mg/l TCLP[4]
Trichloroethylene		0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol	A	0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead		0.69	0.75 mg/l[4]
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)		0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel		3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver		0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium	A	1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754713 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Paducah & Louisville Railway, Inc — U.S. EPA ID Number: KYD000735845

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 15786 MBq, Fissile Excepted	1	CM	3076	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Railcar: GBRX20704
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 05/10/84
If undeliverable, return to generator
Shipment ID: 6202-15-0113

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of DOE — Signature: LaChelle Telfair — Month 03 Day 31 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: LaChelle Telfair on behalf of P&L — Signature: LaChelle Telfair — Month 03 Day 31 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED APR 25 2009 BY:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Albert Evans — Signature: Albert Evans — Month 4 Day 20 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754713JJK

Shipment ID Number: 6202-15-0113

Shipment Date: 3/31/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
109626-01	TRIU291315-1	PCB Contaminated Trash, Floorsweep, and Absorbent	05/10/84	483.47	16740	7593.10	15785.86
Totals				**483.47**	**16740**	**7593.10**	**15785.86**

See attached Drum List for specific information for each drum loaded into the bulk container.

Drum List Attachment, Page 3 of 3
Manifest Number: 001754713JJK
Shipment ID Number: 6202-15-0113
Shipment Date: 3/31/2009
Bulk Container ID Number: TRIU291315-1

Barcode	WasteID	RFD	Net Vol	Gross Wt	Description	Origin Date	PCB Date
PAD94C36693	07710-01	7710	7.4	136	TRASH/PLASTIC/PAPER/RAGS/COVERALLS	26-May-89	30-Jun-00
PAD95C00724	49667-01	49667	7.4	103	PPE	10-Mar-95	19-Mar-03
PAD95C01448	51367-01	51367	7.4	103	PAPER/PLASTIC	28-Sep-95	28-Sep-95
PAD95C01694	54607-01	54607	7.4	87	RAGS/PLASTIC/GLASS	02-Nov-95	14-Mar-95
PAD97C01391	55771-01	55771	7.4	104	PPE/RAGS/DRUM STRAPS(HARNESS)	28-Sep-97	28-Sep-97
PAD98C02116	61869-01	61869	7.4	94	PAPER/PLASTIC/PPE/FLAGGING	19-Aug-98	12-Jul-89
PAD98C02111	62599-01	62599	7.4	95	PPE/PAPER/PLASTIC	26-Aug-98	31-Aug-98
PAD94C26996	CAS-00170	92058	7.4	215	MISCELLANEOUS PCB CONTAMINATED SOLIDS	23-May-86	23-May-86
PAD94C25920	CAS-00271	92059	7.4	485	MISCELLANEOUS	15-May-84	15-May-84
PAD94C25953	CAS-00501	92060	7.4	430	MISCELLANEOUS	28-Jul-83	28-Jul-03
PAD94C26031	CAS-02294	92055	7.4	100	HYDRAULIC CLEANUP	11-Dec-84	11-Dec-84
PAD94C26064	CAS-02655	1566	7.4	177	MISCELLANEOUS; MISCELLANEOUS PCB AND URANIUM CONTAMINATED ITEMS	12-Aug-86	12-Aug-86
PAD94C26094	CAS-02656	1569	7.4	115	MISCELLANEOUS	29-Sep-86	29-Sep-86
PAD94C26063	CAS-03695	4769	7.4	256	PCB AND URANIUM CONTAMINATED WASTE, C-740-M COLLECTION CONTAINER	04-Aug-87	04-Aug-07
PAD94C03681	CAS-06158	22004	7.4	105	PLASTIC FLAGS/CARDBOARD	20-Apr-92	21-Mar-89
PAD94C26095	CAS-06171	92044	7.4	337	MISC SOLIDS	07-Aug-86	07-Aug-86
PAD94C00557	CAS-08418	4818	7.4	81	U-CONT COLLECTION DRUM	04-May-89	04-May-89
PAD95C00758	CAS-08558	9283	7.4	118	TRASH	25-Jun-90	25-Jun-90
PAD94C00244	CAS-08590	9283	7.4	130	TRASH; SOLID ASKAREL WASTE	25-Jun-90	25-Jun-90
PAD94C01866	CAS-09469	7498	7.4	107	TRASH	13-Nov-89	13-Nov-89
PAD94C00439	CAS-09470	7496	7.4	187	TRASH	13-Nov-89	13-Nov-89
PAD94C22074	CAS-09708	8548	7.4	122	RAGS/GLOVES	06-Feb-90	07-Feb-90
PAD94C00310	CAS-09742	2021	7.4	350	PCB URANIUM CONTAMINATED WASTE, DEBRIS	21-Sep-89	21-Sep-89
PAD94C00400	CAS-09747	92041	7.4	89	PPE/PAPER/WOOD/METAL NUTS AND BOLTS; DEBRIS / TRASH	23-Mar-90	23-Mar-90
PAD94C22857	CAS-09774	9553	7.4	95	TRASH - LANDFILL DUMP SAMPLES	20-Sep-89	20-Sep-89
PAD94C22852	CAS-09784	9407	7.4	195	RAGS/PLASTIC; CONTAMINATED TRASH	21-Sep-89	21-Sep-89
PAD94C00791	CAS-09800	4907	7.4	103	PCB SOLIDS, TRASH	09-Nov-89	09-Nov-89
PAD94C00731	CAS-09801	4907	7.4	105	TRASH	09-Nov-89	09-Nov-89
PAD94C00790	CAS-09802	4907	7.4	184	TRASH	09-Nov-89	09-Nov-89
PAD94C00730	CAS-09803	4907	7.4	363	TRASH	09-Nov-89	09-Nov-89
PAD94C22853	CAS-09821	9842	7.4	390	DEBRIS/PLASTIC/DIRT	31-Oct-89	31-Oct-89
PAD94C22873	CAS-09822	9842	7.4	147	DEBRIS/PLASTIC/DIRT	31-Oct-89	31-Oct-89
PAD94C22875	CAS-09823	9842	7.4	119	DEBRIS/PLASTIC/DIRT	31-Oct-89	31-Oct-89
PAD94C00520	CAS-09825	9842	7.4	151	DEBRIS/PLASTIC/DIRT	31-Oct-89	31-Oct-89
PAD94C00525	CAS-09827	6284	7.4	125	TRASH	27-Jul-89	27-Jul-89
PAD94C22858	CAS-09828	6284	7.4	193	TRASH - LANDFILL SAMPLES	27-Jul-89	27-Jul-89
PAD94C00839	CAS-09829	7160	7.4	152	TRASH (PLASTIC)	06-Feb-90	06-Feb-90
PAD94C00778	CAS-09830	7160	7.4	87	TRASH (PLASTIC)	06-Feb-90	06-Feb-90
PAD94C00458	CAS-09831	7160	7.4	110	TRASH (PLASTIC)	06-Feb-90	06-Feb-90
PAD94C00344	CAS-09833	7160	7.4	187	TRASH (PLASTIC)	06-Feb-90	06-Feb-90
PAD94C00543	CAS-09834	7160	7.4	157	TRASH (PLASTIC)	06-Feb-90	06-Feb-90
PAD94C00542	CAS-09835	7160	7.4	119	TRASH (PLASTIC)PER RFD	06-Feb-90	06-Feb-90
PAD94C22920	CAS-09879	9837	7.4	100	TRASH	22-Sep-89	22-Sep-89
PAD94C22842	CAS-09880	9837	7.4	85	TRASH	22-Sep-89	22-Sep-89
PAD94C00293	CAS-09943	4292	7.4	115	GREASE/MOTOR RESIDUE	10-Apr-90	10-Apr-90
PAD94C21404	CAS-10014	4916	7.4	126	PLASTIC/RAGS; PCB SOLIDS, TRASH, PLASTIC, RAGS	14-Feb-90	14-Feb-90
PAD94C21405	CAS-10023	4915	7.4	105	TYVEKS, RAGS, PLASTIC/ZORBALL/PPE/PADS/PIGS	10-Dec-89	14-Feb-90
PAD94C03076	CAS-10096	8460	7.4	93	PAPER, RAGS, GLASS BOTTLES	26-Mar-90	26-Mar-90
PAD94C00390	CAS-10350	9281	7.4	98	TRASH	21-Jun-90	21-Jun-90
PAD94C21379	CAS-10444	4915	7.4	111	PLASTIC, LINT BALLS, BROOM HEADS	14-Feb-90	14-Feb-90
PAD94C21359	CAS-10445	4915	7.4	174	SANDBAGS, PADS, RAGS, PIGS; FLOOR CLEANING UNDER SEAL EXHAUST TRAPS	14-Feb-90	14-Feb-90
PAD94C00345	CAS-12425	7160	7.4	128	TRASH (PLASTIC)	06-Feb-90	06-Feb-90
PAD94C03115	CAS-15343	16458	7.4	178	PPE/PLASTIC	24-Nov-89	29-Nov-89
PAD94C03119	CAS-15344	16458	7.4	164	PPE/PLASTIC; PHASE I IDW	21-May-92	01-Feb-90
PAD94C03127	CAS-15345	16458	7.4	113	PPE/PLASTIC; PHASE I - I.D.W.	21-May-92	29-Nov-89
PAD94C03143	CAS-15347	16458	7.4	123	PPE/PLASTIC	03-Sep-99	04-Dec-89
PAD94C02820	CAS-15353	16458	11.4	193	PPE/PLASTICPAPER/LEATHER GLOVES/SURGICALS	21-May-92	18-Jan-90
PAD94C02912	CAS-15355	16458	11.4	167	PPE/PLASTIC; PHASE I - I.D.W.	21-May-92	31-Jan-90
PAD94C02910	CAS-15357	16458	11.4	183	PPE/PLASTIC	21-May-92	22-Aug-89
PAD94C00770	CAS-16007	7160	11.4	109	TRASH (PLASTIC)	06-Feb-90	06-Feb-90
PAD94C34926	CAS-17446	28997	11.4	168	PAPER/PLASTIC/TRASH	29-Sep-03	12-Jul-94
PAD95C01886	CAS-18083	49302	11.4	180	PPE FROM VAULT	30-Jun-95	29-Jun-95
PAD95C00583	CAS-18110	49304	11.4	184	PPE/RAGS/PLASTIC/PAPER	20-Sep-95	20-Sep-95

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	3	1-270-441-6211	001754714 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598698

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 11858 MBq, Fissile Excepted	1	CM	2380	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 343 Trailer: 4648 TID: 00083577 00083595 PCB Start Date: 12/07/87
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info Shipment ID: 6202-15-0114

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Lachelle Telfair on behalf of USDOE — Signature: [signature] — Month 4 Day 7 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: David Futrell — Signature: [signature] — Month 04 Day 07 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

RECEIVED APR 17 2009 BY: TS

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Albert Evans — Signature: [signature] — Month 4 Day 10 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754714JJK

Shipment ID Number: 6202-15-0114

Shipment Date: 4/7/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
117040-01	ITLU695510-5	PCB Contaminated Trash, Floorsweep, and Absorbent	12/07/87	655.83	12740	5778.74	11857.51
Totals				**655.83**	**12740**	**5778.74**	**11857.51**

See attached Drum List for specific information for each drum loaded into the bulk container.

Drum List Attachment, Page 3 of 3
Manifest Number: 001754714JJK
Shipment ID Number: 6202-15-0114
Shipment Date: 4/7/2009
Bulk Container ID Number: ITLU695510-5

Drum Barcode	Waste ID No.	RFD No.	Net Vol.	Gross Wt.	Description	U.S. PCB Date
PAD94C21348	CAS-12513	11688	7.4	160	OIL CONTAMINATED TRASH	12/19/1990
PAD94C21352	CAS-14854	13650	7.4	85	TYVEK/PAPER/PLASTIC/GLASS	7/30/1991
PAD94C21371	CAS-10189	10795	7.4	163	TYVEKS, GLOVES, SUITS, RAGS	5/25/1990
PAD94C21373	CAS-10196	10795	7.4	134	TYVEKS, GLOVES, SUITS, RAGS	5/25/1990
PAD94C21374	CAS-10187	10795	7.4	161	TYVEKS, GLOVES, SUITS, RAGS	5/25/1990
PAD94C21376	CAS-10204	10795	7.4	106	TYVEKS, GLOVES, SUITS, RAGS	5/25/1990
PAD94C21377	CAS-10193	10795	7.4	140	TYVEKS, GLOVES, SUITS, RAGS	5/25/1990
PAD94C21378	CAS-10195	10795	7.4	164	TYVEKS, GLOVES, SUITS, RAGS	5/25/1990
PAD94C21381	CAS-10199	10795	7.4	103	TYVEKS, GLOVES, SUITS, RAGS	5/25/1990
PAD94C21382	CAS-10197	10795	7.4	101	TYVEKS, GLOVES, SUITS, RAGS	5/25/1990
PAD94C21397	CAS-14731	13841	7.4	92	TYVEK/PLASTIC/PAPER/GLASS	10/7/1991
PAD94C21400	CAS-14837	13840	7.4	185	TYVEK/KIMWIPES/PAPER/PLASTIC	9/24/1991
PAD94C21411	CAS-08695	7072	7.4	86	DEBRIS/PLASTIC/RAGS	10/19/1989
PAD94C21415	CAS-10188	10795	7.4	150	TYVEKS, GLOVES, SUITS, RAGS	5/25/1990
PAD94C21422	CAS-10194	10795	7.4	161	TYVEKS, GLOVES, SUITS, RAGS	5/25/1990
PAD94C21439	CAS-14690	11074	7.4	92	TYVEKS/TRASH/BOOTIES/SPILL CLNUP	10/16/1991
PAD94C21442	CAS-14695	16458	7.4	204	SPILL CLNUP-PPE/TYVEKS/BOOTIES	11/15/1991
PAD94C21476	CAS-15430	17604	7.4	91	TYVEK/PAPER/PLASTIC/GLASS	2/5/1992
PAD94C21710	CAS-10085	12703	11.4	332	ZORBALL	3/15/1990
PAD94C22830	CAS-14732	13842	7.4	110	TYVEK/WIPES/PAPER/PLASTIC/GLASS	11/4/1991
PAD94C22847	CAS-11015	13042	7.4	131	TRASH, FLOOR SWEEP	11/5/1990
PAD94C22856	CAS-09679	9268	7.4	181	TRASH	12/31/1989
PAD94C22883	CAS-11305	11666	7.4	109	PIGS AND TRASH	12/8/1990
PAD94C22892	CAS-09701	11504	7.4	126	DUST MOPS	2/2/1990
PAD94C22896	CAS-14595	18477	7.4	159	PAPER/GLOVES/FLOOR SWEEP/RAGS	8/28/1991
PAD94C22949	CAS-09647	9288	7.4	130	OILY ZORBALL/PADS/TRASH	12/31/1989
PAD94C22992	CAS-09649	9288	7.4	166	OILY ZORBALL/PADS/TRASH	12/31/1989
PAD94C24571	CAS-14960	11093	7.4	98	GLOVES/PLASTIC/SHOES/MASLIN	2/18/1992
PAD94C24582	CAS-15278	5694	11.4	220	TRASH/FLOOR SWEEEP	7/26/1989
PAD94C26782	CAS-06138	6348	11.4	429	CAST IRON DRAIN PIPE	12/7/1987
PAD94C30552	CAS-17323	38020	7.4	114	PPE/RAGS/MOPHEADS	6/14/1994
PAD94C32226	CAS-17605	45353	7.4	147	PPE/PADS/PAPER/METAL	8/18/1994
PAD95C00100	CAS-17549	29346	7.4	99	PPE/GLASS	12/28/1994
		W08216	166.8	1100	WOOD PALLETS (20)	
		W08218	75.06	495	WOOD PALLETS (9)	
		W08228	157.77	600	PVC	

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754715 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Paducah & Louisville Railway, Inc — U.S. EPA ID Number: KYD000735845

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone: — U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB, Asbestos), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 15510 MBq, Fissile Excepted	1	CM	2663	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Railcar: GBRX20686 TID: 023651 — PCB Start Date: 02/11/87
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 — If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info — Shipment ID: 6202-15-0115

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Teresa Setser on behalf of DOE — Signature: [signature] — Month 4 Day 17 Year 09

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Teresa Setser on behalf of P&L — Signature: [signature] — Month 4 Day 17 Year 09
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number: — U.S. EPA ID Number

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18b. Alternate Facility (or Generator)
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee — Signature: [signature] — Month 5 Day 1 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754715JJK

Shipment ID Number: 6202-15-0115

Shipment Date: 4/17/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
109627-01	TTNU299031-7	PCB Contaminated Trash and 5 Drums Containing ACM	02/11/87	472	15880	7203.01	15509.95
Totals				**472**	**15880**	**7203.01**	**15509.95**

See attached Drum List for specific information for each drum loaded into the bulk container.

Drum List Attachment, Page 3 of 3
Manifest Number: 001754715JJK
Shipment ID Number: 0202-15-0115
Shipment Date: 4/17/2009
Bulk Container ID Number: TTNU209031-7

Barcode	Waste ID	RFD	Curr Vol (ft3)	Curr Wt	Description	PCB Date
PAD97C01417	61426-01	61426	11.4	193	PPE/PADS/PLASTIC FROM ELECT.MAIN	15-May-97
PAD98C01173	61872-01	61872	7.4	136	PPE/PAPER/PADS	20-Jul-98
PAD97C00767	61930-01	61930	7.4	103	PPE, PLASTIC, KIMTOWELS	12-Mar-97
PAD98C00008	61939-01	61939	7.4	103	SAMPLING DEBRIS: PPE/GLOVES	10-Feb-98
PAD98C01122	61962-01	61962	7.4	87	PPE/PAPER/PLASTIC	13-Jul-98
PAD98C00917	61963-01	61963	7.4	104	PPE/PAPER	20-Apr-98
PAD98C01105	62534-01	62534	7.4	94	PPE/PAPER/PADS	11-May-98
PAD98C01594	62673-01	62673	7.4	95	PPE/PLASTIC/PADS/PAPER	14-Jul-98
PAD94C26981	CAS-02508	4411	7.4	215	MISCELLANEOUS	11-Feb-87
PAD94C26992	CAS-03678	4411	11.4	465	MISCELLANEOUS	11-Feb-87
PAD94C02388	CAS-06381	02033	7.4	459	SOLID WASTE MISCELLANEOUS	20-Oct-85
PAD94C03580	CAS-08528	5324	7.4	106	TRASH/TYVEKS/SCRAP METAL	02-Jul-89
PAD94C03845	CAS-08529	5324	7.4	177	TRASH/SCRAP/IRON	02-Jul-89
PAD94C03577	CAS-08534	5324	7.4	115	TRASH/TYVEKS/SCRAP METAL	02-Jul-89
PAD94C00388	CAS-09466	5363	7.4	256	TRASH/DEBRIS	07-Nov-89
PAD94C00238	CAS-09640	9256	7.4	165	TACKY MATS	31-Oct-89
PAD94C00301	CAS-09752	10234	7.4	367	ZORBALL/PADS PER RFD	08-Feb-90
PAD94C22972	CAS-09824	9812	7.4	81	DEBRIS/PLASTIC/DIRT	31-Oct-89
PAD94C03477	CAS-10094	9280	7.4	118	RAGS, GLOVES	20-Feb-90
PAD94C21420	CAS-10201	10785	7.4	130	TYVEKS, GLOVES, SUITS, RAGS	26-May-90
PAD94C00518	CAS-10352	9282	7.4	107	TRASH	25-Jun-90
PAD94C00538	CAS-10353	9282	7.4	187	TRASH	25-Jun-90
PAD94C00517	CAS-10354	9282	7.4	122	TRASH	25-Jun-90
PAD94C02604	CAS-10387	12981	7.4	350	GLOVES, RAGS, PIGS	18-Jun-90
PAD94C02630	CAS-10391	11634	7.4	89	TACKY MATS	22-Jun-90
PAD94C03622	CAS-10935	10847	7.4	95	RAGS	07-Nov-90
PAD94C22172	CAS-12678	10210	7.4	198	TRASH	15-Feb-91
PAD94C02616	CAS-14484	14976	7.4	103	RAGS/TYVEK/SHOE COVERS/RUBBER GL	18-Jul-91
PAD94C02617	CAS-14485	14976	7.4	105	PPE/RUBBER GLOVES/OILY RAGS	18-Jul-91
PAD94C02317	CAS-14487	14976	7.4	164	RAGS/TYVEK/SHOE COVERS/FLAGGING	18-Jul-91
PAD94C02940	CAS-15132	5714	7.4	363	SOLID WASTE	13-Dec-88
PAD94C02404	CAS-15145	5714	7.4	390	WASTE OIL SOLIDS	13-Dec-88
PAD94C03737	CAS-15309	9836	7.4	147	TRASH AROUND SLAG UNIT NEAR FURN	21-Sep-89
PAD01C02995	CAS-15340	17632	11.4	183	TYVEK/PAPER/PLASTIC/GLOVES/GLASS	26-Mar-92
PAD01C02799	CAS-15477	27043	11.4	169	RAGS/PANS/PPE/PLASTIC/5-GAL DRUM	16-Jul-92
PAD01C02787	CAS-15540	17635	11.4	184	TYVEK/PAPER/PLASTIC/GLOVES/GLASS	03-Apr-92
PAD01C03135	CAS-15597	32358	11.4	168	PPE/RAGS/PADS/PLASTIC	25-Mar-92
PAD94C22148	CAS-16478	32285	7.4	119	SAMPLING DEBRIS (GLASS/PPE/GLOVE	22-Jun-93
PAD94C02155	CAS-16560	38166	7.4	151	PCB HOSE/MISC PPE/PAPER/CLOTH	10-Sep-93
PAD94C02823	CAS-16677	36958	7.4	125	PPE/RAGS/ROPE/PLASTIC	04-Nov-93
PAD94C03025	CAS-17046	41164	7.4	190	PPE/RAGS	31-Jan-94
PAD94C28443	CAS-17257	37282	7.4	162	PPE & PLASTIC SHEETING	03-May-94
PAD94C30398	CAS-17308	29875	7.4	87	DEBRIS & TRASH	02-Jun-94
PAD95C01813	CAS-17427	42692	7.4	110	PPE FROM POLE T6-18,10,20	27-Jul-94
PAD94C33596	CAS-17501	35113	7.4	187	PPE/GREASE	23-Nov-94
PAD94C33611	CAS-17504	35113	4	157	PPE/MOP/RAGS	29-Nov-94
PAD94C32221	CAS-17518	35116	7.4	119	PPE/PLASTIC/RAGS	16-Dec-94
PAD95C00644	CAS-17537	45043	7.4	100	PPE/RAGS	07-Oct-94
PAD95C00665	CAS-17545	45652	7.4	85	TYVEK SUITS	31-Jan-95
PAD94C30393	CAS-17652	32310	7.4	115	SAMPLING DEBRIS: TYVEK/GLOVES/RAG	20-Jun-94
PAD95C00157	CAS-17676	47654	7.4	126	RAGS	17-Feb-95
PAD95C00744	CAS-17707	33046	7.4	105	PPE/PLASTIC/GLASS	09-Jun-94
PAD95C01852	CAS-17740	33084	7.4	93	PPE/PADS	08-Aug-94
PAD95C00745	CAS-17745	38418	7.4	98	PPE/PLASTIC BOTTLES/PADS	28-Aug-94
PAD95C00725	CAS-17757	38364	7.4	111	PPE/PADS/SAW BLADE/FITTINGS	18-Oct-94
PAD95C00392	CAS-17858	42692	7.4	174	PPE	20-Feb-95
PAD95C00396	CAS-17884	42692	7.4	128	PPE	04-Mar-95
PAD95C00395	CAS-17885	42692	7.4	178	PPE	04-Mar-95
PAD95C00389	CAS-17886	42692	7.4	184	PPE	04-Mar-95
PAD95C00390	CAS-17887	42692	7.4	113	PPE	07-Mar-95
PAD95C01533	CAS-18098	50329	7.4	123	PPE/SOLID WASTE	13-Mar-95

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754716 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Paducah & Louisville Railway, Inc — U.S. EPA ID Number: KYD000735845

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone: — U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 10472 MBq, Fissile Excepted	1	CM	1900	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Railcar: GBRX20686 TID: 0023640 — PCB Start Date: 12/23/88
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 — If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info — Shipment ID: 6202-15-0116

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Teresa Setser on behalf of DOE — Signature: [signature] — Month 4 Day 17 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. — Port of entry/exit: — Date leaving U.S.:
Transporter signature (for exports only):

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Teresa Setser on behalf of P&L — Signature: [signature] — Month 4 Day 17 Year 09
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

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18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 | 2. | 3. | 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee — Signature: [signature] — Month 5 Day 1 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. — DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754716JJK

Shipment ID Number: 6202-15-0116

Shipment Date: 4/17/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
109626-03	GLDU031151-2	PCB Contaminated Trash	12/23/88	522	13440	6096.25	10472.48
Totals				**522**	**13440**	**6096.25**	**10472.48**

See attached Drum List for specific information for each drum loaded into the bulk container.

Drum List Attachment, Page 3 of 3
Manifest Number: 001764716JJK
Shipment ID Number: 6202-15-01 16
Shipment Date: 4/17/2000
Bulk Container ID Number: GLDU031151-2

Barcode	RFD	WS WasteID	Cont Vol	Cont Wt	Description	PCB Date
PAD01C02869	101349	101349-01	7.4	96	PPE AND RAGS, PVC P.PE, PLASTIC AND GLOVES	16-Feb-00
PAD99C00870	101020	101020-01	7.4	85	PPE/PLASTIC/PAPER DEBRIS	03-Sep-99
PAD99C00310	101059	101059-01	7.4	98	BCS TRASH - PAPER, PLASTIC, PPE, DRUM LINERS PADS	18-Mar-99
PAD02C00792	103395	103395-01	7.4	87	RAGS, GLOVES, PAPER AND PPE	07-Jan-02
PAD01C02714	103652	103652-01	7.4	121	PCB SPILL CLEANUP DEBRIS - PPE, PAPER, PLASTIC, RAGS, SCRUB PADS	19-Apr-01
PAD01C03221	103654	103654-01	7.4	88	PCB SPILL CLEANUP DEBRIS .. PPE, PLASTIC, PAPER, RAGS, SCRUB PADS	07-Jun-01
PAD02C17366	103656	103656-01	7.4	116	PCB SPILL CLEANUP DEBRIS, GLOVES, RAGS, SCRUB PADS, PLASTIC	03-Oct-01
PAD02C17364	103674	103674-01	7.4	131	PCB SPILL CLEANUP DEBRIS, GLOVES, RAGS, SCRUB PADS PLASTIC	17-Jan-02
PAD00C00554	104357	104357-01	7.4	92	PCB SPILL CLEANUP DEBRIS	23-Aug-00
PAD00C00597	104365	104365-01	7.4	58	PCB SPILL CLEANUP DEBRIS, GLOVES, RAGS, SCRUB PADS	02-Nov-00
PAD02C17370	104430	104430-01	7.4	107	PCB SPILL CLEANUP DEBRIS, GLOVES, RAGS, PLASTIC	12-Jun-02
PAD03C01315	104898	104898-01	7.4	90	PCB/RAD TRASH	04-Jun-02
PAD02C17367	105124	105124-01	7.4	114	PCB SPILL CLEANUP DEBRIS, PPE, PLASTIC, RAGS, SCRUB- PADS, AND PAPER.	17-Apr-02
PAD03C01344	106205	106205-01	7.4	102	PCB SPILL CLEANUP DEBRIS, PPE, PLASTIC, RAGS, SCRUB PADS	17-Oct-02
PAD05C06587	106345	106345-01	7.4	99	PCB SOLIDS FROM SPILL CLEANUP; PPE, PADS, RAGS	30-Mar-05
PAD05C06592	106345	106345-02	7.4	109	PCB SOLIDS FROM SPILL CLEANUP, PPE, PADS, RAGS	27-Apr-05
PAD05C06594	106345	106345-03	7.4	93	PCB SOLIDS FROM SPILL CLEANUP, PPE, PADS, RAGS	27-Apr-05
PAD04C05325	106669	106669-01	7.4	113	PCB SOLID SPILL CLEANUP DEBRIS; PAPER, PLASTIC, PPE, SCRUB PADS	08-Dec-04
PAD05C06498	106674	106674-01	7.4	97	PCB SPILL CLEANUP DEBRIS; PPE, PLASTIC, RAGS	21-Jan-05
PAD05C06691	106733	106733-01	7.4	123	SOLIDS GENERATED DURING ROUTINE ELECTRICAL MAINTENANCE ACTIVITIES ON PCB TRANSFORMERS, CAPACITORS, ETC. GLOVES, PPE, RAGS AND PADS.	05-Aug-03
PAD04C05057	107141	107141-01	7.4	122	PCB SOLID CLEANUP DEBRIS (PPE, PLASTIC, PADS, RAGS)	08-Sep-04
PAD04C05251	107143	107143-01	7.4	117	PCB SPILL CLEANUP DEBRIS FROM VENT DUCT LEAKS.	26-Oct-04
PAD05C06081	107146	107146-01	7.4	116	PCB SPILL CLEANUP DEBRIS FROM VENT DUCT LEAKS; PPE, PLASTIC, RAGS.	10-Nov-05
PAD04C04943	107541	107541-01	7.4	127	PCB SPILL CLEANUP DEBRIS; PPE, PLASTIC, PADS, SCRUB RAGS.	06-Apr-04
PAD04C04938	107542	107542-01	7.4	108	PCB SPILL CLEANUP DEBRIS; PPE, PLASTIC, RAGS, SCRUB PADS.	14-Jun-04
PAD04C05003	107544	107544-01	7.4	127	PCB SPILL CLEANUP DEBRIS; PPE, PLASTIC, RAGS, SCRUB PADS	14-Jul-04
PAD07C03156	107868	107868-01	7.4	98	PCB SOLIDS (RAGS, PLASTIC, PPE)	05-Jan-07
PAD06C01040	108510	108510-01	7.4	116	PCB SOLIDS - PPE, PADS, RAGS, MOPHEADS	11-Nov-05
PAD06C02425	108557	108557-01	7.4	121	PCB SOLIDS FROM WORK IN PCB SPILL AREAS AND PCB CAPACITOR REMOVAL PROJECT 8 PPE, RAGS, PADS, MOPHEADS, GLOVES, ETC	23-Mar-06
PAD06C01052	108571	108571-03	7.4	111	PCB SOLIDS FROM PCB SPILL 748 AT 72P&B PPE, GLOVES, BOOTIES BAG, MOPHEAD.	15-Mar-06
PAD07C03007	108892	108892-01	7.4	97	PCB SOLID SPILL CLEANUP DEBRIS; PPE, RAGS	08-Jan-07
PAD06C05289	108896	108896-03	7.4	104	PPE, PLASTIC, RAGS, PADS FROM DECON OF PCB RAMS IN OMSA 337-35.	19-May-06
PAD06C05371	108897	108897-01	7.4	92	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	16-Jul-06
PAD07C03249	108902	108902-02	7.4	93	MISCELLANEOUS WASTE FROM PCB TROUGHING ACTIVITIES (PVC PIPING, VALVES, FITTINGS, GLOVES, RAGS)	20-Aug-07
PAD06C00237	108926	108926-01	7.4	111	PCB SOLID SPILL CLEANUP DEBRIS/PPE	14-Feb-06
PAD07C03135	108960	108960-01	7.4	280	PCB SOLIDS - SPILL CLEANUP / PREPPING FOR ENCAPSULATIONS.	14-Nov-06
PAD06C05118	108965	108965-01	7.4	117	PCB SOLIDS FROM MAINTENANCE AND SPILL CLEANUP (PPE, RAGS, PADS)	14-Aug-07
PAD06C05115	108977	108977-01	7.4	99	PCB SOLIDS FROM SPILL CLEANUP (PCB 1835), PPE, RAGS, PADS, MOPHEADS	05-Jun-07
PAD06C05117	108978	108978-01	7.4	155	PCB SOLIDS FROM SPILL CLEANUP (GASKET 1835) RAGS, PPE, PADS, MOPHEADS	23-May-07
PAD07C03154	108979	108979-01	7.4	124	PCB SOLIDS FROM MAINTENANCE ACTIVITIES (PLASTIC, RAGS, PPE)	12-Apr-07
PAD03C01343	114010	114010-01	7.4	104	PCB SPILL CLEANUP DEBRIS, GLOVES, RAGS, PLASTIC, SCRUB PADS	24-Sep-02
PAD05C06595	120010	120010-01	7.4	113	PCB SOLID SPILL CLEANUP DEBRIS- PPE, RAGS, PADS, SCRUB PADS	11-May-05
PAD05C06596	120011	120011-01	7.4	113	PCB SPILL CLEANUP DEBRIS - PPE, PADS, RAGS	29-Apr-05
PAD05C06716	120019	120019-01	7.4	75	PCB CLEANUP DEBRIS. CONSISTS OF SARANEX SUITS, EAR PLUGS, NITRILE GLOVES, PCB PIPING, ETC. THESE WERE NOT GENERATED FROM A FISSILE AREA.	08-Feb-05
PAD05C07428	120044	120044-01	7.4	123	PCB SPILL CLEANUP DEBRIS; PPE, RAGS	02-Nov-05
PAD07C03280	120811	120811-01	7.4	93	PCB SOLID WASTE - SPILL #1835 (APRON, SCUFFS, MOPHEAD, PLASTIC)	28-Aug-07
PAD07C03285	120831	120831-01	7.4	90	PCB SOLIDS FROM SPILL CLEANUP AND ELECTRICAL MAINTENANCE (PADS PPE, RAGS)	03-Aug-07
PAD98C00853	48724	48724-01	7.4	143	WOOD FROM WASTE WATER TREATMENT	16-Jul-97
PAD97C01421	51247	51247-01	7.4	113	PPE/RAGS/PLASTIC FROM ELECT MT	23-May-97
PAD97C01422	51248	51248-01	7.4	149	PPE/PADS/PLASTIC FROM ELECT MT	16-Jun-97
PAD98C00397	51348	51348-01	7.4	129	PPE/RAGS/PIGS/MASLINS	09-Jul-98
PAD95C01404	51388	51388-01	7.4	98	PAPER/PLASTIC/WIPES	15-Jun-95
PAD95C08027	51413	51413-01	7.4	110	PPE/GLOVES/PLASTIC	14-Jul-95
PAD95C08348	51419	51419-01	7.4	96	PPE, KIMWIPES	14-Aug-95
PAD95C08356	51419	51419-02	7.4	119	KIMWIPES/PPE	14-Aug-95
PAD95C01609	53983	53983-01	7.4	141	PPE/PLASTIC/SAMPLG DEBRIS(C-402)	05-Oct-95
PAD95C02755	55750	55750-01	7.4	60	PPE, PLASTIC	27-May-97
PAD96C00632	56677	56677-01	7.4	105	PPE/PLASTIC/PIG MATS/TAPE	24-Jul-96
PAD96C00423	56695	56695-01	7.4	92	TYVEK/GLOVES/WIPES	26-Sep-96
PAD98C01103	58510	58510-01	7.4	65	PPE	13-Jan-98
PAD94C02942	5715	CAS-06315	7.4	148	TRASH	25-Dec-88
PAD94C02944	1924	CAS-06316	7.4	216	TRASH	23-Dec-88
PAD94C03621	5649	CAS-09531	7.4	125	RAGS	21-Nov-89
PAD94C03744	10489	CAS-09538	7.4	137	TRASH	08-Dec-89
PAD94C00304	9288	CAS-09651	7.4	156	TRASH PER SAMPLING	31-Dec-89
PAD94C21426	10795	CAS-10195	7.4	108	TYVEKS, GLOVES, SUITS RAGS	25-May-90
PAD94C21425	10795	CAS-10200	7.4	155	TYVEKS, GLOVES, SUITS, RAGS	25-May-90
PAD94C21413	10201	CAS-10817	7.4	116	ASKAREL WASTE-RAGS,TYVEK,GLOVES	07-Sep-90
PAD94C03181	15488	CAS-12893	11.4	136	RAGS/SPONGES/PLASTIC	28-Mar-91
PAD94C02374	10458	CAS-15158	7.4	233	TYVEKS/RAGS/GLOVES	24-Aug-89

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754717 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
1-270-441-5000
Generator's Phone:

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Paducah & Louisville Railway, Inc — U.S. EPA ID Number: KYD000735845

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone: — U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB, Asbestos), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 13535 MBq, Fissile Excepted	1	CM	2352	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Railcar: GBRX20699 TID: 00236[illegible] SB 4/17/09
PCB Start Date: 07/02/89
If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
Shipment ID: 6202-15-0117

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Teresa Setser on behalf of DOE — Signature: [signature] — Month 4 Day 17 Year 09

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Teresa Setser on behalf of P+L — Signature: [signature] — Month 4 Day 17 Year 09
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED MAY 05 2009

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee — Signature: [signature] — Month 4 Day 30 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754717JJK

Shipment ID Number: 6202-15-0117

Shipment Date: 4/17/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
109627-02	JINU801205-1	PCB Contaminated Trash with 1 Drum Containing ACM	07/02/89	518	13840	6277.69	13535.08
Totals				**518**	**13840**	**6277.69**	**13535.08**

See attached Drum List for specific information for each drum loaded into the bulk container.

Manifest Number: 001754717JJK

Shipment ID Number: 6202-15-0117

Shipment Date: 4/17/2009

Bulk Container ID Number: JINU801205-1

Barcode	RFD	WasteID	Cont Vol	Cont Wt	Description	TPCB Date
PAD99C00091	101584	101584-01	7.4	107	PCB WASTE SOLIDS; PPE, RAGS, PLASTIC.	05-Jan-99
PAD99C00092	101584	101584-02	7.4	108	PCB WASTE SOLIDS; PPE, RAGS, PLASTIC.	05-Jan-99
PAD01C03300	103663	103663-02	7.4	109	BCS TRASH WR110 NITRILE GLOVES, HP SWIPES, LEATHER GLOVES, PLASTIC, PPE, TAPE HYPALON. (FROM SORTING AND REPACKAGING PCB/RAD SOLID WASTE)	27-Jul-01
PAD01C03301	103663	103663-03	7.4	120	BCS TRASH WR110 NITRILE GLOVES, HP SWIPES, LEATHER GLOVES, PLASTIC, PPE, TAPE HYPALON. (FROM SORTING AND REPACKAGING PCB/RAD SOLID WASTE).	10-Aug-01
PAD01C03220	103663	103663-04	7.4	105	BCS TRASH WR110 NITRILE GLOVES, HP SWIPES, LEATHER GLOVES, PLASTIC, PPE, TAPE HYPALON. (FROM SORTING AND REPACKAGING PCB/RAD SOLID WASTE).	04-Sep-01
PAD04C04926	106328	106328-01	7.4	140	PPE, RAGS, MOPHEADS, ETC FROM PCB SPILL CLEANUP.	10-Jul-03
PAD04C04928	106733	106733-02	7.4	132	SOLIDS GENERATED DURING ROUTINE ELECTRICAL MAINTENANCE ACTIVITIES ON PCB TRANSFORMERS, CAPACITORS, ETC. GLOVES, PPE, RAGS AND PADS.	05-Aug-03
PAD06C01054	107871	107871-01	7.4	102	PCB SOLIDS FROM SPILL CLEANUP/DECONTAMINATION - PPE, RAGS, PLASTIC.	14-Dec-05
PAD06C01053	108571	108571-01	7.4	135	PCB SOLIDS FROM PCB SPILL 748 AT 72P8B. PPE, GLOVES, BOOTIES, BAG, MOPHEAD.	04-Nov-04
PAD06C01047	108571	108571-02	7.4	110	PCB SOLIDS FROM PCB SPILL 748 AT 72P8B. PPE, GLOVES, BOOTIES, BAG, MOPHEAD.	15-Mar-06
PAD06C01048	108571	108571-04	7.4	88	PCB SOLIDS FROM PCB SPILL 748 AT 72P8B. PPE, GLOVES, BOOTIES, BAG, MOPHEAD.	15-Mar-06
PAD98C00265	46097	46097-01	7.4	121	PPE/TRASH/PALCO	05-Jan-98
PAD95C02741	51922	51922-01	7.4	97	PPE FROM SPILL CLEANUP (#602)	21-Jul-97
PAD97C01426	55479	55479-01	7.4	95	PPE/PADS/RAGS	19-May-97
PAD97C01427	55479	55479-02	7.4	83	PPE/PADS/RAGS	19-May-97
PAD97C00916	55664	55664-01	7.4	60	PPE	23-Apr-97
PAD96C00311	50703	50703-01	7.4	120	EMD SAMPLING DEBRIS: PPE/PLASTIC	23-Oct-96
PAD98C01815	61966	61966-01	7.4	130	PPE/RAGS/SAMPLING DEBRIS	10-Aug-98
PAD97C01487	62483	62483-01	7.4	125	PPE/RAGS/PADS	30-May-97
PAD98C01121	62535	62535-01	7.4	104	PPE/RAGS	27-May-98
PAD94C03596	5324	CAS-08533	7.4	122	TRASH/TYVEKS/SCRAP METAL	02-Jul-89
PAD94C03620	10489	CAS-09540	7.4	123	TRASH	08-Dec-89
PAD94C22870	9288	CAS-09646	7.4	130	OILY ZORBALL/PADS/TRASH	31-Dec-89
PAD94C00305	9288	CAS-09652	7.4	166	TRASH PER SAMPLING	31-Dec-89
PAD94C22871	11504	CAS-09702	7.4	105	DUST MOPS	02-Feb-90
PAD94C00573	9220	CAS-09710	7.4	74	TACKY MATS	25-Sep-89
PAD94C22882	2021	CAS-09739	7.4	295	DEBRIS	21-Sep-89
PAD94C02460	10247	CAS-10039	7.4	101	TRASH	18-Feb-90
PAD94C00280	11691	CAS-10040	7.4	82	TACKY MATS	23-Feb-90
PAD94C00509	5380	CAS-10119	7.4	243	DEBRIS	20-Feb-90
PAD94C21372	10795	CAS-10191	7.4	158	TYVEKS, GLOVES, SUITS, RAGS	25-May-90
PAD94C21421	10795	CAS-10192	7.4	171	TYVEKS, GLOVES, SUITS, RAGS	25-May-90
PAD94C21375	10795	CAS-10203	7.4	102	TYVEKS, GLOVES, SUITS, RAGS	25-May-90
PAD94C00951	15605	CAS-10287	7.4	85	TRASH	23-May-90
PAD94C02632	8163	CAS-10341	7.4	92	CLOTH, PAPER, PLASTIC	20-Jun-90
PAD94C02610	8163	CAS-10344	7.4	110	CLOTH, PAPER, PLASTIC	20-Jun-90
PAD94C02624	8163	CAS-10345	7.4	143	CLOTH, PAPER, PLASTIC	20-Jun-90
PAD94C02609	8163	CAS-10346	7.4	140	CLOTH, PAPER, PLASTIC	20-Jun-90
PAD94C00585	9282	CAS-10351	7.4	150	TRASH	25-Jun-90
PAD94C00930	9282	CAS-10355	7.4	207	TRASH	25-Jun-90
PAD94C02424	11636	CAS-10451	7.4	94	TACKY MATS	16-Jul-90
PAD94C03559	13224	CAS-11020	7.4	213	RAGS, PAPER, OIL	13-Nov-90
PAD94C00587	11664	CAS-11271	7.4	97	OILY PANS, PIGS & TRASH	03-Dec-90
PAD94C22169	10210	CAS-12676	7.4	152	TRASH	15-Feb-91
PAD94C22168	10210	CAS-12677	7.4	120	TRASH	15-Feb-91
PAD94C22170	10210	CAS-12679	7.4	266	TRASH	15-Feb-91
PAD94C22171	10210	CAS-12680	7.4	276	TRASH	15-Feb-91
PAD94C22135	10210	CAS-12681	7.4	164	TRASH	15-Feb-91
PAD94C22134	10210	CAS-12682	7.4	144	TRASH	15-Feb-91
PAD94C00552	15258	CAS-14069	7.4	139	PLASTIC/GLOVES/SHOE SCUFFS	18-Jan-91
PAD94C03001	5064	CAS-14902	7.4	108	PPE/PLASTIC/RAGS/SHOVELS/BROOMS	24-Oct-91
PAD94C02439	20260	CAS-15028	7.4	123	PPE/PVC PIPE	14-Oct-91
PAD94C22192	17003	CAS-15049	7.4	90	LAB WASTE/SAMPLING TRASH	16-Jan-92
PAD94C24573	10458	CAS-15130	7.4	142	TYVEKS/RAGS/GLOVES	24-Aug-89
PAD94C03788	21651	CAS-15548	7.4	101	PPE/PLASTIC/SHOVEL/FLAGGING/PANS	08-Jan-92
PAD94C02787	21697	CAS-15660	7.4	109	PADS/PPE/PANS/PIGS/CARDBOARD	11-Feb-92
PAD94C03734	29322	CAS-15925	7.4	116	PPE/METAL	12-Feb-93
PAD94C22070	32346	CAS-15945	7.4	143	TYVEK/PAPER/GLOVES/GLASS	22-Mar-93
PAD94C02326	30426	CAS-15977	7.4	112	PPE/RAGS	17-Apr-93
PAD94C22816	41133	CAS-16689	7.4	136	RAGS/SCRUBBERS/PPE	13-Dec-93
PAD94C22234	41137	CAS-16690	7.4	140	PPE/RAGS/PIGS/PADS/SCRUBBERS	14-Dec-93
PAD94C02192	41166	CAS-17111	7.4	148	PPE/RAGS/PADS/METAL SHAVINGS	25-Feb-94
PAD94C28454	37282	CAS-17258	7.4	92	PPE & PLASTIC SHEETING	03-May-94
PAD94C28445	37282	CAS-17265	7.4	103	PPE & PLASTIC SHEETING	03-May-94
PAD94C30703	42602	CAS-17428	7.4	96	PPE FROM POLE TG-18,19,20	27-Jul-94
PAD94C32161	41156	CAS-17453	7.4	161	PPE/RAGS/VACUUM DUST	21-Jan-94
PAD94C32268	34000	CAS-17518	7.4	112	PPE/RAGS	10-Mar-94
PAD95C00624	37885	CAS-17531	7.4	125	PPE/PAPER/PLASTIC/RAGS	09-Jan-95
PAD95C00864	45652	CAS-17544	7.4	66	TYVEK SUITS/PLASTIC	31-Jan-95
PAD95C00154	47654	CAS-17673	7.4	109	RAGS/PPE	16-Jan-95
PAD95C00727	33054	CAS-17746	7.4	97	PPE/RAGS/METAL	10-Oct-94

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved: OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754718 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
1-270-441-5000
Generator's Phone:

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Paducah & Louisville Railway, Inc — U.S. EPA ID Number: KYD000735845

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone:
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 11530 MBq, Fissile Excepted	1	CM	2121	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Railcar: GBRX20680
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 02/25/85
If undeliverable, return to generator
Shipment ID: 6202-15-0118

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Teresa Setser on behalf of DOE — Signature — Month 4 Day 24 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Teresa Setser on behalf of P&L — Signature — Month 4 Day 24 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED MAY 1 0 2009 BY: TS

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Justin Lee — Signature — Month 5 Day 8 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754718JJK

Shipment ID Number: 6202-15-0118

Shipment Date: 4/24/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
109626-02	TTNU211938-4	PCB Contaminated Trash	02/25/85	509.67	13640	6186.97	11529.71
Totals				**509.67**	**13640**	**6186.97**	**11529.71**

See attached Drum List for specific information for each drum loaded into the bulk container.

Drum List Attachment, Page 3 of 3
Manifest Number: 001751710JJK
Shipment ID Number: 6202-15-0118
Shipment Date: 4/24/2009
Bulk Container ID Number: TTNU2119364

Barcode	RFD	WasteID	Curr_Vol	Curr_Wt	Description	PCB Date
PAD95C03562	4887	04887-05	11.4	174	MISC. CONTAMINATED MATERIAL	13-Dec-00
PAD94C40102	9481	09481-01	7.4	101	TRASH	13-Dec-00
PAD94C26250	9508	09508-01	7.4	130	TRASH	13-Dec-00
PAD94C19760	9555	09555-14	7.4	105	TRASH	13-Dec-00
PAD99C00300	101048	101048-01	7.4	90	BCS TRASH - HYPALON, PORTABLE DYKE	17-Mar-99
PAD98C02805	101503	101503-01	7.4	95	GLOVES/PADS/RAGS/PLASTIC	09-Dec-99
PAD98C02804	102544	102544-01	7.4	105	PPE/RAGS	10-Dec-98
PAD02C06220	104903	104903-01	7.4	80	2 SMALL BAGS OF PPE FROM PCB SWIPES	28-Jun-01
PAD05C07423	109153	109153-01	7.4	87	DCS WASTE FROM PCB SAMPLING ACTIVITIES (PAPER, PLASTIC, PADS, PPE)	31-Oct-05
PAD02C05210	111807	111807-01	7.4	82	DMSA PCB COLLECTION CONTAINER	29-Jan-02
PAD02C06954	113327	113327-01	7.4	70	PCB RAD WASTE FROM DMSAS	15-Aug-02
PAD04C05015	116131	116131-01	11.4	214	OILY PCB RAGS. ORIGINALLY GIVEN W# W03126	02-Jun-04
PAD95C01405	46743	46743-01	7.4	81	PPE/PLASTIC	09-Feb-95
PAD95C10577	46881	46881-01	7.4	86	PPE	22-Feb-96
PAD97C01045	48712	48712-01	7.4	129	PPE/PADS/FILTERS/RUBBER	22-Apr-97
PAD98C03601	51404	51404-01	7.4	86	RAGS/KIMWIPES/PPE/PLASTIC	07-Apr-95
PAD95C02661	51917	51917-01	7.4	137	RAGS/PPE	12-Sep-95
PAD96C00245	54619	54619-01	7.4	90	RAGS/PPE/LIGHT FIXTURE	13-Jun-96
PAD97C03686	55488	55488-02	7.4	180	PPE/RAGS/PADS/FLAGGING/MOPHEADS	20-Oct-97
PAD97C01710	60752	60752-01	7.4	56	PPE/RAGS	21-Jan-97
PAD98C00361	61429	61429-01	7.4	111	PPE/PADS/PLASTIC FROM ELECTRICAL	17-Jul-97
PAD98C01903	61905	61905-01	0.67	7	VERMICULITE AND PH STRIPS	29-Mar-90
PAD95C10857	61928	61928-01	7.4	114	PPE/RAGS/PLASTIC	30-Jan-97
PAD98C02719	61967	61967-01	7.4	99	PPE/PAPER/PLASTIC	12-Aug-98
PAD98C02721	61970	61970-01	7.4	165	RAGS/GLOVES/MOP HEADS/CLOTH	09-May-89
PAD98C02115	61973	61973-01	7.4	121	PPE/FLAGGING/PAPER/PLASTIC	02-Feb-87
PAD98C02113	61975	61975-01	7.4	105	PAPER/PLASTIC/PPE	09-May-88
PAD94C32189	92054	CAS-02263	11.4	631	MISCELLANEOUS	25-Feb-85
PAD94C26093	92050	CAS-02546	7.4	165	PCB SOLID WASTE	25-Feb-87
PAD94C03593	5324	CAS-03527	7.4	135	TRASH/TYVEKS/SCRAP METAL	02-Jul-89
PAD91C00243	5363	CAS-09467	7.4	91	PAPER/PLASTIC	27-Apr-88
PAD94C22943	7056	CAS-09600	7.4	103	RAGS	10-Oct-88
PAD94C00508	10990	CAS-09920	7.4	151	DUST MOPS	07-Nov-89
PAD94C22845	5539	CAS-09941	7.4	132	TACKY MATS	05-Dec-89
PAD98C02878	9480	CAS-09729	7.4	75	PAPER/PLASTIC/ETC.(PPE)	10-May-89
PAD94C22894	10234	CAS-09763	7.4	85	PAPER/PPE/PLASTIC	03-Mar-89
PAD94C22850	4905	CAS-09804	7.4	105	PCB AND URANIUM CONTAMINATED PROCESS MOPS	09-Nov-89
PAD94C22849	4905	CAS-09805	7.4	104	PROCESS MOPS	09-Nov-89
PAD94C22930	4905	CAS-09806	7.4	121	PCB AND URANIUM CONTAMINATED PROCESS MOPS	09-Nov-89
PAD94C00278	7497	CAS-09892	7.4	150	TACKY MATS	15-Dec-89
PAD94C21360	4916	CAS-10016	7.4	95	PLASTIC/TYVEK/RAGS/RUBBER GLOVES/< 1 LB METAL/ZORBALL	14-Feb-90
PAD94C01054	10839	CAS-10832	7.4	98	PAPER/PLASTIC/PPE	10-May-88
PAD94C02927	16630	CAS-14023	7.4	140	PAPER/PLASTIC/TYVEKS/BELTS/GLOVE	15-May-91
PAD94C02397	1849	CAS-14025	7.4	276	CLOTHING/SHOE SCUFFS	14-May-91
PAD94C02976	15856	CAS-14102	7.4	133	PAPER/PLASTIC/TYVEKS/GLOVES/MISC	04-Jun-91
PAD94C02930	15855	CAS-14115	7.4	99	RAGS/BOOTS/PLASTIC/TYVEKS/GLOVES	31-May-91
PAD94C02367	1849	CAS-14125	7.4	100	CLOTHING/SHOE SCUFFS	14-May-91
PAD01C02824	13694	CAS-14367	11.4	262	GLOVES/TYVEKS/RUBBER HOSE/TAPE	26-Jul-91
PAD94C03017	15873	CAS-14591	7.4	202	PAPER/RAGS/GLOVES FROM CLEANUP	12-Jul-91
PAD98C02884	662	CAS-14749	7.4	87	PAPER/PPE/PLASTIC	10-May-88
PAD94C03140	10458	CAS-15157	11.4	347	TYVEKS/RAGS/GLOVES	24-Aug-89
PAD94C03128	16458	CAS-15345	11.4	168	PPE/PLASTIC; PHASE I - I.D.W.	01-Dec-89
PAD94C03116	16458	CAS-15351	11.4	178	PPE/PLASTIC	11-Dec-89
PAD94C03008	16458	CAS-15350	7.4	82	PPE/PLASTIC	22-Aug-90
PAD94C02952	16458	CAS-15358	7.4	118	PPE/PLASTIC	22-Aug-90
PAD94C02915	16459	CAS-15363	7.4	75	CARDBOARD/PLASTIC DEBRIS	17-May-90
PAD98C03626	16459	CAS-15364	7.4	130	CARDBOARD/VERMICULITE	13-Sep-90
PAD94C03634	18322	CAS-15422	7.4	74	TYVEK SUITS	10-May-91
PAD94C02979	23280	CAS-15348	7.4	191	PPE/PLASTIC	01-Jul-91
PAD94C03718	23604	CAS-15935	7.4	163	PPE/RAGS/PLASTIC	10-Mar-93
PAD94C02444	34921	CAS-16647	7.4	140	PPE/RAGS/RUBBER HOSES/SCRUB PADS	24-Mar-93
PAD94C00087	31254	CAS-17067	7.4	65	PPE/PLASTIC/RAGS	13-Apr-93
PAD94C03409	38560	CAS-17266	7.4	100	PPE/OIL SOAKED RAGS	03-May-94
PAD94C30561	35077	CAS-17290	7.4	144	VACUUM CLEANER, HOSES, GLOVES	28-Apr-94
PAD94C30604	33776	CAS-17333	7.4	87	PPE/RAGS/PLASTIC	07-Jun-94
PAD94C32215	41177	CAS-17402	7.4	136	PPE/PADS	10-Mar-94

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754719 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Paducah & Louisville Railway, Inc — U.S. EPA ID Number: KYD000735845

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone: — U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 11303 MBq, Fissile Excepted	1	CM	1986	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Railcar: GBRX20680
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 02/11/87
If undeliverable, return to generator
Shipment ID: 6202-15-0119

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Teresa Setser on behalf of DOE — Signature: [signature] — Month: 4 Day: 24 Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Teresa Setser on behalf of P&L — Signature: [signature] — Month: 4 Day: 24 Year: 09

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

RECEIVED
MAY 1 0 2009

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Justin Lee — Signature: [signature] — Month: 5 Day: 7 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754719JJK

Shipment ID Number: 6202-15-0119

Shipment Date: 4/24/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
109626-04	WNKU072306-9	PCB Contaminated Trash	02/11/87	532.8	12500	5669.88	11302.82
Totals				**532.8**	**12500**	**5669.88**	**11302.82**

See attached Drum List for specific information for each drum loaded into the bulk container.

Drum List Attachment, Page 3 of 3
Manifest Number: 001754710JJK
Shipment ID Number: 6202-15-0119
Shipment Date: 4/24/2009
Bulk Container ID Number: WNKU072306-9

Barcode	RFD	Waste ID	Curr Vol	Curr Wt	Description	PCB Date
PAD98C01549	101020	101020-01	7.4	92	SAMPLING DEBRIS:CLOTH/PPE/PLASTI	23-Sep-98
PAD99C00737	101737	101737-01	7.4	74	PPE/PLASTIC/PADS	03-May-99
PAD00C00051	101829	101829-01	7.4	78	PCB SOLID WASTE - RAGS, GLOVES, PPE, PLASTIC, ETC...	08-Mar-99
PAD99C00314	101961	101961-01	7.4	129	PCB BCS TRASH -PPE/MASLINE/PAPER/PLASTIC/DRUM LINERS	19-Mar-99
PAD98C03582	102535	102535-01	7.4	74	PPE/PAPER/PLASTIC/ETC.	20-Oct-98
PAD01C02205	104372	104372-01	7.4	93	DECON MATERIAL FROM CAPACITOR PROJECT. PPE, RAGS, PLASTIC, USED SOLVENT.	08-Jan-01
PAD03C01145	105089	105089-01	7.4	156	PCB WASTE SOLIDS / PPE	23-Jul-02
PAD03C01144	105089	105089-02	7.4	87	PCB WASTE SOLIDS / PPE	23-Jul-02
PAD03C01356	106206	106206-01	7.4	59	PCB SPILL CLEAN UP DEBRIS, PPE, PLASTIC, RAGS, SCRUB PADS	12-Nov-02
PAD05C06896	106333	106333-01	7.4	123	PCB SPILL CLEANUP DEBRIS - PPE, PVC PIPE	22-Jan-04
PAD05C06899	106335	106335-01	7.4	128	PCB SOLIDS FROM ACTIVITIES ASSOCIATED WITH PCB NON-GASKET SPILL 748. PPE, MOP HEADS, RAGS, SCRUB PADS, GLOVES, PLASTIC.	28-Jun-04
PAD05C06898	106339	106339-01	7.4	102	RAGS, PPE, ETC FROM NON-GASKET SPILL 740	20-Sep-04
PAD06C00658	106734	106734-01	7.4	86	PCB SOLIDS - PPE, RAGS, PADS	08-Nov-04
PAD04C04937	107543	107543-01	7.4	123	PCB SPILL CLEANUP DEBRIS; PPE, PLASTIC, RAGS, SCRUB PADS, PVC PIPE AND VALVE.	29-Jun-04
PAD06C01043	108565	108565-01	7.4	129	PCB SOLIDS FROM CLEANUP OF GASKET 1768. PADS, PPE, RAGS, GLASS.	07-Jul-05
PAD06C00643	108569	108569-01	7.4	87	PCB SOLIDS FROM SPILL CLEANUP	05-Apr-05
PAD05C06685	108570	108570-01	7.4	107	PCB SOLIDS FROM SPILL #748. PPE, PADS, GLOVES, RAGS	04-Nov-04
PAD08C05069	108896	108896-01	7.4		PPE, PLASTIC, RAGS, PADS FROM DECON OF PCB RAMS IN DMSA 337-35.	28-Feb-08
PAD07C03250	108902	108902-01	7.4	64	MISCELLANEOUS WASTE FROM PCB TROUGHING ACTIVITIES (PVC PIPING, VALVES, FITTINGS, GLOVES, RAGS)	18-Jan-07
PAD06C00264	109158	109158-01	7.4	107	PCB SAMPLING DEBRIS (BCS) - PPE, PADS, PLASTIC, GLASS	21-Aug-07
PAD05C06717	120019	120019-02	7.4	71	PCB CLEANUP DEBRIS; CONSISTS OF SARANEX SUITS, EAR PLUGS, NITRILE GLOVES, PCB PIPING, ETC. THESE WERE NOT GENERATED FROM A FISSILE AREA.	18-May-05
PAD06C00150	120020	120020-01	7.4	89	PCB CLEANUP DEBRIS; CONSISTS OF SARANEX SUITS, EAR PLUGS, NITRILE GLOVES, PCB PIPING, ETC. THESE WERE NOT FROM A FISSILE AREA	20-Jul-05
PAD95C02619	33067	33067-01	7.4	93	PPE/PLASTIC	05-Jan-95
PAD97C01750	35196	35196-01	7.4	69	PPE/PADS/SHOES/GLOVES	27-Jan-97
PAD97C01413	51242	51242-01	7.4	98	PPE/PLASTIC/PADS FROM ELECT MT	07-Feb-97
PAD98C00352	54911	54911-04	7.4	68	PPE/RAGS	06-Dec-97
PAD97C03685	55488	55488-01	7.4	135	PPE/RAGS/PADS/PLASTIC	20-Oct-97
PAD97C00784	55544	55544-01	7.4	95	PPE/PAPER/PLASTIC	12-Jan-98
PAD98C00250	55718	55718-01	7.4	94	PPE/MASLIN	27-May-98
PAD97C01755	55742	55742-01	7.4	89	OILY RAGS/GLOVES/PIGS	11-Apr-97
PAD98C00490	61964	61964-01	7.4	106	PPE/PLASTIC/GLOVES	29-Apr-98
PAD98C01591	62521	62521-01	7.4	114	PPE/GLOVES/PAPER	20-May-98
PAD94C26062	4411	CAS-02519	7.4	364	MISCELLANEOUS	11-Feb-87
PAD94C03590	5324	CAS-08526	7.4	176	TRASH	02-Jul-89
PAD94C03575	5324	CAS-08530	7.4	118	TYVEKS/RAGS/SCRAPARON	02-Jul-89
PAD94C03635	5324	CAS-08531	7.4	131	TRASH/TYVEKS/SHEET METAL	02-Jul-89
PAD94C00440	7072	CAS-08697	7.4	88	DEBRIS/PLASTIC/RAGS	19-Oct-89
PAD94C03743	10489	CAS-09537	7.4	135	TRASH	08-Dec-89
PAD94C03588	10489	CAS-09542	7.4	126	TRASH	08-Dec-89
PAD94C03703	5644	CAS-09563	7.4	112	OILY RAGS	20-Oct-89
PAD94C22848	10990	CAS-09621	7.4	116	DUST MOPS	07-Nov-89
PAD94C00198	2022	CAS-09738	7.4	305	DEBRIS	21-Sep-89
PAD94C00311	2021	CAS-09741	7.4	133	DEBRIS	21-Sep-89
PAD94C03461	9260	CAS-10095	7.4	172	RAGS, GLOVES	20-Feb-90
PAD94C00473	1996	CAS-10121	7.4	107	WOOD/PLASTIC/CARDBOARD	28-Feb-90
PAD94C21416	10785	CAS-10190	7.4	150	TYVEKS, GLOVES, SUITS, RAGS	25-May-90
PAD94C02601	8103	CAS-10342	7.4	108	CLOTH, PAPER, PLASTIC	20-Jun-90
PAD94C02455	11605	CAS-10394	7.4	97	TACKY MATS	03-Apr-90
PAD94C00384	15621	CAS-10971	7.4	75	PLASTIC, GLOVES, & SHOE COVERS	02-Oct-90
PAD94C03556	14238	CAS-10987	7.4	214	GLOVES,SHOE SCUFFS,PLATIC,TYVEK	06-Nov-90
PAD94C03543	13224	CAS-11021	7.4	132	RAGS, PAPER, OIL	13-Nov-90
PAD94C02450	17525	CAS-14681	7.4	238	PPE/PADS/FLOORSWEEPS/LABELS	29-Jul-91
PAD94C00578	20252	CAS-15011	7.4	116	PPE/RAGS	16-Sep-91
PAD94C22065	31677	CAS-16947	7.4	103	PPE/RAGS/PLASTIC	23-Mar-93
PAD94C03200	41158	CAS-16922	7.4	83	PPE/RAGS/SCRUBBERS	06-Jan-94
PAD94C00120	40085	CAS-17100	7.4	84	PPE/PLASTIC/METAL	08-Oct-93
PAD94C30663	39144	CAS-17118	7.4	89	PPE, PAPER	11-Apr-94
PAD94C28446	37282	CAS-17259	7.4	135	PPE & PLASTIC SHEETING	03-May-94
PAD94C28447	37282	CAS-17261	7.4	160	PPE & PLASTIC SHEETING	03-May-94
PAD94C28455	37282	CAS-17262	7.4	113	PPE & PLASTIC SHEETING	03-May-94
PAD94C28456	37282	CAS-17263	7.4	116	PPE & PLASTIC SHEETING	03-May-94
PAD94C30659	36367	CAS-17301	7.4	112	PAPER/PLASTIC/GLASS	15-Apr-94
PAD94C32216	41194	CAS-17403	7.4	95	PPE/RAGS	13-Apr-94
PAD94C33595	35113	CAS-17500	7.4	106	PPE	22-Nov-94
PAD94C30551	37887	CAS-17530	7.4	157	PPE/RAGS	09-Jun-94
PAD95C00029	36399	CAS-17551	7.4	119	PPE/COLIWASAS/GLOVES	17-Nov-94
PAD94C30597	36377	CAS-17654	7.4	92	PPE/PAPER	11-May-94
PAD94C30594	36381	CAS-17671	7.4	112	PPE/PLASTIC/SAMPLING DEBRIS	28-Mar-94
PAD95C00156	47654	CAS-17675	7.4	102	RAGS	17-Feb-95
PAD95C01855	34240	CAS-17717	7.4	101	PPE/PVC/METAL	11-May-94
PAD95C10632	54002	54002-01	7.4	86	TYVEK/RAGS/MASLINS/DRUMCOVERS	20-Mar-96
PAD95C01505	51340	CAS-18127	7.4	94	PPE/RAGS/RUBBER	03-Sep-95

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754720 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Paducah & Louisville Railway, Inc — U.S. EPA ID Number: KYD000735845

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ, (PCB), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 8767 MBq, Fissile Excepted	1	CM	1583	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Railcar: GBRX20685 — PCB Start Date: 12/13/88
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 — If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info — Shipment ID: 6202-15-0120

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Teresa Setser on behalf of DOE — Signature: [signature] — Month 4 Day 24 Year 09

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Teresa Setser on behalf of P&L — Signature: [signature] — Month 4 Day 24 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

RECEIVED
MAY 1 0 2009
BY: [signature] U.S. EPA ID Number

18b. Alternate Facility (or Generator)

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Albert Evans — Signature: [signature] — Month 5 Day 8 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754720JJK

Shipment ID Number: 6202-15-0120

Shipment Date: 4/24/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
109626-05	MGLU291728-2	PCB Contaminated Trash	12/13/88	494.34	13220	5996.46	8767.39
Totals				**494.34**	**13220**	**5996.46**	**8767.39**

See attached Drum List for specific information for each drum loaded into the bulk container.

Drum List Attachment, Page 3 of 3

Manifest Number: 001754720JJK

Shipment ID Number: 6202-15-0120

Shipment Date: 4/24/2009

Bulk Container ID Number: MGLU291728-2

Barcode	RFD	WasteID	Curr_Vol	Curr_Wt	Description	RCA Date
PAD99C00117	101257	101257-01	7.4	77	PPE/WET WOOD/PLASTIC/PADS/SARANEX/GLOVES FROM SPILL CLEAN UP OF CAS-14964	15-Jul-99
PAD99C01146	101561	101561-01	7.4	81	PCB WASTE SOLIDS/PPE/PLASTIC/RAGS	16-Apr-99
PAD02C06794	103390	103390-01	7.4	138	PPE, RAGS, AND PADS	23-Aug-01
PAD01C02733	103663	103663-01	7.4	89	BCS TRASH WR116 NITRILE GLOVES, HP SWIPES, LEATHER GLOVES, PLASTIC, PPE, TAPE, HYPALON (FROM SORTING AND REPACKAGING PCB/RAD SOLID WASTE)	27-Jul-01
PAD00C00349	103879	103879-01	7.4	115	PCB BCS TRASH FROM SAMPLING ACTIVITIES (AW-55).	05-Sep-00
PAD01C02722	104452	104452-01	7.4	75	RAD INCINERABLE DEBRIS. BCS TRASH	15-Nov-00
PAD05C06900	106336	106336-01	7.4	124	PCB SOLIDS FROM ACTIVITIES ASSOCIATED WITH PCB NON-GASKET SPILL 748. APRONS, GLOVES, RAGS, SCRUB PADS, PPE, GLOVES, BOOTIES.	26-Jun-01
PAD07C03142	106337	106337-01	7.4	125	PCB SOLIDS FROM NON GASKET SPILL. PPE, MOPHEADS, RAGS, FLAGGING, PADS	13-Jul-04
PAD07C03143	107673	107673-01	7.4	104	PCB SOLIDS - EM ACTIVITIES IN C-537. RAGS, PADS, PPE, GLOVES.	25-Jan-01
PAD05C06689	108572	108572-01	7.4	94	PCB SOLIDS FROM SPILL CLEANUP. PPE, RAGS, GLOVES, PADS, BOOTIES.	04-Nov-04
PAD08C05270	108896	108896-02	7.4	105	PPE, PLASTIC, RAGS, PADS FROM DECON OF PCB RAMS IN DMSA 337-35.	14-May-08
PAD06C02427	108956	108956-01	7.4	125	PCB SOLIDS FROM SPILL CLEANUP/SAMPLING. PPE, PADS, RAGS, FLAGGING, TAPE.	08-Aug-06
PAD02C17365	113600	113600-01	7.4	192	PCB SPILL CLEANUP DEBRIS, GLOVES, RAGS, PLASTIC, SCRUB PADS	07-Aug-02
PAD97C01481	46016	46016-01	7.4	83	PPE/MASLIN/PADS	24-Jul-97
PAD95C01398	40743	40743-02	7.4	108	PPE/PLASTIC	09-Feb-95
PAD96C00437	52836	52836-01	7.4	95	PPE	10-Oct-96
PAD97C00747	53076	53076-01	7.4	99	PPE/RAGS	07-Mar-97
PAD95C01674	53986	53986-01	7.4	142	PPE, WOOD	04-Mar-96
PAD95C00496	55518	55518-01	7.4	87	PPE/PLASTIC/PADS	03-Mar-98
PAD95C02103	55550	55550-01	7.4	87	PPE/RAGS/PLASTIC	23-Jan-98
PAD95C09757	55736	55736-01	7.4	107	PCB PPE FROM PUMP DECON	20-Mar-97
PAD97C01494	55771	55771-03	0.67	6	PPE/TAPE	26-Sep-97
PAD97C01630	55782	55782-01	0.67	9	PPE/RAGS/PIGS/PLASTIC	18-Nov-97
PAD95C10856	56674	56674-01	7.4	93	PAPER/PLASTIC/PPE/ETC.	22-Jan-97
PAD95C10853	56675	56675-01	7.4	86	PAPER/PLASTIC/PPE/ETC.	22-Jan-97
PAD96C00431	56696	56696-01	7.4	90	CARDBOARD/PADS/PPE/GLOVES	26-Sep-96
PAD97C00766	61931	61931-01	7.4	104	PPE, PLASTIC, KIMWIPES, PADS	12-Mar-97
PAD97C01900	62482	62482-01	7.4	100	PPE/PADS/PLASTIC/PAPER	15-May-97
PAD94C25504	6683	CAS-08379	7.4	88	CONT. COVERALLS AND WORK SHOES	27-Mar-89
PAD94C03574	5324	CAS-08525	7.4	107	TYVEKS/TRASH/SCRAP METAL	02-Jul-89
PAD94C03591	5324	CAS-08532	7.4	142	TYVEKS/TRASH/SCRAP IRON	02-Jul-89
PAD94C01329	10489	CAS-09536	7.4	139	TRASH	06-Dec-89
PAD94C01360	10489	CAS-09541	7.4	139	TRASH	08-Dec-89
PAD94C01330	10409	CAS-09543	7.4	132	TRASH	08-Dec-89
PAD94C00428	9288	CAS-09660	7.4	130	TRASH PER SAMPLING	31-Dec-89
PAD94C00966	9257	CAS-09692	7.4	113	TRASH	31-Oct-89
PAD94C22990	9286	CAS-09771	7.4	95	TACKY MATS	29-Nov-89
PAD94C00303	9563	CAS-09781	7.4	121	TRASH	29-Nov-89
PAD94C21390	4915	CAS-10016	7.4	102	TYVEKS, RAGS, PLASTIC	14-Feb-90
PAD94C21389	4915	CAS-10018	7.4	104	TYVEKS, RAGS, PLASTIC	14-Feb-90
PAD94C21361	4915	CAS-10024	7.4	134	TYVEKS, RAGS, PLASTIC	14-Feb-90
PAD94C00285	12702	CAS-10087	7.4	113	ZORBALL, GLOVES/SHOE COVERS/RAGS	15-Mar-90
PAD94C00686	11530	CAS-10180	7.4	150	CUST MOPS	17-Apr-90
PAD94C00894	15605	CAS-10286	7.4	107	TRASH	23-May-90
PAD94C02031	8163	CAS-10343	7.4	97	CLOTH, PAPER, PLASTIC	20-Jun-90
PAD94C02451	11628	CAS-10392	7.4	93	TACKY MATS	13-Jun-90
PAD94C21409	4916	CAS-10448	7.4	105	TYVEKS, RAGS, PLASTIC	22-May-90
PAD94C03541	14239	CAS-10988	7.4	70	PLASTIC, SHOE SCUFFS, & GLOVES	06-Nov-90
PAD94C02623	8163	CAS-12504	7.4	91	CLOTH, PAPER, PLASTIC	20-Jun-90
PAD94C02039	15857	CAS-14250	7.4	87	RUBBERGLOVES/RAGS/PLASTIC/WOOD	17-Jun-91
PAD94C00672	15873	CAS-14869	7.4	75	PAPER/RAGS/PPE	08-Jul-91
PAD94C22038	23584	CAS-14954	7.4	119	PPE/EMPTY CONTAINERS	06-Feb-92
PAD94C03019	5714	CAS-15131	7.4	285	OILY RAGS	13-Dec-88
PAD94C03155	16458	CAS-15350	11.4	110	PPE/PLASTIC; PHASE I - I.D.W.	09-Dec-89
PAD94C03144	16458	CAS-15352	11.4	150	PPE/PLASTIC; PHASE I - I.D.W.	13-Dec-89
PAD05C07408	16458	CAS-15354	11.4	231	PPE/PLASTIC; PHASE I - I.D.W.	01-Feb-90
PAD94C02877	16458	CAS-15359	7.4	131	PPE/PLASTIC	22-Aug-90
PAD94C22056	32344	CAS-15934	7.4	87	TYVEK/PAPER/PLASTIC/GLOVES/GLASS	08-Mar-93
PAD94C28444	37282	CAS-17264	7.4	123	PPE & PLASTIC SHEETING	03-May-94
PAD91C30390	40151	CAS-17396	7.4	71	PPE/PLASTIC	10-Jun-94
PAD94C32619	41002	CAS-17506	7.4	134	PPE/PADS/ELECTRIC PARTS	09-Sep-94
PAD95C00125	45044	CAS-17665	7.4	112	RAGS/PPE/PLASTIC	31-Mar-94
PAD95C00742	33059	CAS-17709	7.4	94	PPE/PLASTIC/PADS	24-Aug-94
PAD95C00153	33059	CAS-18016	7.4	94	PPE/PLASTIC/PADS	20-Dec-94
PAD95C01532	50332	CAS-18099	7.4	114	OILY RAGS/PPE/PLASTIC	09-May-95
PAD95C01534	50328	CAS-18102	7.4	139	OILY RAGS/PPE	28-Apr-95
PAD97C00775	56710	56710-01	7.4	105	PPE/PLASTIC/PAPER	02-Apr-97

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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754721 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 11209 MBq, Fissile Excepted	62	DM	1925	K	
X	2. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(Asbestos, PCB), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 943 MBq, Fissile Excepted	2	DM	162	K	
X	3. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Am-241, Tc-99, Th-230, U-234, Solid/Oxide, 3418 MBq, Fissile Excepted	15	DM	787	K	
X	4. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Am-241, Np-237, Pu-239, Tc-99, Th-230, Solid/Oxide, 1955 MBq, Fissile Excepted	14	DM	398	K	

14. Special Handling Instructions and Additional Information
Truck: 747 Trailer: 49568 TID: 6552092
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 02/25/85
If undeliverable, return to generator
Shipment ID: 6202-15-0121

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on Behalf of USDOE | Signature: Carrie Maxie | Month 04 Day 24 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Grayson Davis | Signature | Month 4 Day 24 Year 09
Transporter 2 Printed/Typed Name | Signature | Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number: U.S. EPA ID Number:

RECEIVED MAY 1-0 2009 BY: TS

18b. Alternate Facility (or Generator)
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) | Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129	H129	H129	H129

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Albert Ennis | Signature: Albert Ennis | Month 4 Day 27 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754721JJK

Shipment ID Number: 6202-15-0121

Shipment Date: 4/24/2009

UHWM Section	RFD	Container / WASTE ID	Barcode	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
9b.1	101929	101929-02	PAD01C02020	PPE/PLASTIC/PAPER DEBRIS	09/15/99	7.4	102	46.27	121.522
9b.1	101929	101929-03	PAD01C02021	PPE/PLASTIC/PAPER DEBRIS	09/03/99	7.4	91	41.28	92.463
9b.1	102470	102470-01	PAD07C04016	PPE FROM PCB SPILL CLEANUP ASSOCIATED WITH #643.	06/08/00	4	83	37.65	140.015
9b.1	103277	103277-01	PAD00C00046	HP WIPES, RAGS, GLOVES, APRONS FROM PCB CAPACITOR PROJECT.	11/15/99	7.4	117	53.07	161.149
9b.1	103278	103278-01	PAD00C00047	RAGS, GLOVES, APRONS FROM THE PCB CAPACITOR PROJECT.	12/11/99	7.4	130	58.97	195.492
9b.1	103281	103281-01	PAD00C00028	HP WIPES, PPE, CLEANUP RAGS FROM PCB CAPACITOR PROJECT. RAGS WILL HAVE	02/04/00	7.4	112	50.80	147.940
9b.1	104876	104876-01	PAD03C01340	1 BAG OF PCB TRASH; PAPER, PLASTIC, PPE FROM WR-116.	06/07/01	7.4	77	34.93	55.478
9b.1	105042	105042-01	PAD02C17546	BCS TRASH	09/06/02	7.4	108	48.99	137.373
9b.1	106211	106211-01	PAD03C00633	PCB SOLIDS: PPE, RAGS, PLASTIC, SCRUBPADS.	12/18/02	7.4	110	49.89	142.657
9b.1	106338	106338-01	PAD05C06894	PCB SOLIDS FROM NON-GASKET SPILLS. PPE, RAGS, PADS	09/20/04	7.4	109	49.44	140.015
9b.1	107504	107504-01	PAD03C03080	BCS WASTE/SAMPLING DEBRIS. PPE, PAPER, AND PLASTIC	04/25/03	7.4	71	32.20	39.627
9b.1	107526	107526-01	PAD03C00617	PCB SOLIDS: PPE, PLASTIC, RAGS, SCRUB PADS, RUBBER	05/06/03	7.4	109	49.44	140.015
9b.1	107528	107528-01	PAD03C00637	PCB CLEANUP DEBRIS. PPE, PLASTIC, RAGS, SCRUB PADS	06/10/03	7.4	98	44.45	110.955
9b.1	107529	107529-01	PAD03C00619	PCB SPILL CLEANUP DEBRIS, PPE, RAGS, PLASTIC, SCRUB PADS, PADS	07/24/03	7.4	85	38.56	76.612
9b.1	107730	107730-01	PAD04C04977	BCS WASTE (PAPER, PLASTIC, PPE) FROM AO SAMPLING ACTIVITIES	08/17/04	7.4	105	47.63	129.448
9b.1	108514	108514-01	PAD06C01056	PCB SOLIDS - PPE, PADS, FILTERS, PLASTIC	03/27/06	11.4	248	112.49	443.821
9b.1	108580	108580-01	PAD07C04015	PPE FROM PCB SPILL CLEANUP, SPILL 643.	12/02/99	4	42	19.05	31.701
9b.1	108973	108973-01	PAD07C03281	PCB SOLIDS FROM MAINTENANCE AND SPILL CLEANUP (PPE, RAGS, MORTER, CONCRETE	02/19/07	7.4	141	63.96	224.552
9b.1	115174	115174-01	PAD03C00632	PCB SOLIDS: PPE, PLASTIC, RAGS, SCRUB PADS, PADS, PLASTIC VALVE.	02/04/03	7.4	96	43.54	105.672
9b.1	115175	115175-01	PAD03C00451	PCB SOLIDS: PPE, PLASTIC, RAGS, SCRUBPADS.	03/12/03	7.4	129	58.51	192.851
9b.1	118353	118353-01	PAD08C06014	SPILL CLEANUP DEBRIS FROM PCB 805	07/01/08	7.4	90	40.82	89.821
9b.1	48711	48711-01	PAD97C01044	PPE/BUCKETS/PADS/FILTERS/PLASTIC	03/14/97	7.4	140	63.50	221.910
9b.1	55484	55484-01	PAD95C03641	PPE / TRASH	05/23/97	7.4	60	27.22	10.567
9b.1	56708	56708-01	PAD97C00910	PPE/RAGS/PAPER/ETC.	03/31/97	7.4	87	39.46	81.895
9b.1	59804	59804-01	PAD95C10806	RAGS/PPE/BROOM/COLIWASAS	10/16/96	7.4	85	38.56	76.612
9b.1	59804	59804-02	PAD95C10807	RAGS	07/26/96	7.4	176	79.83	317.015
9b.1	6746	CAS-08366	PAD02C05349	PCB SOLID WASTE	03/21/89	7.4	305	138.34	446.463
9b.1	2141	CAS-09588	PAD94C03099	TACKY MATS	12/11/89	7.4	218	98.88	216.627
9b.1	16522	CAS-12506	PAD94C00203	TRASH	12/19/90	7.4	131	59.42	198.134
9b.1	10222	CAS-12824	PAD94C03549	GLOVES/SUITS/PLASTIC/RAGS/ZORBAL	04/19/91	7.4	132	59.87	200.776
9b.1	14153	CAS-12832	PAD94C03780	GLOVES/RAGS/SHOE SCUFFS	04/10/91	7.4	86	39.01	79.254
9b.1	11019	CAS-14013	PAD02C17585	RAGS/GLOVES/TYVEK SUITS	05/07/91	7.4	263	119.29	335.507
9b.1	11083	CAS-14857	PAD94C03083	TYVEKS AND MISC	05/10/91	7.4	320	145.15	486.089
9b.1	8678	CAS-14956	PAD01C02699	TYVEKS/GLOVES/SHOE COVERS	02/21/92	7.4	167	75.75	81.895
9b.1	18484	CAS-15106	PAD01C02777	PPE/SPILL CLEANUP	03/19/92	7.4	217	98.43	213.985
9b.1	18307	CAS-15198	PAD94C03139	TRASH/SAND	05/10/91	7.4	311	141.07	462.313
9b.1	16458	CAS-15348	PAD94C03120	PPE/PLASTIC	12/05/89	7.4	197	89.36	161.149
9b.1	16458	CAS-15349	PAD94C03156	PPE/PLASTIC; PHASE I - I.D.W. - PPE; PLASTIC	12/07/89	7.4	221	100.24	224.552
9b.1	22127	CAS-15514	PAD01C02755	PLASTIC/GLOVES/MASLIN/SHOE SCUFF	05/19/92	7.4	293	132.90	414.761
9b.1	17611	CAS-15538	PAD01C03308	TYVEK/PAPER/PLASTIC/GLASS/GLOVES	05/19/92	7.4	184	83.46	126.806
9b.1	21660	CAS-15555	PAD94C03782	RAGS/PAPER/GLOVES	01/30/92	7.4	92	41.73	95.104
9b.1	17616	CAS-15562	PAD01C03310	TYVEKS/PAPER/TRASH/PLASTIC/GLASS	09/03/92	7.4	175	79.38	103.030
9b.1	17639	CAS-15563	PAD01C03311	PPE/PAPER/GLASS/PLASTIC/TRASH	08/04/92	7.4	186	84.37	132.090
9b.1	27826	CAS-15567	PAD01C02838	RAGS/PLASTIC/PPE/VERMICULITE	08/16/92	7.4	216	97.98	211.343
9b.1	27827	CAS-15569	PAD01C02676	PAPER/PLASTIC/TRASH	04/28/92	7.4	184	83.46	126.806
9b.1	27830	CAS-15574	PAD01C03326	PPE/PAPER/PLASTIC	07/14/92	7.4	215	97.52	208.701
9b.1	27832	CAS-15583	PAD01C03126	PALLETS/PLASTIC/GLOVES	09/23/92	7.4	209	94.80	192.851

PCB and Additional Information Attachment, Page 3 of 3

Manifest Number: 001754721JJK

Shipment ID Number: 6202-15-0121

Shipment Date: 4/24/2009

UHWM Section	RFD	Container / WASTE ID	Barcode	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
9b.1	27833	CAS-15699	PAD01C02662	PPE/WOOD/PLASTIC	10/13/92	7.4	230	104.33	248.328
9b.1	23919	CAS-15730	PAD01C03291	PPE/PLASTIC - SAMPLING DEBRIS	12/31/92	7.4	180	81.65	116.239
9b.1	15644	CAS-15862	PAD01C03143	PPE/RAGS/METAL	10/06/92	7.4	198	89.81	163.791
9b.1	3128	CAS-15911	PAD01C03098	PPE/PLASTIC/EMPTY BUCKET	02/05/93	7.4	277	125.64	372.492
9b.1	32335	CAS-15912	PAD01C02999	TYVEK/PAPER/GLOVES/PLASTIC	02/23/93	7.4	186	84.37	132.090
9b.1	29322	CAS-15924	PAD01C03172	PPE/PLASTIC/METAL	12/15/92	7.4	208	94.35	190.209
9b.1	32891	CAS-16202	PAD94C21865	PPE PIPE/FITTINGS	05/14/93	7.4	167	75.75	293.239
9b.1	29197	CAS-16228	PAD94C21890	PPE PIPE/FITTINGS	05/21/93	7.4	164	74.39	285.313
9b.1	37282	CAS-17256	PAD94C28452	PPE & PLASTIC SHEETING	05/03/94	7.4	138	62.60	216.627
9b.1	37282	CAS-17260	PAD94C28453	PPE & PLASTIC SHEETING	05/03/94	7.4	95	43.09	103.030
9b.1	33776	CAS-17334	PAD94C30626	PPE/RAGS/PLASTIC	06/12/94	7.4	78	35.38	58.119
9b.1	33776	CAS-17335	PAD94C30625	PPE/RAGS/PLASTIC/MASLIN/HP SMEAR	06/15/94	7.4	86	39.01	79.254
9b.1	36359	CAS-17406	PAD94C30658	DEBRIS & PPE	03/17/94	7.4	96	43.54	105.672
9b.1	41211	CAS-17477	PAD94C34982	PPE/RAGS	06/21/94	7.4	130	58.97	195.492
9b.1	45045	CAS-17535	PAD04C05341	PPE/RAGS	09/27/94	7.4	251	113.85	303.806
9b.2	42692	CAS-17857	PAD95C00391	PPE and Asbestos Containing Material	02/20/95	7.4	221	100.24	435.895
9b.2	42692	CAS-17873	PAD95C00439	PPE and Asbestos Containing Material	03/10/95	7.4	248	112.49	507.224
9b.3	5542	05542-02	PAD94C40684	TRASH	12/13/00	7.4	89	40.37	64.968
9b.3	92053	CAS-02262	PAD94C22278	MISCELLANEOUS	02/25/85	7.4	280	127.01	283.495
9b.3	5678	CAS-06382	PAD94C24964	SOLID WASTE	10/20/88	7.4	227	102.96	336.651
9b.3	7227	CAS-08279	PAD94C25434	PCB/U CONTAMINATED WASTE	11/17/88	7.4	291	131.99	462.649
9b.3	5363	CAS-09465	PAD94C00389	TRASH	11/07/89	7.4	244	110.68	370.119
9b.3	9288	CAS-09650	PAD94C00193	TRASH PER SAMPLING	12/31/89	7.4	166	75.30	216.559
9b.3	9478	CAS-09726	PAD94C03137	DEBRIS	07/25/89	7.4	214	97.07	153.560
9b.3	4915	CAS-10025	PAD94C21424	TYVEKS, RAGS, PLASTIC	02/14/90	7.4	124	56.25	133.873
9b.3	5158	CAS-10086	PAD94C02939	HYDRAULIC TUBING/RAGS/MISC	03/13/90	7.4	155	70.31	194.903
9b.3	11511	CAS-10270	PAD94C00870	FLOOR SWEEP	06/24/90	7.4	155	70.31	194.903
9b.3	4915	CAS-10443	PAD94C21423	TYVEKS, RAGS, PLASTIC	02/14/90	7.4	115	52.16	116.154
9b.3	4918	CAS-10447	PAD94C21365	TYVEKS, RAGS, PLASTIC	05/22/90	7.4	126	57.15	137.810
9b.3	11664	CAS-11268	PAD94C00539	OILY PANS, PIGS & TRASH	12/03/90	7.4	102	46.27	90.561
9b.3	8144	CAS-14432	PAD98C02872	PAPER/PPE/PLASTIC	09/07/89	7.4	176	79.83	78.749
9b.3	5678	CAS-15206	PAD94C02386	SOLID WASTE	06/11/89	7.4	352	159.66	582.740
9b.4	10905	10905-02	PAD94C37316	MISCELLANEOUS TRASH	12/13/00	7.4	99	44.91	95.844
9b.4	10905	10905-03	PAD94C37983	MISCELLANEOUS TRASH	12/13/00	7.4	93	42.18	82.471
9b.4	10905	10905-07	PAD94C37245	MISCELLANEOUS TRASH	12/13/00	7.4	98	44.45	93.615
9b.4	13030	13030-10	PAD94C28047	MISCELLANEOUS TRASH	12/13/00	7.4	182	82.55	280.846
9b.4	13030	13030-19	PAD94C28155	MISCELLANEOUS TRASH	12/13/00	7.4	121	54.88	144.881
9b.4	13030	13030-53	PAD94C28096	MISCELLANEOUS TRASH	12/13/00	7.4	90	40.82	75.784
9b.4	10489	CAS-09535	PAD94C03165	TRASH	12/08/89	7.4	182	82.55	102.531
9b.4	5539	CAS-09642	PAD94C03133	TACKY MATS	12/05/89	7.4	162	73.48	57.952
9b.4	8548	CAS-09707	PAD94C22893	RAGS/GLOVES	02/07/90	7.4	141	63.96	189.460
9b.4	4915	CAS-10021	PAD94C21406	TYVEKS, RAGS, PLASTIC	02/14/90	7.4	92	41.73	80.242
9b.4	4915	CAS-10022	PAD94C21361	TYVEKS, RAGS, PLASTIC, MOPHEADS, ZORBALL, PILLOWS, PPE, RUBBER GLOVES	02/14/90	7.4	150	68.04	209.520
9b.4	8480	CAS-10097	PAD94C00570	PAPER, RAGS, GLASS BOTTLES	03/26/90	7.4	200	90.72	320.967
9b.4	10795	CAS-10202	PAD94C21419	TYVEKS, GLOVES, SUITS, RAGS	05/25/90	7.4	84	38.10	62.410
9b.4	10458	CAS-15159	PAD94C02402	TYVEKS/RAGS/GLOVES	08/24/89	7.4	127	57.61	158.254
		Totals	**93**			**685.4**	**14713**	**6673.67**	**17524.71**

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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754722 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Specialty Transport Inc.
U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 9189 MBq, Fissile Excepted	1	CM	5597	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Trailer: 4811 Truck: 333
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 02/06/90
If undeliverable, return to generator
Shipment ID: 6202-15-0122

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Delpain on behalf of USDOE
Signature: LaChelle Delpain
Month 04 Day 24 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JAMES LEE PAYNE
Signature: James Lee Payne
Month 04 Day 24 Year 09
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

RECEIVED MAY 10 2009 BY: B

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Albert Evans
Signature: Albert Evans
Month 4 Day 27 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754722JJK

Shipment ID Number: 6202-15-0122

Shipment Date: 4/24/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	TIDs
117041-01	TTNU276034-0	PCB Contaminated Floorsweep, and Absorbent	02/06/90	534.6	21740	9861.05	9188.57	008306 and 0008305
Totals				**534.6**	**21740**	**9861.05**	**9188.57**	

See attached Drum List for specific information for each drum loaded into the bulk container.

Drum List Attachment, Page 3 of 3
Manifest Number: 001754722JJK
Shipment ID Number: 6202-15-0122
Shipment Date: 4/24/2009
Bulk Container ID Number: TTNU276034-0

Barcode	WasteID	RFD	Net Vol	Gross Wt	Description	Origin Date	PCB Date
PAD09C10304	CAS-14133	13890	11.4	483	FLOOR SWEEP	2/9/2009	10-Jun-91
PAD94C00072	CAS-14155	13890	7.4	228	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C00077	CAS-14154	13890	7.4	229	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02493	CAS-14137	13890	7.4	251	FLOOR SWEEP	2/10/2009	10-Jun-91
PAD94C02494	CAS-14134	13890	7.4	220	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02495	CAS-14159	13890	7.4	275	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02496	CAS-14158	13890	7.4	235	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02497	CAS-14163	13890	7.4	228	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02499	CAS-14136	13890	7.4	252	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02509	CAS-14152	13890	7.4	104	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02510	CAS-14153	13890	7.4	105	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02511	CAS-14139	13890	7.4	236	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02512	CAS-14138	13890	7.4	258	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02513	CAS-14240	13890	7.4	250	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02514	CAS-14239	13890	7.4	284	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02515	CAS-14141	13890	7.4	238	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02516	CAS-14140	13890	7.4	320	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02517	CAS-14189	13890	7.4	241	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02519	CAS-14142	13890	7.4	248	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02520	CAS-14143	13890	7.4	238	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02521	CAS-14178	13890	7.4	210	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02522	CAS-14177	13890	7.4	223	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02523	CAS-14185	13890	7.4	242	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02524	CAS-14184	13890	7.4	267	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02525	CAS-14172	13890	7.4	231	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02526	CAS-14174	13890	7.4	191	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02527	CAS-14244	13890	7.4	224	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02528	CAS-14243	13890	7.4	221	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02529	CAS-14181	13890	7.4	225	FLOOR SWEEP	2/10/2009	10-Jun-91
PAD94C02531	CAS-14182	13890	7.4	222	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02532	CAS-14247	13890	7.4	236	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02533	CAS-14246	13890	7.4	238	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02534	CAS-14180	13890	7.4	228	FLOOR SWEEP	2/11/2009	10-Jun-91
PAD94C02535	CAS-14183	13890	7.4	203	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02536	CAS-14241	13890	7.4	231	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02537	CAS-14242	13890	7.4	219	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02538	CAS-14175	13890	7.4	221	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02539	CAS-14173	13890	7.4	211	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02540	CAS-14187	13890	7.4	206	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02541	CAS-14186	13890	7.4	246	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02542	CAS-14176	13890	7.4	223	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02543	CAS-14179	13890	7.4	215	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02545	CAS-14144	13890	7.4	204	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02546	CAS-14191	13890	7.4	241	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02547	CAS-14188	13890	7.4	262	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02548	CAS-14127	13890	7.4	234	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02549	CAS-14126	13890	7.4	192	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02550	CAS-14194	13890	7.4	246	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02551	CAS-14193	13890	7.4	290	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02552	CAS-14129	13890	7.4	252	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02553	CAS-14128	13890	7.4	240	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02554	CAS-14151	13890	7.4	130	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02555	CAS-14150	13890	7.4	98	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02565	CAS-14131	13890	7.4	272	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02567	CAS-14192	13890	7.4	201	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02568	CAS-14160	13890	7.4	214	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C02570	CAS-14132	13890	7.4	235	FLOOR SWEEP	2/11/2009	10-Jun-91
PAD94C02643	CAS-14245	13890	7.4	223	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C03094	CAS-14169	13890	11.4	475	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C03197	CAS-14167	13890	11.4	494	FLOOR SWEEP	3/19/2009	10-Jun-91
PAD94C03399	CAS-16623	34723	7.4	100	SPILL CLEANUP/PPE/ABSORBENTS	3/19/2009	22-Oct-93
PAD94C03402	CAS-16629	34723	7.4	245	SPILL CLEANUP/PPE/ABSORBENTS	3/19/2009	22-Oct-93
PAD94C21820	CAS-15297	16650	11.4	292	FLOOR SWEEP	3/19/2009	14-Feb-90
PAD94C22094	CAS-14098	15760	7.4	84	FLOOR SWEEP	3/19/2009	05-Jun-91
PAD94C22890	CAS-14266	14901	7.4	201	OIL ABSORBENT PADS/BOOMS	3/19/2009	17-Jun-91
PAD94C22898	CAS-11202	13851	7.4	200	ZORBALL	3/19/2009	06-Feb-90
PAD94C22899	CAS-11203	13851	7.4	276	ZORBALL	3/19/2009	06-Feb-90
PAD94C22968	CAS-11201	13851	11.4	295	ZORBALL	3/19/2009	06-Feb-90
PAD98C02222	CAS-14135	13890	11.4	356	FLOOR SWEEP	3/19/2009	10-Jun-91

UHWM# 001754723JJK

Facility Owner/Operator signed driver's copy of manifest which does not contain driver's signature.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number: KY 8890008982	2. Page 1 of: 3	3. Emergency Response Phone: 1-270-441-6211	4. Manifest Tracking Number: 001754723 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd.
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone: — U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, surface contaminated objects (SCO-II), 7, UN2913, RQ(PCB), Np-237, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 1818 MBq, Fissile Excepted	1	CM	7130	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 361 Trailer: 4842
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info

PCB Start Date: 08/28/69
If undeliverable, return to generator
Shipment ID: 9306-17-0010

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of USDOE — Signature: LaChelle Telfair — Month: 05 Day: 01 Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month Day Year

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number: U.S. EPA ID Number

RECEIVED MAY 06 2009 BY: TS

18b. Alternate Facility (or Generator)
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Albert Evans — Signature: Albert Evans — Month: 5 Day: 4 Year: 09

EPA Form 8700-22 (Rev. 3-05). Previous editions are obsolete.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-00

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754723 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, surface contaminated objects (SCO-II), 7, UN2913, RQ(PCB), Np-237, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 1818 MBq, Fissile Excepted	1	CM	7130	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 361 Trailer: 4842
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 08/28/89
If undeliverable, return to generator
Shipment ID: 9306-17-0010

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of USDOE — Signature: LaChelle Telfair — Month: 05 Day: 01 Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: DONALD MONDAY — Signature: Donald Monday — Month: 5 Day: 1 Year: 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754723 JJK
Shipment ID Number: 9306-17-0010
Shipment Date: 5/1/2009

Bulk Container Information

UHWM Section	RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	TID Number
Page 1 - 9b.1	108231	108231-01	PAD08C05368	PCB Transformers	8/28/1989	300	23840	10813.59	0023682, 0026052, 0026051, 0026062, 0026063
		Totals	1			300	23840	10813.59	

See attached Drum List for specific information for each drum loaded into bulk container

Drum List Attachment. Page 3 of 3

Manifest Number: 001754723 JJK

Shipment ID Number: 9306-17-0010

Shipment Date: 5/1/2009

Bulk Container ID Number: 108231-01

Barcode	WasteID	RED	Net Vol	Gross Wt	Description	PCB Date
PAD08C05365	107431-01	107431	7.4	524	PROJECT.	05-Nov-90
PAD08C05366	107431-02	107431	7.4	690	PROJECT.	05-Nov-90
PAD09C10174	116193-01	116193	4	172	30 GALLON CONTAINER FOR LIQUID FILLED POTENTIAL TRANSFORMERS	17-May-05
PAD06C01678	116300-01	116300	7.4	149	OIL-FILLED TRANSFORMERS	17-May-05
PAD95C03599	53033-01	53033	11.4	261	TRANSFORMERS	NA
PAD95C03606	53033-02	53033	11.4	273	TRANSFORMERS	NA
PAD95C02315	54611-01	54611	7.4	191	TRANSFORMERS (SMALL)	03-Oct-95
PAD94C03700	CAS-08368	22008	7.4	213	VOLTAGE REGULATOR/PLASTIC	21-Oct-89
PAD94C00313	CAS-08736	8377	7.4	127	SMALL TRANSF ON POWER SUPPLY	28-Aug-89
PAD94C21427	CAS-11285	8444	7.4	420	2' X 2' PCB TRANSFORMER	11-Dec-90
PAD94C03213	CAS-16227	35012	7.4	287	FREQ. RESP. UNITS/SIGNAL FILTERS	24-May-93
PAD94C02330	CAS-16563	36248	7.4	397	POTENTIAL TRANSFORMERS	15-Sep-93
PAD94C02300	CAS-16564	36248	7.4	516	POTENTIAL TRANSFORMERS	20-Sep-93
PAD94C02503	CAS-16651	40091	7.4	276	POTENTIAL TRANSFORMERS	11-Oct-93
PAD94C02443	CAS-16652	41103	7.4	534	POTENTIAL TRANSFORMERS	20-Sep-93
PAD94C02353	CAS-16653	41103	7.4	530	POTENTIAL TRANSFORMERS	20-Sep-93
PAD94C02413	CAS-16654	41103	7.4	484	POTENTIAL TRANSFORMERS	20-Sep-93
PAD94C02354	CAS-16655	41103	7.4	472	POTENTIAL TRANSFORMERS	21-Sep-93
PAD94C02383	CAS-16656	41103	7.4	428	POTENTIAL TRANSFORMERS	21-Sep-93
PAD94C02384	CAS-16657	41103	7.4	480	POTENTIAL TRANSFORMERS	25-Sep-93
PAD94C02702	CAS-16658	41103	7.4	220	POTENTIAL TRANSFORMERS	25-Sep-93
PAD94C02562	CAS-16659	31798	7.4	589	POTENTIAL TRANSFORMERS	25-Sep-93
PAD94C02883	CAS-16660	31798	7.4	508	POTENTIAL TRANSFORMERS	25-Sep-93
PAD94C02561	CAS-16661	31798	7.4	505	POTENTIAL TRANSFORMERS	25-Sep-93
PAD94C02504	CAS-16662	31798	7.4	507	POTENTIAL TRANSFORMERS	25-Sep-93
PAD94C02560	CAS-16663	31798	7.4	508	POTENTIAL TRANSFORMERS	25-Sep-93
PAD94C02896	CAS-16664	31798	7.4	507	POTENTIAL TRANSFORMERS	28-Sep-93
PAD94C02884	CAS-16665	31798	7.4	510	POTENTIAL TRANSFORMERS	28-Sep-93
PAD94C02703	CAS-16666	31798	7.4	508	POTENTIAL TRANSFORMERS	28-Sep-93
PAD94C02895	CAS-16667	31798	7.4	511	POTENTIAL TRANSFORMERS	30-Sep-93
PAD94C02502	CAS-16668	31798	7.4	454	POTENTIAL TRANSFORMERS	30-Sep-93
PAD94C02885	CAS-16669	31798	7.4	506	POTENTIAL TRANSFORMERS	07-Oct-93
PAD94C02886	CAS-16670	31798	7.4	504	POTENTIAL TRANSFORMERS	07-Oct-93
PAD94C02897	CAS-16671	31798	7.4	507	POTENTIAL TRANSFORMERS	07-Oct-93
PAD94C02898	CAS-16672	31798	7.4	228	POTENTIAL TRANSFORMERS	07-Oct-93
PAD94C00091	CAS-17069	40093	7.4	276	POTENTIAL TRANSFORMERS	15-Nov-93
PAD94C32621	CAS-17508	41640	7.4	414	SMALL TRANSFORMERS	03-Oct-94
PAD94C32622	CAS-17510	41643	7.4	345	SMALL TRANSFORMERS	04-Oct-94
PAD95C00126	CAS-17666	45033	7.4	162	TRANSFORMERS	28-Sep-94

UHWM# 001754724JJK

Facility Owner/Operator signed driver's copy of manifest which does not contain driver's signature.

(X) copy

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754724 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 18752 MBq, Fissile Excepted	1	CM	4514	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Trailer: 4842 Truck: 361 PCB Start Date: 02/01/90
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info Shipment ID: 6202-15-0123

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of USDOE — Signature: LaChelle Telfair — Month 05 Day 01 Year 09

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name — Signature — Month Day Year
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

RECEIVED
MAY 08 2009
BY: TS

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Albert Evans — Signature: Albert Evans — Month 05 Day 14 Year 09

Please print or type. (Form designed for use on elite (12-pit. ,pewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008962	3	1-270-441-6211	001754724 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 18752 MBq, Fissile Excepted	1	CM	4514	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Trailer: 4842 Truck: 361
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 02/01/90
If undeliverable, return to generator
Shipment ID: 6202-15-0123

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of USDOE — Signature: [signature] — Month: 05 Day: 01 Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Donald Monday — Signature: [signature] — Month: 5 Day: 1 Year: 09

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

RECEIVED MAY 1 0 2009 BY:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Albert Evans — Signature: Albert Evans — Month: 5 Day: 4 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754724JJK

Shipment ID Number: 6202-15-0123

Shipment Date: 5/1/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	TIDs
117042-01	SESU203525-5	PCB Contaminated Floorsweep, and Absorbent	02/01/90	658.5	19760	8962.94	18752.12	0010420 and 0010423
Totals				**658.5**	**19760**	**8962.94**	**18752.12**	

See attached Drum List for specific information for each drum loaded into the bulk container.

Drum List Attachment, Page 3 of 3

Manifest Number: 001754724JJK
Shipment ID Number: 6202-15-0123
Shipment Date: 5/1/2009
Bulk Container ID Number: SESU203525-5

Barcode	WasteID	RFD	Net Vol	Gross Wt	Description	Origin Date	PCB Date
PAD94C22982	CAS-09849	10998	7.4	259	FLOOR SWEEP	4/22/2009	2/1/1990
PAD94C22880	CAS-09856	10998	7.4	246	FLOOR SWEEP	4/22/2009	2/1/1990
PAD94C22838	CAS-09857	10998	7.4	241	FLOOR SWEEP	4/22/2009	2/1/1990
PAD94C22917	CAS-09860	10998	7.4	233	FLOOR SWEEP	4/22/2009	2/1/1990
PAD94C02566	CAS-14130	13890	7.4	268	FLOOR SWEEP	4/22/2009	6/10/1991
PAD94C02902	CAS-14171	13890	7.4	452	FLOOR SWEEP	4/22/2009	6/10/1991
PAD94C02518	CAS-14190	13890	7.4	250	FLOOR SWEEP	4/22/2009	6/10/1991
PAD94C26975	CAS-15296	16650	11.4	400	FLOOR SWEEP	4/22/2009	2/14/1990
	W08316		110	2800	COLLYER 1" 250 MCR TIGER		
	W0815		110	2800	SPLICE BOXES AND MISC. METAL (1"		
	W08229		108.42	715	WOOD PALLETS (13)		
	W08470		266.88	1760	WOOD PALLETS (32)		

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	2	1-270-441-6211	001754726 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Np-237, Tc-99, Th-230, U-Dep, Solid/Oxide, 689 MBq	8	DM	395	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck:960 Trailer: U39126 TID: 0552136 PCB Start Date: 12/06/90
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info Shipment ID: 6202-15-0125

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of DOE — Signature: LaChelle Telfair on behalf of DOE — Month 05 Day 08 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Marsha McClain — Signature: Marsha McClain — Month 05 Day 08 Year 09
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

RECEIVED MAY 20 2009 BY:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H179 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Albert Evans — Signature: Albert Evans — Month 5 Day 11 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754726JJK

Shipment ID Number: 6202-15-0125

Shipment Date: 5/8/2009

RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
48723	48723-01	PAD97C00348	PPE/HOSE/ABSORBENTS/FILTERS	7/22/97	7.4	165	74.84	86.32
54081	54081-01	PAD97C01345	WOOD/PLASTIC/PADS/HYPALON	7/21/97	7.4	127	57.61	56.23
44547	7414	PAD95C00012	FLOORSWEEP/RUST	7/19/96	7.4	239	108.41	144.92
8831	CAS-11301	PAD94C01036	ZORBALL AND RAGS	12/6/90	7.4	162	73.48	83.94
13890	CAS-14148	PAD94C02507	FLOOR SWEEP	6/10/91	7.4	102	46.27	36.43
14902	CAS-14269	PAD94C00379	TRASH/ABSORBENT PADS	6/17/91	7.4	232	105.23	139.38
14976	CAS-14486	PAD94C02447	RAGS/TYVEK/SHOE COVERS/PADS/PLAS	7/18/91	7.4	113	51.26	45.14
27135	CASX-17513	PAD94C32626	PPE/RAGS/GLOVES/ABSORBENTS	7/27/04	7.4	178	80.74	96.61
	Totals	**8**			**59.20**	**1318**	**597.83**	**688.97**

X

Copy

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number KY 8890008982	2. Page 1 of 2	3. Emergency Response Phone 1-270-441-6211	4. Manifest Tracking Number 001754727 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Np-237, Tc-99, Th-230, U-234, U-235, U-238, U-Dep, Solid/Oxide, 776 MBq, Fissile Excepted	1	CM	477	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 343 Trailer: 4841
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 03/06/97
If undeliverable, return to generator
Shipment ID: 6202-15-0124

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE — Signature: Carrie Maxie — Month 05 Day 05 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: [signature] — Signature: [signature] — Month 05 Day 05 Year 09
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

RECEIVED MAY 18 2009 BY: [initials]

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Albert Evans — Signature: Albert Evans — Month 5 Day 8 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754727JJK

Shipment ID Number: 6202-15-0124

Shipment Date: 5/5/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	TIDs
51908-01	PAD95C02663	PADS / RAGS / GLOVES / ZORBALL / TRASH	03/06/97	90	1852	840.05	775.58	0027369 & 0027368
Totals	**1**			**90**	**1852**	**840.05**	**775.58**	

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754728 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Paducah & Louisville Railway, Inc — U.S. EPA ID Number: KYD000735845

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 3743 MBq, Fissile Excepted	1	CM	2472	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Railcar: GBRX20675
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 06/07/85
If undeliverable, return to generator
Shipment ID: 6202-15-0126

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Teresa Setser on behalf of DOE — Signature: on behalf of DOE — Month 05 Day 08 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Teresa Setser on behalf of P&L — Signature: on behalf of P&L — Month 05 Day 08 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED
MAY 27 2009
BY:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Justin Lee — Signature — Month 5 Day 22 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754728JJK

Shipment ID Number: 6202-15-0126

Shipment Date: 5/8/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
120108-10	HCIU280652-7	PCB Contaminated Absorbants and Floor Sweeps	06/07/85	430.21	16280	7384.45	3743.01
Totals				**430.21**	**16280**	**7384.45**	**3743.01**

See attached Drum List for specific information for each drum loaded into the bulk container.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754729 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone — U.S. EPA ID Number: UTD982598898

9a HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 3170 MBq, Fissile Excepted	1	CM	544	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 333 Trailer: 4842 TID: See Attachment — PCB Start Date: 12/01/97
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 — If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info — Shipment ID: 6202-15-0127

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of DOE — Signature: LaChelle Telfair — Month: 5 Day: 26 Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. — Port of entry/exit:
Transporter signature (for exports only): — Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JAMES LEE PAYNE — Signature: James Lee Payne — Month: 5 Day: 26 Year: 09

Transporter 2 Printed/Typed Name — Signature — Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone

RECEIVED
JUN 01 2009
BY: TB

18c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Justin Lee — Signature: Justin Lee — Month: 5 Day: 29 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754729JJK

Shipment ID Number: 6202-15-0127

Shipment Date: 5/26/2009

UHWM Section	RFD	Container / WASTE ID	Barcode	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	TIDs
9b.1	51907	51907-01	PAD95C00587	RAGS/PLASTIC/LINERS/MISC. TRASH	12/01/97	90	2000	907.18	3170.148	0027510/E242167

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754730 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Paducah & Louisville Railway, Inc — U.S. EPA ID Number: KYD000735845

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Environmentally hazardous substances, solid, n.o.s., 9, UN3077, PG-III, (PCB)	1	CM	2566	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 171, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 5/9/1988
If undeliverable, return to generator
Shipment ID: 6202-14-0003

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Teresa Setser for DOE — Signature: [signature] — Month/Day/Year: 05/22/09

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Teresa Setser for P+L — Signature: [signature] — Month/Day/Year: 05/22/09

Transporter 2 Printed/Typed Name — Signature — Month/Day/Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number: U.S. EPA ID Number:

RECEIVED JUN 11 2009 BY: JS

18b. Alternate Facility (or Generator)
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month/Day/Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Albert Evans — Signature: [signature] — Month/Day/Year: 6/09/09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754730JJK
Shipment ID Number: 6202-14-0003
Shipment Date: 5/22/2009

RFD	Container / WASTE ID	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq	TID #1
109654	109654-01	Wood Pallets, Plywood, and Cleanup Debris	05/09/88	473	14480	6567.98	3.308	0023645
Totals	**1**			**473**	**14480**	**6567.9832**	**3.308**	

Drum List Attachment, Page 3 of 3
Manifest Number: 001754730JJK
Shipment ID Number: 6202-14-0003
Shipment Date: 5/22/2009
Bulk Container ID Number: TTSU202946-3

Barcode	RFD	WasteID	Qty/Vol	Curr Wt	Description	PCB Date
PAD98C03579	102532	102532-01	7.4	111	WOOD -COLLECTION	5/10/88
PAD03C01364	106777	106777-01	11.4	94	MISCELLANEOUS PCB CONTAMINATED WOOD. GENERATED FROM SPILL CLEAN UP ACTIVITIES.	7/16/03
PAD94C22799	39104	CAS-16681	7.4	158	PLASTIC/PALLETS (PCB SPILL)	12/2/93
PAD94C02611	16631	CAS-14596	7.4	189	PCB SPILL CLEANUP - WOOD/PLASTIC	9/26/91
PAD95C00135	41621	CAS-17692	7.4	141	WOOD PIECES	11/22/94
PAD94C22979	8415	CAS-09737	7.4	125	OIL CONTAMINATED WOOD	8/16/89
PAD01C02977	16395	CAS-15335	11.4	296	PALLETS	5/18/92
PAD01C03001	18487	CAS-15225	11.4	318	PLYWOOD	4/15/92
PAD01C03336	18483	CAS-15064	11.4	209	WOOD/PLASTIC/PPE	3/3/92
PAD01C02771	31676	CAS-15946	11.4	257	PALLETS/PLASTIC	10/14/92
PAD01C03337	23589	CAS-14959	11.4	267	PALLETS	2/28/92
PAD01C03338	23589	CAS-14958	11.4	284	PALLETS	2/28/92
PAD01C03339	23589	CAS-14957	11.4	148	PALLETS	2/28/92
PAD94C00950	15608	CAS-10280	7.4	150	WOOD	6/22/90
PAD94C02880	34722	CAS-16608	7.4	163	PALLETS	10/22/93
PAD94C22133	31679	CAS-15949	7.4	166	WOOD PALLETS FROM SPILLS	3/25/93
PAD94C22219	36764	CAS-17034	7.4	100	PLYWOOD/PLASTIC	2/25/94
PAD94C22802	39141	CAS-17036	7.4	83	PLYWOOD FROM STORAGE DIKES	3/1/94
PAD94C22803	36764	CAS-17033	7.4	156	PLYWOOD/PLASTIC	2/25/94
PAD94C25917	6278	CAS-06190	7.4	154	WOOD PALLET	5/17/88
PAD95C00040	46048	CAS-18097	7.4	134	WOOD/PLASTIC	9/14/95
PAD95C00759	45991	CAS-18025	7.4	112	WOOD/PLASTIC	5/4/95
PAD94C02881	34722	CAS-16605	7.4	167	PALLETS	10/22/93
PAD94C02882	34722	CAS-16604	7.4	180	PALLETS	10/22/93
PAD94C02893	34722	CAS-16606	7.4	169	PALLETS	10/22/93
PAD94C02894	34722	CAS-16607	7.4	162	PALLETS	10/22/93
PAD94C22217	36764	CAS-17030	7.4	194	PLYWOOD FROM STORAGE DIKES	2/25/94
PAD94C22218	36764	CAS-17031	7.4	161	PLYWOOD FROM STORAGE DIKES	2/25/94
PAD94C22231	38162	CAS-16013	7.4	176	WOODEN PALLET FROM SPILL CLEANUP	5/10/93
PAD94C22804	36764	CAS-17029	7.4	130	PLYWOOD FROM STORAGE DIKES	2/25/94
PAD94C22805	36764	CAS-17032	7.4	163	PLYWOOD/PLASTIC	2/25/94
PAD94C22819	41367	CAS-16674	7.4	211	PALLETS (FROM SPILL)	11/22/93
PAD95C00136	41621	CAS-17693	7.4	119	WOOD PIECES	11/22/94
PAD94C02370	18481	CAS-15053	7.4	143	WOOD	11/5/91
PAD95C01494	51369	51369-01	7.4	146	PALLET	9/27/95
PAD95C01495	51371	51371-01	7.4	64	PLASTIC/WOOD SHAVINGS	9/27/95
PAD96C00342	51349	51349-01	7.4	140	WOODEN PALLET/PLYWOOD	7/12/96
PAD98C02723	61972	61972-01	7.4	73	WOOD SCRAP	5/9/88
PAD01C02400	104350	104350-01	7.4	110	CUT UP WOODEN PALLETS FROM SPILL OF RFD 11094 (CAS-14967) 5/9/01.	5/10/01
PAD97C00779	55657	55657-01	7.4	73	CUT-UP WOODEN PALLET	10/13/97
PAD99C01177	101467	101467-01	7.4	107	WOOD/PPE FROM PUMP WAGON	12/16/99
PAD94C02369	18481	CAS-15054	7.4	79	WOOD/PPE	11/5/91
PAD95C02740	55765	55765-02	7.4	125	PLYWOOD	7/21/97
PAD95C09648	53989	53989-01	7.4	152	WOODEN PALLETS	3/8/96
PAD95C10778	53219	53219-01	7.4	99	WOOD/PPE/PLASTIC	10/22/96
PAD97C03668	55778	55778-01	7.4	78	WOOD-CUT UP PALLET	11/11/97
PAD01C02734	103893	103893-01	7.4	133	WOOD PALLET FROM PCB SPILL CLEANUP OF CAS-14965 (PCB-692).	6/4/01
PAD04C04844	107134	107134-01	7.4	103	SPILL CLEANUP DEBRIS; PPE, RAGS, WOOD PALLETS, PLASTIC FROM LEAKING DRUMS CAS-12855, CAS-12850.	7/12/04
PAD95C01648	53982	53982-01	7.4	154	WOOD PALLET	2/6/96
PAD95C01889	51359	51359-01	7.4	118	WOOD/PLASTIC/PPE	11/22/95
PAD95C02739	55765	55765-01	7.4	151	PLYWOOD	7/21/97
PAD95C09649	53990	53990-01	7.4	101	WOOD PALLETS/PLASTIC	3/8/96
PAD97C01336	48718	48718-01	7.4	134	WOOD/PALCO (WET)	6/11/97
PAD98C02364	102262	102262-01	7.4	60	PCB WOOD	7/29/98
PAD99C00120	101463	101463-01	7.4	75	2 PALLETS CONTAMINATED W/74 PPM PCB ON M-6 TRANS JOB. WRAPPED IN BLACK PLASTIC W/PCB LABEL	6/14/99
PAD01C02693	17735	CAS-15564	11.4	251	WOOD PALLET/PLASTIC	9/16/92
PAD01C02700	18496	CAS-15232	11.4	284	WOODEN PALLETS	4/28/92
PAD01C02766	18496	CAS-15231	11.4	298	WOODEN PALLETS	4/28/92

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number: KY 8890008982	2. Page 1 of: 2	3. Emergency Response Phone: 1-270-441-6211	4. Manifest Tracking Number: 001754732 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
1-270-441-5000
Generator's Phone:

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc.
U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone:
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers: No.	10. Containers: Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Environmentally hazardous substances, solid, n.o.s., 9, UN3077,PG-III, (PCB)	3	CM	1518	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 333 Trailer: 4842 TID: See Attachment
ERG # 171 In the event of an RQ Release, call 1-800-424-8802
See PCB Attachment for Additional Info

PCB Start Date: 06/17/83
If undeliverable, return to generator
Shipment ID: 6202-14-0004

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgement of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChalk Telfair on behalf of DOE
Signature: LaChalk Telfair
Month: 05 Day: 26 Year: 09

INT'L

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgement of Receipt of Materials

Transporter 1 Printed/Typed Name: JAMES LEE PAYNE
Signature: James Lee Payne
Month: 5 Day: 26 Year: 09

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

RECEIVED
JUN 01 2009
BY: TS

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.
H129		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Justin Lee
Signature: Justin Lee
Month: 5 Day: 29 Year: 09

EPA Form 8700-22 (Rev. 3-05). Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB & Additional Information Attachment, Page 2 of 2

Manifest Number: 001754732JJK

Shipment ID Number: 6202-14-0004

Shipment Date: 5/26/2009

Container / WASTE ID	Barcode Number	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	PCB Date to Storage	TIDs
CAS-17121	PAD94C28441	96	2500	1133.98	0.994	13-Apr-94	0027513/0027514
54014-01	PAD96C00280	96	2000	907.18	0.702	29-Aug-96	0027517/0027518
118025-01	PAD07C03365	90	1247	565.63	0.261	17-Jun-83	0027505/0027512
Totals	3	282	5747	2606.78173	1.956893447		

RT Copy

29,180 lbs

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754734 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB, F002), Am-241, Np-237, Pu-239, Ra-226, Th-230, Solid/Oxide, 33953 MBq, Fissile Excepted	2	CM	6597	K	F002
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 343 Trailer: 4816 TID: See Attachment Accumulation Start Date: 07/06/06 PCB Date to Storage: 07/06/06
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info Shipment ID: 6202-03-0027

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE | Signature: Carrie Maxie | Month 06 Day 02 Year 09

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: David Futrell | Signature: David Futrell | Month 06 Day 02 Year 09

Transporter 2 Printed/Typed Name | Signature | Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

RECEIVED JUN 08 2009 BY:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Albert Evans | Signature: Albert Evans | Month 06 Day 15 Year 09

Additional Information Attachment, Page 2 of 3

Manifest Number: 001754734JJK

Shipment ID Number: 6202-03-0027

Shipment Date: 6/2/2009

UHWM Section	Container ID	WASTE ID	Description	PCB Date to Storage	RCRA Accumulation Start Date	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	TIDs
Page 1 - 9b.1	JINU801211-2	108232-01	Hydrolized UF6 & Absorbent/Floorsweep Drums	7/6/2006	7/6/2006	152	14920	6767.56	16767.714	0027521
Page 1 - 9b.1	NONU101756-6	108232-02	Hydrolized UF6 & Absorbent/Floorsweep Drums	7/6/2006	7/6/2006	152	14260	6468.19	17185.401	0027522
TOTALS	2					304	29180	13235.76	33953.11	

See attached Drum List for specific information for each B-25/Drum loaded into the bulk container.

Drum List Attachment, Page 3 of 3

Manifest Number: 001754734JJK

Shipment ID Number: 6202-03-0027

Shipment Date: 6/2/2009

Bulk Package ID: JINU801211-2

RFD	WID	Container Barcode #	Description	Net Weight (lbs)	DTS	AD	EPA Codes
108753	108753-01	PAD03C01359	TREATED UF6 AND HIGH RAD SOLIDS. WASTE ORIGINALLY SENT TO WCS. TREATED AND RETURNED TO WESKEM.	6340	NA	NA	Previously D007, Treated at WCS to meet 40 CFR 268.48
115563	115563-16	PAD06C01283	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	116	7/6/2006	7/6/2006	F002
115563	115563-13	PAD06C01272	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	224	7/6/2006	7/6/2006	F002
115563	115563-19	PAD06C01280	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	170	7/6/2006	7/6/2006	F002
115563	115563-24	PAD06C01262	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	170	7/6/2006	7/6/2006	F002
115563	115563-18	PAD06C01278	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	152	7/6/2006	7/6/2006	F002
115572	115572-02	PAD06C01292	CONTAMINATED TRASH - FLAGGING, FLOORSWEEP, HOSE, CONCRETE, GLOVES,	125	7/19/2006	7/19/2006	F002
115571	115571-01	PAD06C01289	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	124	7/19/2006	7/19/2006	F002

Bulk Package ID: NONU101756-6

RFD	WID	Container Barcode #	Description	Net Weight (lbs)	DTS	AD	EPA Codes
108753	108753-03	PAD03C01361	TREATED UF6 AND HIGH RAD SOLIDS. WASTE ORIGINALLY SENT TO WCS. TREATED AND RETURNED TO WESKEM.	6680	NA	NA	Previously D007, Treated at WCS to meet 40 CFR 268.48
115571	115571-08	PAD06C01293	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	70	7/19/2006	7/19/2006	F002
115571	115571-09	PAD06C01294	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	70	7/19/2006	7/19/2006	F002
115571	115571-02	PAD06C01290	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	69	7/19/2006	7/19/2006	F002
115563	115563-21	PAD06C01261	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	68	7/6/2006	7/6/2006	F002
115563	115563-03	PAD06C01264	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	66	7/6/2006	7/6/2006	F002
115563	115563-22	PAD06C01263	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	50	7/6/2006	7/6/2006	F002
115563	115563-14	PAD06C01284	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	50	7/6/2006	7/6/2006	F002

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 001754734JJK

Profile No.: ~~6202-03~~ ~~9806-08~~ 9306-07 State Manifest No.:

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE. DESCRIPTION	NONE	5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
1	F002	All inner containers except for 108753-01 and 108753-03	☒	D
2	D007	Inner containers 108753-01 and 108753-03	☒	D
3			☐	
4			☐	

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Kevin L. Collins Title Waste Characterization Specialist Date 6/1/09

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: D001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	**1,1,1-Trichloroethane (F001, F002)**	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

LAND DI[S]OSAL NOTIFICATION AND CERTIF[I]ATION FORM

(PHASE IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 001754734JJK

Profile No.: ~~6202-03~~ ~~9306-08~~ 9306-07 State Manifest No.:

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
5			☐	
6			☐	
7			☐	
8			☐	
9			☐	
10			☐	
11			☐	
12			☐	
13			☐	
14			☐	
15			☐	
16			☐	
17			☐	
18			☐	
19			☐	
20			☐	
21			☐	
22			☐	
23			☐	
24			☐	
25			☐	
26			☐	
27			☐	
28			☐	
29			☐	
30			☐	
31			☐	
32			☐	
33			☐	
34			☐	
35			☐	

NA NSA 6/1/09

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature_____

Title **Waste Characterization Specialist** Date_____

LAND DISPOSAL N TIFICATION AND CERTIFICATION F RM (PHASE IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 001754734JJK

Profile No.: ~~6202-03~~ ~~9306-08~~ 9306-07 State Manifest No.:

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE. DESCRIPTION	NONE	5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
36			☐	
37			☐	
38			☐	
39			☐	
40			☐	
41			☐	
42			☐	
43			☐	
44			☐	
45			☐	
46			☐	
47			☐	
48		NA	☐	
49			☐	
50			☐	
51		DSA	☐	
52		6/1/09	☐	
53			☐	
54			☐	
55			☐	
56			☐	
57			☐	
58			☐	
59			☐	
60			☐	
61			☐	
62			☐	
63			☐	
64			☐	
65			☐	

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature_____

Title Waste Characterization Specialist Date_____

F039/UNDERL NG HAZARDOUS CONSTITUENT FO M (UTS) (Phase IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 001754734JJK

Profile No.: ~~6202-03~~ 9306-08 9306-07 State Manifest No.:

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol		0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol		0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol		0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)		0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol		0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony	D	1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic	D	1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium	D	1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium	D	0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium	D	0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)	D	2.77	0.60 mg/l TCLP[4]
Trichloroethylene		0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol		0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead	D	0.69	0.75 mg/l[4]
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)	D	0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel	D	3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver	D	0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium	D	1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

Drum List Attachment, Page 3 of 3

Manifest Number: 001754728JJK

Shipment ID Number: 6202-15-0126

Shipment Date: 5/8/2009

Bulk Container ID Number: HCIU280652-7

Barcode	RED	WasteID	Curr_Vol	Curr_Wt	Description	PCB_Date
PAD99C00302	101455	101455-01	7.4	56	SOLID WASTE >50 PPM PCB OILY RAGS/PIGS/PADS/ETC.	05-Jan-99
PAD01C03681	103658	103658-01	7.4	95	PCB SPILL CLEANUP SOLID DEBRIS, PPE, PLASTIC, RAGS , SCRUB PADS.	01-Aug-01
PAD01C02066	103953	103953-01	7.4	137	>50PPM PCB SOLID WASTE: OILY RAGS, PIGS, PADS, ETC.	03-Feb-00
PAD03C01553	106368	106368-01	11.4	130	EMPTY DRUM USED FOR SORTING/ SIFTING PCB RAD CONTAMINATED ZORBALL AND FLOOR SWEEPINGS IN 280M3 PROJECT. INTERIOR IS HOT AND DRUM HAS BECOME DEFORMED SO THAT IS IS NO LONGER USABLE	28-Jul-03
PAD06C00646	106748	106748-01	7.4	140	PCB SOLIDSD	27-Jun-05
PAD07C04007	107153	107153-01	7.4	52	MISC WASTE FROM PCB TROUGHING ACTIVITIES - PVC PIPE, PPE, PLASTIC, PADS, RAGS	29-Aug-07
PAD07C04006	107153	107153-02	7.4	79	MISC WASTE FROM PCB TROUGHING ACTIVITIES - PVC PIPE, PPE, PLASTIC, PADS, RAGS	09-Oct-07
PAD07C04005	107153	107153-03	7.4	102	MISC WASTE FROM PCB TROUGHING ACTIVITIES - PVC PIPE, PPE, PLASTIC, PADS, RAGS	08-Nov-07
PAD03C03086	107534	107534-01	7.4	108	PCB SPILL CLEANUP DEBRIS; PPE, RAGS, PLASTIC, PADS, SCRUB PADS.	26-Nov-03
PAD04C04941	107536	107536-01	7.4	108	PCB SPILL CLEANUP DEBRIS; PPE, RAGS, PLASTIC, PADS, SCRUB PADS	09-Feb-04
PAD04C04942	107538	107538-01	7.4	118	PCB SPILL CLEANUP DEBRIS; PPE, RAGS, PLASTIC, PADS, SCRUB PADS.	09-Mar-04
PAD04C04940	107539	107539-01	7.4	118	PCB SPILL CLEANUP DEBRIS: PPE, RAGS, PLASTIC, PADS, SCRUB PADS	11-May-04
PAD06C00870	108885	108885-01	7.4	101	PCB SPILL CLEANUP SOLIDS - PPE, PLASTIC, RAGS, PADS	06-Apr-06
PAD06C01215	108886	108886-01	7.4	91	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	12-Jul-06
PAD06C01798	108888	108888-01	7.4	97	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	18-Sep-06
PAD06C02301	108888	108888-02	7.4	110	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	19-Dec-06
PAD07C03174	108888	108888-03	7.4	111	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	29-Mar-07
PAD07C03168	108888	108888-05	7.4	114	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	12-Jul-07
PAD07C03396	108888	108888-06	7.4	112	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	05-Nov-07
PAD06C06023	108989	108989-01	7.4	107	PCB SOLIDS FROM SPILL CLEANUP.	23-Nov-07
PAD06C01680	116601	116601-01	0.67	37	MISC PCB METAL, PADS, RAGS, PLASTIC, PPE	10-Jan-06
PAD05C06935	120013	120013-01	7.4	118	PCB SPILL CLEANUP DEBRIS; PPE, RAGS, PADS	21-Jul-05
PAD07C03277	120770	120770-01	7.4	317	PAINT CHIPS AND FLOORSWEEP	24-Sep-07
PAD07C03258	120770	120770-02	7.4	315	PAINT CHIPS AND FLOORSWEEP	24-Sep-07
PAD95C01624	41888	41888-01	7.4	67	PADS/PPE; PCB SOLIDS	20-Oct-95
PAD97C01815	50208	50208-01	0.67	32	ZORBALL, SAND	03-Feb-97
PAD95C02653	51912	51912-01	7.4	361	CLAY ABSORBENT	10-Sep-96
PAD95C02654	51912	51912-02	7.4	337	CLAY ABSORBENT	17-Sep-96
PAD95C09391	53991	53991-01	7.4	80	PIG PADS/PLASTIC/PPE	08-Mar-96
PAD97C01392	55771	55771-02	0.67	11	RAGS/PADS	26-Sep-97
PAD94C25955	92051	CAS-02550	7.4	200	FLOORSWEEP, RAGS FROM PCB CLEANUP	07-Jun-85
PAD94C00556	6739	CAS-03691	7.4	281	RAGS, PIGS, CONCRETE/PIGS PER ES	27-Mar-91
PAD94C25916	4572	CAS-03775	7.4	100	RAGS/BUCKETS/GLASS BOTTLES/PPE/PAPER/GLOVES/SCRUB BRUSHES/TUBBING/DRYED SILICON/ZORBALL/CONCRETE DUST	21-Apr-88
PAD04C04288	6619	CAS-08318	11.4	336	FLOORSWEEP	18-Oct-88
PAD94C25505	6619	CAS-08319	7.4	287	ZORBALL	18-Oct-88
PAD98C03568	11503	CAS-09704	11.4	253	FLOORSWEEP	02-Feb-90
PAD94C01089	14862	CAS-12918	7.4	78	PADS/RAGS	02-Apr-91
PAD94C00917	14862	CAS-12930	7.4	74	PADS/RAGS	02-Apr-91
PAD94C02459	13239	CAS-12953	7.4	285	PADS/PILLOWS/PIGS	27-Mar-91
PAD94C02973	17381	CAS-14036	7.4	88	ABSORBENTS/RAGS/PLASTIC/TYVEKS	14-May-91
PAD94C02556	13890	CAS-14147	7.4	216	FLOOR SWEEP	10-Jun-91
PAD94C03086	14902	CAS-14270	11.4	394	TRASH/ABSORBENT PADS	17-Jun-91
PAD94C03110	14902	CAS-14271	11.4	301	TRASH/ABSORBENT PADS	17-Jun-91
PAD94C03443	27005	CAS-14897	7.4	90	RAGS/ABSORBENTS/PPE	24-Jan-92
PAD94C03600	24112	CAS-15170	7.4	131	ABSORBENT MATERIAL/RAGS	19-Sep-91
PAD94C02356	18307	CAS-15199	7.4	310	OILY RAGS/ZORBALL	10-May-91
PAD01C02749	17726	CAS-15334	11.4	287	PPE/ABSORBENT/PLASTIC/GLASS/WOOD	15-Apr-92
PAD01C03146	8686	CAS-15402	11.4	241	PADS (SPILL PCB-291)	09-May-92
PAD01C03159	18315	CAS-15442	11.4	285	PAPER/ZORBALL/FLAGGING/RAG/METAL	08-Jul-92
PAD01C03118	27008	CAS-15738	11.4	181	OILY RAGS/ABSORBENTS	24-Apr-92
PAD94C03712	31689	CAS-16010	7.4	134	ZORBALL & ZORBALL BAGS	16-Mar-93
PAD94C02830	35000	CAS-16297	7.4	157	ABSORBENT PADS	06-Jun-93
PAD94C03626	34715	CAS-16555	7.4	121	PPE/RAGS/ABSORBENTS/PLASTIC	07-Sep-93
PAD95C01022	45980	CAS-17773	7.4	135	PPE/ABSORBENTS	31-Jan-95
PAD95C01536	50326	CAS-18100	7.4	225	OILY RAGS/SCRUB PADS	14-Mar-95
PAD95C01531	50331	CAS-18103	7.4	196	OILY RAGS	08-Feb-95

PT 29,600 lbs. Copy

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754737 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone: — U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB, F002), Am-241, Np-237, Pu-239, Ra-226, Th-230, Solid/Oxide, 34019 MBq, Fissile Excepted	2	CM	6074	K	F002
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 333 Trailer: 4802 TID: See Attachment Accumulation Start Date: 07/06/06 PCB Date to Storage: 07/06/06
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info Shipment ID: 6202-03-0028

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Marie on Behalf of USDOE — Signature: Carrie Marie — Month 06 Day 02 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month Day Year

Transporter 2 Printed/Typed Name: James Lee Payne — Signature: James Lee Payne — Month 6 Day 2 Year 09

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED JUN 08 2009

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Albert Evans — Signature: Albert Evans — Month 6 Day 5 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Additional Information Attachment, Page 2 of 3

Manifest Number: 001754737JJK
Shipment ID Number: 6202-03-0028
Shipment Date: 6/2/2009

UHWM Section	Container ID	WASTE ID	Description	PCB Date to Storage	RCRA Accumulation Start Date	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	TIDs
Page 1 - 9b.1	DDDU341855-2	108232-03	Hydrolized UF6 & Absorbent/Floorsweep Drums	7/6/2006	7/6/2006	208	14880	6749.42	17427.025	0027521
Page 1 - 9b.1	TRIU391806-0	108232-04	Hydrolized UF6 & Absorbent/Floorsweep Drums	7/6/2006	7/6/2006	189	14720	6676.84	16591.745	0027522
TOTALS	2					397	29600	13426.26	34018.77	

See attached Drum List for specific information for each B-25/Drum loaded into the bulk container.

Drum List Attachment, Page 3 of 3

Manifest Number: 001754737JJK

Shipment ID Number: 6202-03-0028

Shipment Date: 6/2/2009

Bulk Package ID: DDDU341855-2

RFD	WID	Container Barcode #	Description	Net Weight (lbs)	DTS	AD	EPA Codes
108753	108753-04	PAD03C01362	TREATED UF6 AND HIGH RAD SOLIDS. WASTE ORIGINALLY SENT TO WCS, TREATED AND RETURNED TO WESKEM.	5160	NA	NA	Previously D007, Treated at WCS to meet 40 CFR 268.48
103135	103135-01	PAD99C00767	TREATABILITY STUDY (UF6) WASTE IN CONCRETE. PREVIOUSLY D007, NOW TREATED, MEETS LDR	410	NA	NA	Previously D007, Treated at IT to meet 40 CFR 268.48
115563	115563-04	PAD06C01279	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	101	7/6/2006	7/6/2006	F002
115563	115563-05	PAD06C01273	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	101	7/6/2006	7/6/2006	F002
115572	115572-01	PAD06C01288	CONTAMINATED TRASH - FLAGGING, FLOORSWEEP, HOSE, CONCRETE, GLOVES,	96	7/19/2006	7/19/2006	F002
115563	115563-06	PAD06C01203	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	60	7/6/2006	7/6/2006	F002
115563	115563-08	PAD06C01274	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	16	7/6/2006	7/6/2006	F002
115563	115563-01	PAD06C01277	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	32	7/6/2006	7/6/2006	F002
115562	115562-01	PAD06C01260	PANS, PADS, PILLOWS	63	7/6/2006	7/6/2006	F002
115571	115571-06	PAD06C01298	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	51	7/19/2006	7/19/2006	F002
115563	115563-15	PAD06C01281	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	63	7/6/2006	7/6/2006	F002
115563	115563-12	PAD06C01270	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	52	7/6/2006	7/6/2006	F002
115563	115563-23	PAD06C01266	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	61	7/6/2006	7/6/2006	F002
115563	115563-02	PAD06C01282	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	47	7/6/2006	7/6/2006	F002

Bulk Package ID: TRIU391806-0

RFD	WID	Container Barcode #	Description	Net Weight (lbs)	DTS	AD	EPA Codes
108753	108753-02	PAD03C01360	TREATED UF6 AND HIGH RAD SOLIDS. WASTE ORIGINALLY SENT TO WCS, TREATED AND RETURNED TO WESKEM.	6380	NA	NA	Previously D007, Treated at WCS to meet 40 CFR 268.48
115563	115563-25	PAD06C01265	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	91	7/6/2006	7/6/2006	F002
115563	115563-11	PAD06C01276	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	77	7/6/2006	7/6/2006	F002
115563	115563-09	PAD06C01269	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	74	7/6/2006	7/6/2006	F002
115563	115563-10	PAD06C01285	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	43	7/6/2006	7/6/2006	F002
115563	115563-20	PAD06C01267	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	44	7/6/2006	7/6/2006	F002
115563	115563-17	PAD06C01271	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	44	7/6/2006	7/6/2006	F002
115571	115571-10	PAD06C01291	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	60	7/19/2006	7/19/2006	F002
115571	115571-03	PAD06C01287	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	59	7/19/2006	7/19/2006	F002
115571	115571-04	PAD06C01295	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	58	7/19/2006	7/19/2006	F002
115571	115571-07	PAD06C01296	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	54	7/19/2006	7/19/2006	F002
115563	115563-07	PAD06C01268	ABSORBENTS (PADS, PILLOWS, PANS), PLASTIC, PAPER	53	7/6/2006	7/6/2006	F002
115571	115571-05	PAD06C01297	ABSORBENT MATERIALS - PIGS, PILLOWS, PANS, RAGS, PLASTIC	40	7/19/2006	7/19/2006	F002

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No. : 001754737JJK

Profile No.: ~~6202-03~~ 93068 93067 State Manifest No.:

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE. DESCRIPTION	NONE	5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
1	F002	All inner containers except for 108753-02, 108753-04 and 103135-01	☒	D
2	D007	Inner containers 108753-02, 108753-04 and 103135-01	☒	D
3			☐	
4			☐	

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized b EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature [signature] Title Waste Characterization Specialist Date 6/1/09

Form A1
Page 1 of 2

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

LAND DISPOSAL NOTIFICAT. N AND CERTIFICATION FORM (PHA. E IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then t underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s):	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s):	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM
(PHASE IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 001754737JJK

Profile No.: ~~6202-03~~ 9306-08 9306-07 State Manifest No.:

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
5			☐	
6			☐	
7			☐	
8			☐	
9			☐	
10			☐	
11			☐	
12			☐	
13			☐	
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28			☐	
29			☐	
30			☐	
31			☐	
32			☐	
33			☐	
34			☐	
35			☐	

NA

DSA
6/1/09

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature_____

Title Waste Characterization Specialist Date_____

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 001754737JJK

Profile No.: ~~6202-08~~ ~~9306-08~~ 9306-07 State Manifest No.:

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY. ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE. DESCRIPTION	NONE	5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
36			☐	
37			☐	
38			☐	
39			☐	
40			☐	
41			☐	
42			☐	
43			☐	
44			☐	
45			☐	
46			☐	
47			☐	
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49			☐	
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58			☐	
59			☐	
60			☐	
61			☐	
62			☐	
63			☐	
64			☐	
65			☐	

OSA 6/1/09 N/A

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature

Title: **Waste Characterization Specialist** Date

Form A2
Page 2 of 2

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS) (Phase IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 001754737JJK

Profile No.: ~~6202-03~~ ~~9306-08~~ 9306-07 State Manifest No.:

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol		0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol		0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol		0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)		0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol		0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony	D	1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic	D	1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium	D	1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium	D	0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium	D	0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)	D	2.77	0.60 mg/l TCLP[4]
Trichloroethylene		0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol		0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead	D	0.69	0.75 mg/l[4]
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)	D	0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel	D	3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver	D	0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium	D	1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number: KY 8890008982	2. Page 1 of 2	3. Emergency Response Phone: 1-270-441-6211	4. Manifest Tracking Number: 001754743 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Np-237, Th-230, U-234, Solid/Oxide, 246 MBq, Fissile ~~Excepted~~	3	DM	151	K	
X	2. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Np-237, Th-230, Solid/Oxide, 1237 MBq	10	DM	709	K	
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 342 Trailer: 7366 TID: 0552188 — PCB Start Date: 07/18/89
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 — If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info — Shipment ID: 6202-15-0129

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of DOE — Signature: LaChelle Telfair — Month Day Year: 07 14 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: LARRY E. BEARD — Signature: Larry E Beard — Month Day Year: 07 14 09
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED JUL 2 4 2009 XS

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. H129	2. H129	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. Gardner — Signature: [signature] — Month Day Year: 7 17 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.
DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRE

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754743JJK

Shipment ID Number: 6202-15-0129

Shipment Date: 7/14/2009

UHWM Section	RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
Page 1 - 9b.1	103952	103952-01	PAD01C02065	>50PPM PCB SOLID WASTE; OILY RAGS, PIGS, PADS, BUCKETS, ETC.	8/30/00	7.4	70	31.75	10.32
Page 1 - 9b.1	13851	CAS-11198	PAD94C24835	FLOOR SWEEP	7/18/89	7.4	237	107.50	133.44
Page 1 - 9b.1	50327	CAS-18101	PAD09C10821	OILY RAGS/SCRUB PADS	1/20/95	7.4	275	124.74	102.48
Page 1 - 9b.2	8864	CAS-11300	PAD94C03153	ZORBAL, OILY RAGS	12/6/90	7.4	269	122.02	105.32
Page 1 - 9b.2	13887	CAS-13028	PAD94C03478	ABSORBENTS - SPILL CLEANUP	5/14/91	7.4	130	58.97	58.60
Page 1 - 9b.2	9844	CAS-14325	PAD94C00591	ZORBALL	12/11/90	7.4	407	184.61	277.96
Page 1 - 9b.2	9844	CAS-14326	PAD94C00588	RFD HAD WASTE OIL, WAS ZORBALL	12/11/90	7.4	663	300.73	480.69
Page 1 - 9b.2	17525	CAS-14682	PAD94C02420	PLASTIC, PADS, RAGS	7/29/91	7.4	141	63.96	67.31
Page 1 - 9b.2	11097	CAS-14969	PAD01C03115	PLASTIC/PPE/ZORBALL	3/6/92	7.4	205	92.99	54.64
Page 1 - 9b.2	18307	CAS-15165	PAD04C05022	OILY RAGS	5/10/91	7.4	281	127.46	114.83
Page 1 - 9b.2	18307	CAS-15166	PAD94C02385	OILY RAGS	5/10/91	7.4	81	36.74	19.80
Page 1 - 9b.2	18488	CAS-15226	PAD01C02941	PPE/PLASTIC/ABSORBENTS/SAWDUST	4/1/92	7.4	208	94.35	57.02
Page 1 - 9b.2	116959	116959-01	PAD07C04068	PCB SOLIDS (PPE, ABSORBENT PADS, ETC...)	9/11/07	0.67	13	5.90	0.79
		Totals	**13**			**89.47**	**2980**	**1351.70**	**1483.21**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754744 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Am-241, Np-237, Pu-239, Tc-99, Th-230, Solid/Oxide, 17.5 MBq, Fissile Excepted	1	CM	452	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 333 4838 TID: See PCB Attachment PR05762 PCB Start Date: 3/31/09 ~~12/31/09~~
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info Shipment ID: 6202-15-0128

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of US DOE — Signature: Carrie Maxie — Month 6 Day 23 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JAMES LEE PAYNE — Signature: James Lee Payne — Month 6 Day 23 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED JUN 30 2009 BY:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. GARDNER — Signature — Month 6 Day 24 Year 09

EPA Form 8700-22 (Rev. 3-05). Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754744JJK

Shipment ID Number: 6202-15-0128

Shipment Date: 6/23/2009

Bulk Container Information

RFD	Container / WASTE ID	DESCRIPTION	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Total Activity (MBq)	PCB Date to Storage	TID #1	TID #2
W08312	W08312	PCB Electrical Cable	96	1797	815.10	17.54	~~8/31/09~~ ~~40176.00~~ DEK 6/23/09	0005720	0005718
Totals	**1**		**96**	**1797**	**815.10**	**17.54**			

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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754745 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone: — U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ (PCB), Am-241, Tc-99, Th-230, U-234, Solid/Oxide, 2404 MBq, Fissile Excepted	2	DM	554	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 342 Trailer: 7366 TID: 0552188 PR05769 — PCB Start Date: 05/10/91
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 — If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info — Shipment ID: 6202-14-0005

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of DOE — Signature: [signature] — Month 07 Day 15 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: LARRY E. BEARD — Signature: [signature] — Month 07 Day 14 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED JUL 22 2009 BY: TS

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. GARDNER — Signature: [signature] — Month 7 Day 17 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754745JJK

Shipment ID Number: 6202-14-0005

Shipment Date: 7/14/2009

RFD	Container / WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
11083	CAS-14860	PAD09C10185	CONCRETE/SAND	05/10/91	7.4	729	330.67	1167.45
11083	CAS-14858	PAD98C02768	CONCRETE/SAND	05/10/91	7.4	764	346.54	1236.35
	Totals				**14.8**	**1493**	**677.21**	**2403.80**

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UNIFORM HAZARDOUS WASTE MANIFEST	
1. Generator ID Number	KY 8890008982
2. Page 1 of	2
3. Emergency Response Phone	1-270-441-6211
4. Manifest Tracking Number	001754747 JJK

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ (PCB), Am-241, Tc-99, Th-230, U-234, Solid/Oxide, 8481 MBq, Fissile Excepted	13	DM	1954	K K 7/17/09	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information TID: 0552210
PCB Start Date: 05/10/91
7/17/09 ERG # 162 In the event of an RQ Release, call 1-800-424-8802
If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
Shipment ID: 6202-14-0006
Truck: 333 Trailer: 7352 PRO5773

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of DOE — Signature: LaChelle Telfair — Month Day Year: 07 17 09

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JAMES LEE PAYNE — Signature: James Lee Payne — Month Day Year: 7 17 09
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED JUL 2 2 2009 BY TS

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARDNER — Signature — Month Day Year: 7 20 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.
DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754747JJK

Shipment ID Number: 6202-14-0006

Shipment Date: 7/17/2009

RFD	Container / WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
102080	102080-01	PAD07C04022	CONCRETE FROM PCB SPILL CLEANUP (#643).	06/08/00	7.4	353	160.12	584.71
8662	CAS-14873	PAD94C02411	CONCRETE BLOCKS	01/21/92	7.4	464	210.47	803.24
30676	CAS-16328	PAD94C02833	CONCRETE	06/15/93	7.4	546	247.66	964.67
11083	CAS-14859	PAD94C00395	CONCRETE/SAND	05/10/91	7.4	613	278.05	1096.58
8662	CAS-14881	PAD94C02791	CONCRETE BLOCKS	01/21/92	7.4	425	192.78	726.46
8662	CAS-14876	PAD94C02794	CONCRETE BLOCKS	01/21/92	7.4	102	46.27	90.56
8662	CAS-14878	PAD94C02762	CONCRETE BLOCKS	01/21/92	7.4	498	225.89	870.17
8662	CAS-14879	PAD09C10644	CONCRETE BLOCKS	01/21/92	7.4	554	251.29	822.92
8662	CAS-14880	PAD94C02761	CONCRETE BLOCKS	01/21/92	7.4	376	170.55	629.99
102080	102080-02	PAD07C04018	CONCRETE FROM PCB SPILL CLEANUP (#643).	06/08/00	4	273	123.83	478.40
102080	102080-03	PAD07C04019	CONCRETE FROM PCB SPILL CLEANUP (#643).	06/08/00	4	207	93.89	348.46
102080	102080-04	PAD07C04020	CONCRETE FROM PCB SPILL CLEANUP (#643).	06/08/00	4	225	102.06	383.90
102080	102080-05	PAD07C04021	CONCRETE FROM PCB SPILL CLEANUP (#643).	06/08/00	7.4	402	182.34	681.18
	Totals				**86**	**5038**	**2285.19**	**8481.24**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754748 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
1-270-441-5000
Generator's Phone:

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Specialty Transport Inc.
U.S. EPA ID Number
TNR000011247

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone:
U.S. EPA ID Number
UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, Type A package, fissile, 7, UN3327, RQ(PCB), Am-241, Tc-99, Th-230, U-234, Solid/Oxide, 1181 MBq, RADIOACTIVE YELLOW-II, TI =0.2, CSI =1.6, USA DOT 7A TYPE A	1	DM	117	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 333 Trailer: 7352 TID: 0552210
ERG # 165 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 06/14/90
If undeliverable, return to generator
Shipment ID: 6202-15-0130

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of DOE
Signature: LaChelle Telfair
Month Day Year: 07 17 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JAMES LEE PAYNE
Signature: James Lee Payne
Month Day Year: 7 17 09

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

RECEIVED
JUL 22 2009
TS

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. GARDNER
Signature:
Month Day Year: 7 20 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Shipment ID Number: 6202-15-0130

Manifest Number: 001754748JJK

Shipment Date: 7/17/2009

RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
13530	CAS-10128	PAD09C10628	VACUUM CLEANER DUST/C400 OLD VAC/METAL SLAG	6/14/90	7.4	374	169.64	1180.53
	Totals	**1**			**7.40**	**374**	**169.64**	**1180.53**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754751 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Np-237, Th-230, U-234, Solid/Oxide, 63 MBq, Fissile Excepted	1	DM	39	K	
X	2. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Np-237, Th-230, Solid/Oxide, 199 MBq	3	DM	114	K	
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 333 Trailer: 7147 TID: 0552186
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
Exclusive Use Shipment, See PCB Attachment for Additional Info
PCB Start Date: 06/10/91
If undeliverable, return to generator
Shipment ID: 6202-15-0131

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: ~~[illegible]~~ 7/24/09 LaChelle Telfair on behalf of DOE — Signature: LaChelle Telfair — Month 07 Day 24 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month Day Year

Transporter 2 Printed/Typed Name: JAMES LEE PAYNE — Signature: James Lee Payne — Month 7 Day 24 Year 09

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED JUL 29 2009 BY: TS

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129	H129		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. GARDNER — Signature — Month 7 Day 27 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: .001754751JJK

Shipment ID Number: 6202-15-0131

Shipment Date: 7/24/2009

UHWM Section	RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
Page 1 - 9b.1	101022	101022-01	PAD00C00426	FILTERS/ABSORBENTS/PPE	11/3/98	7.4	222	100.70	63.40
Page 1 - 9b.2	13890	CAS-14146	PAD94C02557	FLOOR SWEEP	6/10/91	7.4	104	47.17	38.01
Page 1 - 9b.2	13890	CAS-14149	PAD94C02508	FLOOR SWEEP	6/10/91	7.4	96	43.54	31.68
Page 1 - 9b.2	13890	CAS-14162	PAD94C02563	FLOOR SWEEP	6/10/91	7.4	219	99.34	129.08
		Totals	**4**			**29.60**	**641**	**290.75**	**262.17**

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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754752 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
1-270-441-5000
Generator's Phone:

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone: — U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ (PCB), Am-241, Np-237, Pu-239, Tc-99, Th-230, Solid/Oxide, 11731 MBq, Fissile Excepted	1	CM	3211	K	
	2.					
	3.					
	4.					

Truck: 343 Trailer: 4934 TID: See Attachment PCB Start Date: 05/01/97

14. Special Handling Instructions and Additional Information
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
Exclusive Use Shipment, See PCB Attachment for Additional Info
If undeliverable, return to generator
Shipment ID: 6202-14-0007

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Tefft on behalf of the DOE — Signature: LaChelle Tefft — Month: 8 Day: 14 Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: DAVID FUTRELL — Signature — Month: 08 Day: 14 Year: 09

Transporter 2 Printed/Typed Name — Signature — Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

RECEIVED AUG 2 2 2009 BY: TS

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Justin Lee — Signature — Month: 8 Day: 14 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754752JJK

Shipment ID Number: 6202-14-0007

Shipment Date: 8/14/2009

RFD	Container / WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	TIDs
101590	101590-01	PAD99C00694	CONCRETE IN B-25 BOX, GENERATED FROM ALL SWITCHYARDS DURING GATE CONSTRUCTION AND CONCRETE PICKUP FROM ALL AREAS OF SWITCHYARDS. PCB CONTENT GREATER THAN 50 PPM, BUT LESS THAN 500 PPM	05/01/97	90	7880	3574.29	11731.24	0022807 & 0022808
			Totals		**90**	**7880**	**3574.29**	**11731.24**	

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754753 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, solid, n.o.s., 9, NA3077, PG-III, RQ (D006, PCB)	5	DM	451 ~~449~~ a 8/7/09	K	D006	D008	D018
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Truck: 333 Trailer: 7366 TID: 055 2101 PCB Date to Storage: 12/10/90 Accumulation Start Date: 12/10/90
ERG # 171 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
See Attachment for Additional Info PM00953 Shipment ID: 9306-02-0020

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of DOE — Signature: LaChelle Telfair — Month 08 Day 07 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JAMES LEE PAYNE — Signature: James Lee Payne — Month 8 Day 7 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED AUG 14 2009 BY: TS

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. GARDNER — Signature — Month 8 Day 11 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754753JJK

Shipment ID Number: 9306-02-0020

Shipment Date: 8/7/2009

RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	Accumulation Start Date	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
108954	108954-01	PAD07C03137	OIL FILTERS FROM HILCO FILTER PUMPS (RFD 108951). NO FREE LIQUIDS. METAL FRAMED FILTERS.	07/25/06	7/25/06	11.4	489	221.81	0.27
13228	CAS-11283	PAD02C06137	RAGS, FILTERS	12/10/90	12/10/90	7.4	287	130.18	0.10
13228	CAS-11284	PAD09C10744	RAGS, FILTERS	12/10/90	12/10/90	7.4	203	92.08	0.04
13234	CAS-12573	PAD03C01358	RAGS/FILTERS/GLASS SMPL BOTTLES	02/21/91	2/21/91	7.4	366	166.01	0.15
13234	CAS-12574	PAD04C05017	RAGS/FILTERS/GLASS SMPL BOTTLES	02/21/91	2/21/91	7.4	273	123.83	0.09
	Totals	**5**				**41.00**	**1618.00**	**733.91**	**0.65**

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 001754753JJK

Profile No.: 9306-02-0020 State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D006	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for cadmium based on the toxicity characteristic leaching procedure (TCLP) in SW846.	☐	A
2	D008	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for lead based on the toxicity characteristic leaching procedure (TCLP) in SW846.	☐	A
3	D018		☒	A
4			☐	

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☐
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☒ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature [signature] Title Waste Characterization Specialist Date 7/29/09

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

LAND DISPOSAL NOTIFICA ON AND CERTIFICATION FORM (PH. SE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then th underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6 NA	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005) OSH 7/29/09	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	2	1-270-441-6211	001754756 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone:
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Am-241, Np-237, Pu-239, Tc-99, Th-230, Solid/Oxide, 112.48 MBq, Fissile Excepted	1	DM	23	K	
X	2. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Am-241, Np-237, Tc-99, Th-230, Solid/Oxide, 0.22 MBq	1	DM	12	K	
RQ	3. Environmentally hazardous substances, solid, n.o.s. (PCB), 9 UN3077, PG-III	1	DM	76	K	
	4.					

14. Special Handling Instructions and Additional Information
Truck: 333 Trailer: 7366 TID: 0552101 PCB Date to Storage: 09/18/89
ERG # 162, 171 If undeliverable, return to generator
Exclusive Use Shipment See Attachment for Additional Info Shipment ID: 6202-14-0008

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of the US DOE — Signature: LaChelle Telfair — Month 08 Day 07 Year 09

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JAMES LEE PAYNE — Signature: James Lee Payne — Month 8 Day 7 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129	H129	H129	

RECEIVED
AUG 14 2009
BY: TS

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. GARDNER — Signature — Month 8 Day 14 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754756JJK.

Shipment ID Number: 6202-14-0008

Shipment Date: 8/7/2009

UHWM Section ID	RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
9.b.1.	7748	CAS-15194	PAD09C10756	PLASTIC FILTERS	9/18/89	7.4	187	84.82	112.48
9.b.2.	6749	CAS-09602	PAD09C10757	FILTERS/RAGS/TRASH	11/3/89	7.4	163	73.94	0.22
9.b.3.	8473	CAS-09826	PAD09C10723	OILY RAGS/FILTERS/HOSES	1/31/90	7.4	303	137.44	0.02
		Totals	3			**22.20**	**653.00**	**296.19**	**112.73**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754758 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Waste Radioactive material, low specific activity (LSA-I), 7(8), UN2912, RQ(D002), Am-241, Np-237, Pu-239, Th-230, Solid/Oxide, 1.14 MBq, Fissile Excepted	1	DM	83	K	D002		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Truck: 333 Trailer: 7366 TID: 0552101 Accumulation Start Date: 10/27/92 PCB Start Date: 10/27/92
ERG # 162 PM00954 If undeliverable, return to generator
Exclusive Use Shipment See Attachment for Additional Info Shipment ID: 9306-15-0008

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of DOE — Signature: LaChelle Telfair — Month: 08 Day: 07 Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JAMES LEE PAYNE — Signature: James Lee Payne — Month: 8 Day: 7 Year: 09

Transporter 2 Printed/Typed Name — Signature — Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

AUG 14 2009

18c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. GARDNER — Signature — Month: 8 Day: 11 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Additional Information Attachment, Page 2 of 2

Manifest Number: 001754758JJK

Shipment ID Number: 9306-15-0008

Shipment Date: 8/7/2009

RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	Accumulation Start Date	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
17648	CAS-15710	PAD94C22161	SOLID NICKEL STRIPPER SAMPLES.	33904	10/27/92	7.4	319	144.70	1.14
	Totals	**1**				**7.40**	**319.00**	**144.70**	**1.14**

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No. : 001754758JJK

Profile No.: 9306-15-0008 (CAS-15710) State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D002	Corrosive Characteristic Wastes	☐	A
2			☐	
3			☐	
4			☐	

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Huffman Title Waste Characterization Specialist Date 7/28/09

LAND DISPOSAL NOTIFICAT I AND CERTIFICATION FORM (PH/ IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then th underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SH 7/2/18

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS) (Phase IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 001754758JJK

Profile No.: 9306-15-0008 (CAS-15710) State Manifest No.: NA

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene	A	0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene	A	0.059	3.4	Chlorodibromomethane	A	0.057	15
Acetone	A	0.28	160	Chloroethane	A	0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane	A	0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether	A	0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform	A	0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether	A	0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol	A	0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride	A	0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene	A	0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol	A	0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene	A	0.059	3.4	Chrysene	A	0.059	3.4
Aramite		0.36	NA	o-Cresol	A	0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol	A	0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol	A	0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene	A	0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene	A	0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]	A	0.11	6.8	Dibenz(a,h)anthracene	A	0.055	8.2
Benzo(k)fluoranthene[3]	A	0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene	A	0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene	A	0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane	A	0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide	A	0.11	15	m-Dichlorobenzene	A	0.036	6.0
4-Bromophenyl phenyl ether	A	0.055	15	o-Dichlorobenzene	A	0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene	A	0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate	A	0.017	28	1,1-Dichloroethane	A	0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane	A	0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene	A	0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene	A	0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol	A	0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol	A	0.044	14
Carbon disulfide	A	3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride	A	0.057	6.0	1,2-Dichloropropane	A	0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene	A	0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene	A	0.036	18
p-Chloroaniline	A	0.46	16	Dieldrin		0.017	0.13
Chlorobenzene	A	0.057	6.0	Diethyl phthalate	A	0.20	28

CONSTITUENT	HOW MUS THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol	A	0.036	14	Methylene chloride	A	0.089	30
Dimethyl phthalate	A	0.047	28	Methyl ethyl ketone	A	0.28	36
Di-n-butyl phthalate	A	0.057	28	Methyl isobutyl ketone	A	0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol	A	0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol	A	0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene	A	0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene	A	0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate	A	0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine	A	0.40	14	Naphthalene	A	0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline	A	0.27[1]	14[1]
Diphenylnitrosamine[3]	A	0.92	13[1]	p-Nitroaniline	A	0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene	A	0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol	A	0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol	A	0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine	A	0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene	A	0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate	A	0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)		0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene	A	0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol	A	0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene	A	0.055	10	Phenanthrene	A	0.059	5.6
Hexachlorobutadiene	A	0.055	5.6	Phenol	A	0.039	6.2
Hexachlorocyclopentadiene	A	0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane	A	0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene	A	0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene	A	0.067	8.2
Methacrylonitrile		0.24	84	Pyridine	A	0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane	A	0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene	A	0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony	A	1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene	A	0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium		1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform	A	0.63	15	Beryllium	A	0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene	A	0.055	19	Cadmium	A	0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane	A	0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane	A	0.054	6.0	Chromium (Total)		2.77	0.60 mg/l TCLP[4]
Trichloroethylene	A	0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol	A	0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol	A	0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead		0.69	0.75 mg/l[4]
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)		0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel	A	3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride	A	0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene	A	0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver	A	0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium	A	1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754759 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Am-241, Tc-99, Th-230, U-234, Solid/Oxide, 146 MBq, Fissile Excepted	1	DM	34	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 333 Trailer: 7366 TID: 0552101
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
Exclusive Use Shipment, See PCB Attachment for Additional Info PR05790
PCB Start Date: 12/31/89
If undeliverable, return to generator
Shipment ID: 6202-15-0133

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Tolfair on behalf of DOE — Signature: [signature] — Month 08 Day 07 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JAMES LEE PAYNE — Signature: [signature] — Month 8 Day 7 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

RECEIVED AUG 14 2009 BY: TB

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. GARDNER — Signature: [signature] — Month 8 Day 11 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Shipment ID Number: 6202-15-0133

Manifest Number: 001754759JJK

Shipment Date: 8/7/2009

RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
9288	CAS-09660	PAD94C00428	TRASH PER SAMPLING	12/31/89 ~	7.4	130	58.97	145.69
	Totals	**1**			**7.40**	**130**	**58.97**	**145.69**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	6	1-270-441-6211	001754760 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Diversified Scientific Services, Inc. (DSSI)
857 Gallaher Rd, Kingston, TN 37763
Facility's Phone: 1-865-376-8747
U.S. EPA ID Number: TND982109142

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
RQ	1. Hazardous waste liquids, n.o.s., 9, NA3082, III, (D007,PCB, D033)	2	DM	310	K	D007	D030	D032
						D033	D036	D042
RQ	2. Environmentally hazardous substances, liquid, n.o.s., 9, UN3082, III, (PCB)	17	DM	2458	K			
X	3. Waste, Diesel fuel, 3, NA1993, III	5	DM	624	K	D001	D018	
RQ	4. Waste,Flammable liquids, n.o.s., 3, UN1993, III, (Isopropyl Alcohol, Acetone, PCB)	1	DF	16	K	D001	D004	D006
						D008	D018	F003

14. Special Handling Instructions and Additional Information
Truck: 756A Trailer: W47725 TID: 0552908 Accumulation Start Date: 05/05/08 PCB Start Date: 04/18/08
In the event of an RQ Release, call 1-800-424-8802 ERG # 171, 128 If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info Shipment ID: DSSI-09-137

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE — Signature: Carrie Maxie — Month 08 Day 26 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: OSCAR L. PALMER — Signature: Oscar L Palmer — Month 08 Day 26 Year 09
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

RECEIVED AUG 27 2009

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Elvis Turpin — Signature: Elvis Turpin — Month 8 Day 27 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number	22. Page	23. Manifest Tracking Number
	KY 8890008982	2	001754760JJK

24. Generator's Name
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053

25. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

26. Transporter ____ Company Name — U.S. EPA ID Number:

GENERATOR

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes		
X	Waste, Flammable liquids, n.o.s., 3, UN1993, III, (contains Acetone and Methyl Ethyl Ketone)	1	DM	9	K	D001 D043	D018 F001	D028 F002
RQ	Hazardous waste liquids, n.o.s., 9, NA3082, III (D035, PCB, D043)	1	DM	2	K	D018 D029	D019 D040	D028 D043
X	Waste, Flammable liquids, corrosive, n.o.s., 3(8), UN2924, III, (contains hydochloric acid, methanol)	1	DF	6	K	D001 U154	D002	F003
X	Waste, Trichloroethane, 6.1, UN2831, III	1	DM	1	K	U228		
RQ	Hazardous waste liquids, n.o.s., 9, NA3082, III (D007, D040, D043)	1	DM	55	K	D007 D039	D018 D040	D019 D043
X	Hazardous waste liquids, n.o.s., 9, NA3082, III (F001, F002)	4	DF	59	K	F001	F002	U228
RQ	Hazardous waste liquids, n.o.s., 9, NA3082, III (D008, D033)	2	DM	210	K	D008 D033	D030 D036	D032 D042
X	Hazardous waste liquids, n.o.s., 9, NA3082, III (D006, D007)	1	DM	8	K	D006 D011	D007	D008
RQ	Hazardous waste liquids, n.o.s., 9, NA 3082, III (D006, D008)	4	DM	484	K	D006 F002	D008	D018
	Non-Regulated, Used Oil	33	DM	4665	K			

32. Special Handling Instructions and Additional Information
Accumulation Start Date: 04/05/91 PCB Start Date: 04/03/08
In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
ERG # 128, 171, 132, 160 See Attachment for Additional Info Shipment ID: DSSI-09-137

TRANSPORTER

33. Transporter ____ Acknowledgment of Receipt of Materials
Printed/Typed Name: Oscar Palmer Signature: OSCAR L. PALMER Month: 08 Day: 06 Year: 09

34. Transporter ____ Acknowledgment of Receipt of Materials
Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Manifest Number: 001754760JJK

Shipment ID Number: DSSI-09-137

Shipment Date: 8/26/2009

UHWM Section	RFD	WASTE ID	Barcode Number	Description	Accumulation Start Date	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	Waste Profile #
Page 1 - 9b.1	108900	108900-02	PAD09C10172	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS.	3/25/09	3/25/09	7.40	446	202.30	1.25E+00	09-03-017
Page 1 - 9b.1	108900	108900-04	PAD09C10369	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS.	3/25/09	3/25/09	7.40	349	158.30	9.36E-01	09-03-017
Page 1 - 9b.2	118352	118352-01	PAD08C06008	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.		8/1/08	7.40	96	43.54	1.72E-02	09-03-015
Page 1 - 9b.2	123123	123123-10	PAD08C05224	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.		6/18/08	7.40	318	144.24	1.13E-01	09-03-015
Page 1 - 9b.2	123123	123123-07	PAD09C10817	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.		6/18/08	7.40	453	205.48	1.36E-01	09-03-015
Page 1 - 9b.2	123123	123123-06	PAD08C05220	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.		6/18/08	7.40	370	167.83	1.35E-01	09-03-015
Page 1 - 9b.2	123123	123123-05	PAD08C05219	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.		6/18/08	7.40	374	169.64	1.37E-01	09-03-015
Page 1 - 9b.2	123123	123123-08	PAD08C05222	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.		6/18/08	7.40	378	171.46	1.38E-01	09-03-015
Page 1 - 9b.2	123123	123123-09	PAD08C05223	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.		6/18/08	7.40	386	175.09	1.42E-01	09-03-015
Page 1 - 9b.2	118352	118352-02	PAD09C10821	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.		8/1/08	7.40	483	219.08	1.49E-01	09-03-015
Page 1 - 9b.2	118352	118352-04	PAD08C06011	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.		8/1/08	7.40	398	180.53	1.47E-01	09-03-015
Page 1 - 9b.2	118352	118352-05	PAD08C06012	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.		8/1/08	7.40	402	182.34	1.49E-01	09-03-015
Page 1 - 9b.2	118352	118352-06	PAD09C10815	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.		8/1/08	7.40	487	220.90	1.51E-01	09-03-015
Page 1 - 9b.2	123123	123123-03	PAD08C05217	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.		6/25/08	7.40	404	183.25	1.50E-01	09-03-015
Page 1 - 9b.2	118352	118352-03	PAD08C06010	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.		8/1/08	7.40	406	184.16	1.51E-01	09-03-015

Manifest Number: 001754760JJK

Shipment ID Number: DSSI-09-137

Shipment Date: 8/26/2009

UHWM Section	RFD	WASTE ID	Barcode Number	Description	Accumulation Start Date	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	Waste Profile #
Page 1 - 9b.2	123123	123123-01	PAD08C05215	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.		6/25/08	7.40	414	187.79	1.54E-01	09-03-015
Page 1 - 9b.2	123123	123123-02	PAD08C05216	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.		6/25/08	7.40	410	185.97	1.52E-01	09-03-015
Page 1 - 9b.2	123123	123123-04	PAD08C05218	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.		6/25/08	7.40	410	185.97	1.52E-01	09-03-015
Page 1 - 9b.2	123123	123123-11	PAD08C05225	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER		6/25/08	7.40	422	191.41	1.57E-01	09-03-015
Page 1 - 9b.3	120273	120273-01	PAD09C10818	DIESEL FUEL 5 GAL	7/1/08		0.67	175	79.38	4.20E-02	09-03-018
Page 1 - 9b.3	109607	109607-01	PAD09C10441	WASTE DIESEL FUEL	4/2/09		7.40	454	205.93	1.56E-01	09-03-018
Page 1 - 9b.3	109607	109607-02	PAD09C10442	WASTE DIESEL FUEL	4/2/09		7.40	232	105.23	6.91E-02	09-03-018
Page 1 - 9b.3	109607	109607-03	PAD09C10444	WASTE DIESEL FUEL	4/2/09		7.40	412	186.88	1.40E-01	09-03-018
Page 1 - 9b.3	109607	109607-04	PAD09C10443	WASTE DIESEL FUEL	4/2/09		7.40	394	178.71	1.33E-01	09-03-018
Page 1 - 9b.4	123116	123116-01	PAD08C05356	LIQUID LAB WASTE. RESIDUAL OIL WITH NON-HALOGENATED SOLVENT CONTAMINATION (TOLUENE, ACETONE) AS WELL AS ISOPROPYL ALCOHOL.	5/5/08	4/18/08	0.67	38	17.24	4.04E-03	09-03-019
Page 2 - 27b.1	107427	107427-01	PAD09C10820	LAB PACK OF AQUEOUS SAMPLE RETURNS FROM TSCAL 05-01 AND TSCAL 05-02.	4/3/08	4/3/08	4.00	91	41.28	1.12E-02	09-03-016
Page 2 - 27b.2	109172	109172-01	PAD09C10819	LAB PACK OF OIL SAMPLE RETURNS FROM TSCAL 05-01 AND TSCAL 05-02.	4/3/08	4/3/08	4.00	77	34.93	1.01E-03	09-03-016
Page 2 - 27b.3	120268	120268-01	PAD08C06018	CALIBRATION SOLUTION 5 GAL CONTAINER (METHANOL & WATER SOLUTION).	5/30/08		0.67	16	7.26	3.18E-05	09-03-026
Page 2 - 27b.4	118332	118332-01	PAD09C10816	TCE. RECOVERED FROM TCE HEADER ON EAST WALL OF C-400, IN PREPARATION FOR D&D BY PRS. SMALL VOLUME (<1PT) IN A	10/30/08		0.67	63	28.58	6.06E-02	09-08-021
Page 2 - 27b.5	18278	4799	PAD94C02181	MACHINE COOLANT	4/5/91		7.40	178	80.74	4.61E-02	09-03-012
Page 2 - 27b.6	108284	108284-01	PAD06C00985	LIQUID SCINTILLATION COCKTAIL	3/22/05		0.67	16	7.26	2.03E-03	09-08-022
Page 2 - 27b.6	100357	100357-01	PAD01C02087	LIQUID SCINTILLATION COCKTAIL	5/11/00		0.67	40	18.14	5.78E-03	09-08-022
Page 2 - 27b.6	100368	100368-01	PAD01C02086	LIQUID SCINTILLATION COCKTAIL	5/22/00		0.67	40	18.14	5.78E-03	09-08-022

Manifest Number: 001754760JJK

Shipment ID Number: DSSI-09-137

Shipment Date: 8/26/2009

UHWM Section	RFD	WASTE ID	Barcode Number	Description	Accumulation Start Date	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	Waste Profile #
Page 2 - 27b.6	104832	104832-01	PAD05C06063	LIQUID SCINTILLATION COCKTAIL	2/2/05		0.67	45	20.41	6.56E-03	09-08-022
Page 2 - 27b.7	104427	104427-01	PAD01C02316	OILY LIQUID FROM C-745-M	9/17/01		7.40	336	152.41	1.44E-02	09-08-023
Page 2 - 27b.7	104427	104427-02	PAD01C02314	OILY LIQUID FROM C-745-M	9/17/01		7.40	240	108.86	9.46E-03	09-08-023
Page 2 - 27b.8	22257	5029	PAD94C01216	OILY SLUDGE/WATER	10/15/91		7.40	74	33.57	7.29E-03	09-08-023
Page 2 - 27b.9	108186	108186-01	PAD09C10474	APPROXIMATELY 4-5 55 GALLON DRUMS OF USED ENGINE OIL, HYDRAULIC OIL THAT'S BEEN COLLECTED DURING PREVENTATIVE MAINTENANCE ACTIVITIES PERFORMED ON THE EQUIPMENT LOCATED AT THE LANDFILL	4/21/09		7.40	222	100.70	8.62E-02	09-03-014
Page 2 - 27b.9	108146	108146-01	PAD09C10902	OIL DRAINED FROM TRANSFORMERS ON RFD 108230 PREVIOUSLY REFERENCED AS 108237-05. DUE TO CHARACTERIZATION AS RCRA, -05 NEEDED TO BE RFD'ED ON SEPERATE RFD.	6/18/09		7.40	247	112.04	9.92E-02	09-03-014
Page 2 - 27b.9	108186	108186-02	PAD09C10473	APPROXIMATELY 4-5 55 GALLON DRUMS OF USED ENGINE OIL, HYDRAULIC OIL THAT'S BEEN COLLECTED DURING PREVENTATIVE	4/20/09		7.40	332	150.59	1.43E-01	09-03-014
Page 2 - 27b.9	109609	109609-01	PAD09C10451	WASTE MOTOR OIL	8/9/09		7.40	490	222.26	2.25E-01	09-03-014
Page 2 - 27b.10	106215	106215-03	PAD06C00140	USED EQUIPMENT OIL			7.40	198	89.81	7.37E-02	09-03-014
Page 2 - 27b.10	115978	115978-01	PAD06C00852	HYDRAULIC OIL DRAINED FROM SCRAP YARD EQUIPMENT.			7.40	224	101.60	8.72E-02	09-03-014
Page 2 - 27b.10	109174	109174-01	PAD08C05267	WASTE OIL COLLECTED FROM ROUTINE MAINTENANCE OF LANDFILL EQUIPMENT.			7.40	230	104.33	9.04E-02	09-03-014
Page 2 - 27b.10	115979	115979-01	PAD06C00855	MOTOR OILS DRAINED FROM SCRAP YARD EQUIPMENT.			7.40	260	117.93	1.06E-01	09-03-014
Page 2 - 27b.10	115977	115977-01	PAD06C00857	MOTOR OILS DRAINED FROM SCRAP YARD EQUIPMENT.			7.40	258	117.03	1.05E-01	09-03-014
Page 2 - 27b.10	115976	115976-01	PAD06C00854	MOTOR OILS DRAINED FROM SCRAP YARD PROJECT EQUIPMENT.			7.40	268	121.56	1.10E-01	09-03-014
Page 2 - 27b.10	115980	115980-02	PAD06C00860	MOTOR OILS DRAINED FROM SCRAP YARD EQUIPMENT.			7.40	276	125.19	1.14E-01	09-03-014
Page 2 - 27b.10	115977	115977-02	PAD06C00853	MOTOR OILS DRAINED FROM SCRAP YARD EQUIPMENT.			7.40	280	127.01	1.16E-01	09-03-014
Page 2 - 27b.10	106215	106215-02	PAD04C04947	USED EQUIPMENT OIL			7.40	302	136.98	1.28E-01	09-03-014
Page 2 - 27b.10	108237	108237-01	PAD09C10584	OIL DRAINED FROM TRANSFORMERS ON RFD 108230			7.40	477	216.36	2.19E-01	09-03-014
Page 2 - 27b.10	108237	108237-02	PAD09C10585	OIL DRAINED FROM TRANSFORMERS ON RFD 108230			7.40	449	203.66	2.04E-01	09-03-014
Page 2 - 27b.10	108237	108237-03	PAD09C10586	OIL DRAINED FROM TRANSFORMERS ON RFD 108230			7.40	461	209.10	2.10E-01	09-03-014
Page 2 - 27b.10	108237	108237-04	PAD09C10587	OIL DRAINED FROM TRANSFORMERS ON RFD 108230			7.40	456	206.84	2.08E-01	09-03-014

Manifest Number: 001754760JJK

Shipment ID Number: DSSI-09-137

Shipment Date: 8/26/2009

UHWM Section	RFD	WASTE ID	Barcode Number	Description	Accumulation Start Date	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	Waste Profile #
Page 2 - 27b.10	104605	104605-02	PAD01C03650	HYDRAULIC OIL FROM SHREDDER FROM DRUM MTN. MSDS IS ATTACHED			7.40	302	136.98	1.28E-01	09-03-014
Page 2 - 27b.10	115980	115980-01	PAD06C00861	MOTOR OILS DRAINED FROM SCRAP YARD EQUIPMENT.			7.40	334	151.50	1.44E-01	09-03-014
Page 2 - 27b.10	116704	116704-01	PAD08C06107	55-GALLON COLLECTION DRUM OF COMPRESSOR OIL FROM AC UNITS. (RCRA/MIX)			7.40	334	151.50	1.44E-01	09-03-014
Page 2 - 27b.10	108151	108151-01	PAD08C05320	HYDRAULIC OIL FROM EQUIPMENT MAINTENANCE.			7.40	338	153.31	1.46E-01	09-03-014
Page 2 - 27b.10	104605	104605-06	PAD01C03649	HYDRAULIC OIL FROM SHREDDER FROM DRUM MTN. MSDS IS ATTACHED			7.40	348	157.85	1.52E-01	09-03-014
Page 2 - 27b.10	104605	104605-07	PAD01C03648	HYDRAULIC OIL FROM SHREDDER FROM DRUM MTN. MSDS IS ATTACHED			7.40	393	178.26	1.75E-01	09-03-014
Page 2 - 27b.10	104605	104605-04	PAD01C03646	HYDRAULIC OIL FROM SHREDDER FROM DRUM MTN. MSDS IS ATTACHED			7.40	416	188.69	1.87E-01	09-03-014
Page 2 - 27b.10	104605	104605-03	PAD01C03610	HYDRAULIC OIL FROM SHREDDER FROM DRUM MTN. MSDS IS ATTACHED			7.40	422	191.41	1.90E-01	09-03-014
Page 2 - 27b.10	104605	104605-01	PAD01C03651	HYDRAULIC OIL FROM SHREDDER FROM DRUM MTN. MSDS IS ATTACHED			7.40	424	192.32	1.91E-01	09-03-014
Page 2 - 27b.10	109164	109164-01	PAD08C05067	USED OIL FROM EQUIPMENT MAINTENANCE			7.40	428	194.14	1.93E-01	09-03-014
Page 2 - 27b.10	115980	115980-03	PAD06C00859	MOTOR OILS DRAINED FROM SCRAP YARD EQUIPMENT.			7.40	432	195.95	1.95E-01	09-03-014
Page 2 - 27b.10	104605	104605-05	PAD01C03647	HYDRAULIC OIL FROM SHREDDER FROM DRUM MTN. MSDS IS ATTACHED			7.40	446	202.30	2.03E-01	09-03-014
Page 2 - 27b.10	117226	117226-01	PAD09C10731	USED WASTE OIL FOR RECYCLE "USED OIL" (CONTRACT CLOSURE/DMSA HOUSEKEEPING)			7.40	527	239.04	2.03E-01	09-03-014
Page 2 - 27b.10	117226	117226-02	PAD09C10520	USED WASTE OIL FOR RECYCLE "USED OIL" (CONTRACT CLOSURE/DMSA HOUSEKEEPING)			7.40	447	202.75	2.03E-01	09-03-014
Page 2 - 27b.10	106215	106215-01	PAD04C04028	USED EQUIPMENT OIL			7.40	452	205.02	2.06E-01	09-03-014
Page 2 - 27b.10	115976	115976-02	PAD06C00851	MOTOR OILS DRAINED FROM SCRAP YARD PROJECT EQUIPMENT.			7.40	450	204.12	2.05E-01	09-03-014
Page 2 - 27b.10	115981	115981-01	PAD06C00858	HYDRAULIC OIL DRAINED FROM SCRAP YARD EQUIPMENT.			7.40	450	204.12	2.05E-01	09-03-014
Page 2 - 27b.10	106950	106950-01	PAD07C03057	HYDRAULIC OIL FROM C-746-D YARD - DRAINED FROM EQUIPMENT THAT WAS USED IN AREA.			7.40	172	78.02	6.02E-02	09-03-014
Page 2 - 27b.10	115976	115976-03	PAD06C00856	MOTOR OILS DRAINED FROM SCRAP YARD PROJECT EQUIPMENT.			7.40	474	215.00	2.17E-01	09-03-014
Page 2 - 27b.10	106950	106950-02	PAD07C03062	HYDRAULIC OIL FROM C-746-D YARD - DRAINED FROM EQUIPMENT THAT WAS USED IN AREA.			7.40	485	219.99	2.23E-01	09-03-014
		Totals	**74**				**486.96**	**23831**	**10809.50**	**11.12**	

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No. : 01754760JJK

Profile No.: 09-08-021 (WID 118332-01) State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE. DESCRIPTION	NONE	5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
1	U228		☒	A
2			☐	
3			☐	
4			☐	

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☐
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature: Steve Hoffman Title: Waste Characterization Specialist Date: 8/24/09

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then th underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

NOT APPLICABLE KH 5/24/09

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No. : 01754760JJK

Profile No.: 09-03-019 (WID 123116-01) State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D001	High TOC Ignitable Characteristic Liquids	☐	A
2	D004	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for arsenic based on the TCLP in SW846	☐	A
3	D006	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for cadmium based on the TCLP in SW846	☐	A
4	D008	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for lead based on the TCLP in SW846	☐	A

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☒

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Heffran Title Waste Characterization Specialist Date 8/24/09

Form A1
Page 1 of 2

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM
(PHASE IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 01754760JJK
Profile No.: 09-03-019 (WID 123116-01) State Manifest No.: NA

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
5	D018		☐	A
6	F003		☐	A
7	F005		☐	A
8			☐	
9			☐	
10			☐	
11			☐	
12			☐	
13			☐	
14			☐	
15			☐	
16			☐	
17			☐	
18			☐	
19			☐	
20			☐	
21			☐	
22			☐	
23			☐	
24			☐	
25			☐	
26			☐	
27			☐	
28			☐	
29			☐	
30			☐	
31			☐	
32			☐	
33			☐	
34			☐	
35			☐	

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Huffman

Title Waste Characterization Specialist Date 8/24/09

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV)

Generator Name	US Department of Energy (Paducah Site)	Manifest Doc. No.	01754760JJK
Profile No.	09-03-019 (WID 123116-01)	State Manifest No.:	NA

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
36			☐	
37			☐	
38			☐	
39			☐	
40			☐	
41			☐	
42			☐	
43			☐	
44			☐	
45			☐	
46			☐	
47			☐	
48			☐	
49			☐	
50			☐	
51			☐	
52			☐	
53			☐	
54			☐	
55			☐	
56			☐	
57			☐	
58			☐	
59			☐	
60			☐	
61			☐	
62			☐	
63			☐	
64			☐	
65			☐	

NOT APPLICABLE 8/24/09 SH

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature_____

Title_____ Date_____

Form A2
Page 2 of 2

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS) (Phase IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 01754760JJK

Profile No.: 09-03-019 (WID 123116-01) State Manifest No.: NA

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform	A	0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol	A	0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol	A	0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol	A	0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene	A	0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane	A	0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene	A	0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride	A	0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene	A	0.057	6.0	Diethyl phthalate		0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone	A	0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene	A	0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene	A	0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)	A	0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol	A	0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene	A	0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene	A	0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane	A	0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine	A	0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene	A	0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony	A	1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium		1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium		0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)	A	2.77	0.60 mg/l TCLP[4]
Trichloroethylene	A	0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol	A	0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol	A	0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead		0.69	0.75 mg/l[4]
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)	A	0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel		3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride	A	0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver	A	0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium	A	1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No. : 01754760JJK

Profile No.: 09-03-018 (WIDs 109607-01, 109607-02, 109607-03, 109607-04, 120273-01) State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D001	High TOC Ignitable Characteristic Liquids	☐	A
2	D018		☒	A
3			☐	
4			☐	

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Hoffman Title Waste Characterization Specialist Date 8/24/09

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then th underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

NOT APPLICABLE SH 8/24/01

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS) (Phase IV)

Generator Name: US Department of Energy (Paducah Site) | Manifest Doc. No.: 01754760JJK

Profile No.: 09-03-018 (WIDs 109607-01, 109607-02, 109607-03, 109607-04, 120273-01) | State Manifest No.: NA

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol		0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol		0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol		0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene	A	0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene	A	0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)		0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene	A	0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol		0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene	A	0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony		1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene	A	0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium		1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium		0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.60 mg/l TCLP[4]
Trichloroethylene		0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol		0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead		0.69	0.75 mg/l[4]
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)		0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel		3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene	A	0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver		0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium		1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No. : 01754760JJK

Profile No.: 09-03-016 (WID 109172-01) State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE. DESCRIPTION	NONE	5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
1	D006	Wastes that exhibit the characteristic of toxicity for cadmium based on the TCLP in SW846	☐	A
2	D007	Wastes that exhibit the characteristic of toxicity for chromium based on the TCLP in SW846	☐	A
3	D008	Wastes that exhibit the characteristic of toxicity for lead based on the TCLP in SW846	☐	A
4	D018		☒	A

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☒

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Hoffman Title Waste Characterization Specialist Date 8/24/09

Form A1
Page 1 of 2

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM
(PHASE IV)

Generator Name: US Department of Energy (Paducah Site) | Manifest Doc. No.: 01754760JJK
Profile No.: 09-03-016 (WID 109172-01) | State Manifest No.: NA

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
5	D019		☒	A
6	D021		☒	A
7	D022		☒	A
8	D026		☒	A
9	D027		☒	A
10	D028		☒	A
11	D029		☒	A
12	D030		☒	A
13	D032		☒	A
14	D033		☒	A
15	D034		☒	A
16	D035		☒	A
17	D036		☒	A
18	D037		☒	A
19	D038		☒	A
20	D039		☒	A
21	D040		☒	A
22	D041		☒	A
23	D042		☒	A
24	D043		☒	A
25	F002		☒	A
26			☐	
27			☐	
28			☐	
29			☐	
30			☐	
31			☐	
32			☐	
33			☐	
34			☐	
35			☐	

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature: Steve Hoffman

Title: Waste Characterization Specialist Date: 8/24/09

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV)

Generator Name: US Department of Energy (Paducah Site) | Manifest Doc. No.: 01754760JJK

Profile No.: 09-03-016 (WID 109172-01) | State Manifest No.: NA

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
36			☐	
37			☐	
38			☐	
39			☐	
40			☐	
41			☐	
42			☐	
43			☐	
44			☐	
45			☐	
46			☐	
47			☐	
48			☐	
49			☐	
50			☐	
51			☐	
52			☐	
53			☐	
54			☐	
55			☐	
56			☐	
57			☐	
58			☐	
59			☐	
60			☐	
61			☐	
62			☐	
63			☐	
64			☐	
65			☐	

NOT APPLICABLE SH 6/24/09

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature_____

Title_____ Date_____

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS) (Phase IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 01754760JJK

Profile No.: 09-03-016 (WID 109172-01) State Manifest No.: NA

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene	A	0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene	A	0.059	3.4	Chlorodibromomethane	A	0.057	15
Acetone	A	0.28	160	Chloroethane	A	0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane	A	0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether	A	0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein	A	0.29	NA	bis(2-Chloroisopropyl)ether	A	0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol	A	0.018	14
Acrylonitrile	A	0.24	84	2-Chloroethyl vinyl ether	A	0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride	A	0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene	A	0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol	A	0.044	5.7
Aniline	A	0.81	14	3-Chloropropylene		0.036	30
Anthracene	A	0.059	3.4	Chrysene	A	0.059	3.4
Aramite		0.36	NA	o-Cresol		0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol		0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol		0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene	A	0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]	A	0.11	6.8	Dibenz(a,h)anthracene	A	0.055	8.2
Benzo(k)fluoranthene[3]	A	0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene	A	0.0055	1.8	1,2-Dibromo-3-chloropropane	A	0.11	15
Benzo(a)pyrene	A	0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide	A	0.028	15
Bromodichloromethane	A	0.35	15	Dibromomethane	A	0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene	A	0.036	6.0
4-Bromophenyl phenyl ether	A	0.055	15	o-Dichlorobenzene	A	0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane	A	0.23	7.2
Butyl benzyl phthalate	A	0.017	28	1,1-Dichloroethane	A	0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene	A	0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol	A	0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide	A	3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane	A	0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene	A	0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene	A	0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate	A	0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol	A	0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate	A	0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate	A	0.057	28	Methyl isobutyl ketone	A	0.14	33
1,4-Dinitrobenzene	A	0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol	A	0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate	A	0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene	A	0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]	A	0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol	A	0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol	A	0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine	A	0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene	A	0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate	A	0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)	A	0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene	A	0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene	A	0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol		0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene	A	0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol	A	0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene	A	0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane	A	0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene	A	0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane	A	0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane	A	0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony	A	1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene	A	0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium		1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene	A	0.055	19	Cadmium		0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane	A	0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane	A	0.054	6.0	Chromium (Total)		2.77	0.60 mg/l TCLP[4]
Trichloroethylene		0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane	A	0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol		0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead		0.69	0.75 mg/l[4]
1,2,3-Trichloropropane	A	0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane	A	0.057	30	Mercury (All others)	A	0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel		3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene	A	0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver	A	0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium	A	1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[3]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No. : 01754760JJK

Profile No.: 09-03-016 (WID 107427-01) State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☐ Wastewater ☒
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D001	Ignitable Characteristic Wastes, except for the High TOC Subcategory	☐	A
2	D004	Wastes that exhibit the characteristic of toxicity for arsenic based upon the TCLP in SW846	☐	A
3	D005	Wastes that exhibit the characteristic of toxicity for barium based upon the TCLP in SW846	☐	A
4	D006	Wastes that exhibit the characteristic of toxicity for cadmium based upon the TCLP in SW846	☐	A

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☒

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Hoffman Title Waste Characterization Specialist Date 8/24/09

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then th underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]

F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM
(PHASE IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 01754760JJK
Profile No.: 09-03-016 (WID 107427-01) State Manifest No.: NA

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
5	D007	Wastes that exhibit the characteristic of toxicity for chromium based upon the TCLP in SW846	☐	A
6	D008	Wastes that exhibit the characteristic of toxicity for lead based upon the TCLP in SW846	☐	A
7	D009	All D009 wastewaters	☐	A
8	D010	Wastes that exhibit the characteristic of toxicity for selenium based upon the TCLP in SW846	☐	A
9	D011	Wastes that exhibit the characteristic of toxicity for silver based upon the TCLP in SW846	☐	A
10	D018		☒	A
11	D022		☒	A
12	D028		☒	A
13	D030		☒	A
14	D032		☒	A
15	D033		☒	A
16	D037		☒	A
17	D039		☒	A
18	D043		☒	A
19	F001		☒	A
20	F002		☒	A
21	F003		☒	A
22	F005		☒	A
23	F007		☒	A
24	F008		☒	A
25	F039		☒	A
26	U002		☒	A
27	U052		☒	A
28	U075		☒	A
29	U080		☒	A
30	U154		☒	A
31	U159		☒	A
32	U211		☒	A
33	U226		☒	A
34	U227		☒	A
35	U228		☒	A

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steven Heffron

Title Waste Characterization Specialist Date 8/24/09

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV)

Generator Name	US Department of Energy (Paducah Site)	Manifest Doc. No.	01754760JJK
Profile No.	09-03-016 (WID 107427-01)	State Manifest No.:	NA

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
36			☐	
37			☐	
38			☐	
39			☐	
40			☐	
41			☐	
42			☐	
43			☐	
44			☐	
45			☐	
46			☐	
47			☐	
48			☐	
49			☐	
50			☐	
51			☐	
52			☐	
53			☐	
54			☐	
55			☐	
56			☐	
57			☐	
58			☐	
59			☐	
60			☐	
61			☐	
62			☐	
63			☐	
64			☐	
65			☐	

NOT APPLICABLE 8/24/09 54

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature_____

Title_____ Date_____

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS) (Phase IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No. 01754760JJK
Profile No. 09-03-016 (WID 107427-01) State Manifest No.: NA

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane	A	0.057	15
Acetone		0.28	160	Chloroethane	A	0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein	A	0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol	A	0.018	14
Acrylonitrile	A	0.24	84	2-Chloroethyl vinyl ether	A	0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride	A	0.19	30
Aldrin	A	0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol		0.11	5.6
alpha-(BHC)	A	0.00014	0.066	m-Cresol		0.77	5.6
beta-(BHC)	A	0.00014	0.066	p-Cresol		0.77	5.6
delta-(BHC)	A	0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)	A	0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD	A	0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE	A	0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT	A	0.0039	0.087
Benzo(b)fluoranthene[3]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene	A	0.0055	1.8	1,2-Dibromo-3-chloropropane	A	0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide	A	0.028	15
Bromodichloromethane	A	0.35	15	Dibromomethane	A	0.11	15
Bromomethane/Methyl Bromide	A	0.11	15	m-Dichlorobenzene	A	0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene	A	0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene	A	0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane	A	0.23	7.2
Butyl benzyl phthalate	A	0.017	28	1,1-Dichloroethane	A	0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb	A	0.066	2.5	1,2-Dichloroethane	A	0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene	A	0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D	A	0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene	A	0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene	A	0.036	18
p-Chloroaniline		0.46	16	Dieldrin	A	0.017	0.13
Chlorobenzene	A	0.057	6.0	Diethyl phthalate		0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone	A	0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol	A	0.12	160	Methyl parathion	A	0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate	A	0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene	A	0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline	A	0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton	A	0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol	A	0.028[1]	13[1]
Endosulfan I	A	0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II	A	0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate	A	0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin	A	0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde	A	0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene	A	0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion	A	0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)	A	0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur	A	0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor	A	0.0012	0.066	Pentachlorophenol		0.089	7.4
Heptachlor epoxide	A	0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene	A	0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate	A	0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene	A	0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane	A	0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin	A	0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone	A	0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine	A	0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP	A	0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor	A	0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane	A	0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane	A	0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony		1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene	A	0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene	A	0.0095	2.6	Barium		1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene	A	0.055	19	Cadmium		0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.60 mg/l TCLP[4]
Trichloroethylene		0.054	6.0	Cyanides (Total)	A	1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)	A	0.86	30[1]
2,4,5-Trichlorophenol		0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T	A	0.72	7.9	Lead		0.69	0.75 mg/l[4]
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane	A	0.057	30	Mercury (All others)		0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel	A	3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene	A	0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver		0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium		1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No. : 01754760JJK

Profile No.: 09-03-012 (WID 4799) State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D007	TCLP chromium	☐	A
2	D018		☒	A
3	D019		☒	A
4	D028		☒	A

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☒

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Hoffman Title Waste Characterization Specialist Date 8/24/09

Form A1
Page 1 of 2

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then th underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM
(PHASE IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 01754760JJK
Profile No.: 09-03-012 (WID 4799) State Manifest No.: NA

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
5	D029		☒	A
6	D039		☒	A
7	D040		☒	A
8	D043		☒	A
9			☐	
10			☐	
11			☐	
12			☐	
13			☐	
14			☐	
15			☐	
16			☐	
17			☐	
18			☐	
19			☐	
20			☐	
21			☐	
22			☐	
23			☐	
24			☐	
25			☐	
26			☐	
27			☐	
28			☐	
29			☐	
30			☐	
31			☐	
32			☐	
33			☐	
34			☐	
35			☐	

I hereby certify that all information submitted in this and all associated documents is complete and accurate; to the best of my knowledge and information:

Signature Steve Heffron

Title Waste Characterization Specialist Date 8/24/09

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV)

Generator Name	US Department of Energy (Paducah Site)	Manifest Doc. No.	01754760JJK
Profile No.	09-03-012 (WID 4799)	State Manifest No.:	NA

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
36			☐	
37			☐	
38			☐	
39			☐	
40			☐	
41			☐	
42			☐	
43			☐	
44			☐	
45			☐	
46			☐	
47			☐	
48			☐	
49			☐	
50			☐	
51			☐	
52			☐	
53			☐	
54			☐	
55			☐	
56			☐	
57			☐	
58			☐	
59			☐	
60			☐	
61			☐	
62			☐	
63			☐	
64			☐	
65			☐	

Not Applicable
SH 6/24/09

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature_____

Title_____ Date_____

Form A2
Page 2 of 2

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS) (Phase IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 01754760JJK
Profile No.: 09-03-012 (WID 4799) State Manifest No.: NA

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol	A	0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol	A	0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol	A	0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)		0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol	A	0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony	A	1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium		1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium	A	0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium	A	0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.60 mg/l TCLP[4]
Trichloroethylene		0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol	A	0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead	A	0.69	0.75 mg/l[4]
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)	A	0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel		3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver	A	0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium	A	1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No. : 01754760JJK

Profile No.: 09-05-021 (WID 120268-01) State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D001	High TOC Ignitable Characteristic Liquids	☐	A
2	D002	Corrosive Characteristic Wastes	☐	A
3	F003		☒	A
4	U154		☒	A

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Hoffman Title Waste Characterization Specialist Date 8/24/09

Form A1
Page 1 of 2

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then th underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS) (Phase IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 01754760JJK
Profile No.: 09-05-021 (WID 120268-01) State Manifest No.: NA

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol		0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol		0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol		0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)	A	0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol		0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony		1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium		1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium		0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.60 mg/l TCLP[4]
Trichloroethylene		0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol		0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead		0.69	0.75 mg/l[4]
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)		0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel		3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver		0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium		1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No. : 01754760JJK

Profile No.: 09-03-017 (WIDs 108900-02, I08900-04) State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D006	TCLP Cadmium	☐	A
2	D007	TCLP Chromium	☐	A
3	D008	TCLP Lead	☐	A
4	D009	Low Mercury Subcategory-Not from RMERC	☐	A

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☒

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Hoffman Title **Waste Characterization Specialist** Date 8/24/09

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then th underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]

F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

Not Applicable SH 6/24/09

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM
(PHASE IV)

Generator Name: US Department of Energy (Paducah Site) | Manifest Doc. No.: 01754760JJK
Profile No.: 09-03-017 (WIDs 108900-02, I08900-04) | State Manifest No.: NA

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
5	D011	TCLP Silver	☐	A
6	D027		☒	A
7	D030		☒	A
8	D032		☒	A
9	D033		☒	A
10	D034		☒	A
11	D036		☒	A
12	D038		☒	A
13	D042		☒	A
14			☐	
15			☐	
16			☐	
17			☐	
18			☐	
19			☐	
20			☐	
21			☐	
22			☐	
23			☐	
24			☐	
25			☐	
26			☐	
27			☐	
28			☐	
29			☐	
30			☐	
31			☐	
32			☐	
33			☐	
34			☐	
35			☐	

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature: Steve Hoffman
Title: **Waste Characterization Specialist** Date: 8/24/09

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV)

Generator Name	US Department of Energy (Paducah Site)	Manifest Doc. No.	01754760JJK
Profile No.	09-03-017 (WIDs 108900-02, I08900-04)	State Manifest No.:	NA

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
36			☐	
37			☐	
38			☐	
39			☐	
40			☐	
41			☐	
42			☐	
43			☐	
44			☐	
45			☐	
46			☐	
47			☐	
48			☐	
49			☐	
50			☐	
51			☐	
52			☐	
53			☐	
54			☐	
55			☐	
56			☐	
57			☐	
58			☐	
59			☐	
60			☐	
61			☐	
62			☐	
63			☐	
64			☐	
65			☐	

NOT APPLICABLE
8/24/09
SH

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature_____

Title_____ Date_____

Form A2
Page 2 of 2

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS) (Phase IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 01754760JJK
Profile No.: 09-03-017 (WIDs 108900-02, I08900-04) State Manifest No.: NA

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol	A	0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol	A	0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol	A	0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)	A	0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol	A	0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony	A	1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium		1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium	A	0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium		0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.60 mg/l TCLP[4]
Trichloroethylene		0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol	A	0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead		0.69	0.75 mg/l[4]
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)		0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel		3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver		0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium	A	1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No. : 01754760JJK

Profile No.: 09-08-024 (WID 5029) State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D006	Wastes that exhibit a Toxicity Characteristic for cadmium based upon TCLP in SW846	☐	A
2	D007	Wastes that exhibit a Toxicity Characteristic for chromium based upon TCLP in SW846	☐	A
3	D008	Wastes that exhibit a Toxicity Characteristic for lead based upon TCLP in SW846	☐	A
4	D011	Wastes that exhibit a Toxicity Characteristic for silver based upon TCLP in SW846	☐	A

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature: Steve Hoffman Title: Waste Characterization Specialist Date: 8/24/09

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then th underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

A21 BALE

SH 8/24/09

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS) (Phase IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 01754760JJK

Profile No.: 09-08-024 (WID 5029) State Manifest No.: NA

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform	A	0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol	A	0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol	A	0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol	A	0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene	A	0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene	A	0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane	A	0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene	A	0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride	A	0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene	A	0.057	6.0	Diethyl phthalate		0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone	A	0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene	A	0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene	A	0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)		0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol	A	0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene	A	0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene	A	0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane	A	0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine	A	0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene	A	0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony	A	1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium		1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium		0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.60 mg/l TCLP[4]
Trichloroethylene	A	0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol	A	0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol	A	0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead		0.69	0.75 mg/l[4]
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)	A	0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel		3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride	A	0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver		0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium	A	1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No. : 01754760JJK

Profile No.: 09-08-023 (WIDs 104427-01, 104427-02) State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D008	Wastes that exhibit a Toxicity Characteristic for lead based upon the TCLP procedure in SW846	☐	A
2	D030		☒	A
3	D032		☒	A
4	D033		☒	A

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☒

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Hoffman Title Waste Characterization Specialist Date 8/24/09

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then th underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM
(PHASE IV)

Generator Name: US Department of Energy (Paducah Site) | Manifest Doc. No.: 01754760JJK
Profile No.: 09-08-023 (WIDs 104427-01, 104427-02) | State Manifest No.: NA

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
5	D034		☒	A
6	D036		☒	A
7	D038		☒	A
8	D042		☒	A
9			☐	
10			☐	
11			☐	
12			☐	
13			☐	
14			☐	
15			☐	
16			☐	
17			☐	
18			☐	
19			☐	
20			☐	
21			☐	
22			☐	
23			☐	
24			☐	
25			☐	
26			☐	
27			☐	
28			☐	
29			☐	
30			☐	
31			☐	
32			☐	
33			☐	
34			☐	
35			☐	

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature: Steve Hoffman

Title: Waste Characterization Specialist Date: 8/24/09

WSD-F-0087 (07/30/09)
PRS-WSD-0437

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV)

Generator Name	US Department of Energy (Paducah Site)	Manifest Doc. No.	01754760JJK
Profile No.	09-08-023 (WIDs 104427-01, 104427-02)	State Manifest No.:	NA

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE. DESCRIPTION	NONE	5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
36			☐	
37			☐	
38			☐	
39			☐	
40			☐	
41			☐	
42			☐	
43			☐	
44			☐	
45			☐	
46			☐	
47			☐	
48			☐	
49			☐	
50			☐	
51			☐	
52			☐	
53			☐	
54			☐	
55			☐	
56			☐	
57			☐	
58			☐	
59			☐	
60			☐	
61			☐	
62			☐	
63			☐	
64			☐	
65			☐	

Not Applicable
8/24/09
Sit

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature_____

Title_____ Date_____

Form A2
Page 2 of 2

WSD-F-0087 (07/30/09)
PRS-WSD-0437

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS) (Phase IV)

Generator Name: US Department of Energy (Paducah Site) | Manifest Doc. No.: 01754760JJK
Profile No.: 09-08-023 (WIDs 104427-01, 104427-02) | State Manifest No.: NA

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene	A	0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene	A	0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether	A	0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene	A	0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol	A	0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene	A	0.059	3.4	Chrysene	A	0.059	3.4
Aramite		0.36	NA	o-Cresol	A	0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol		0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol	A	0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene	A	0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]	A	0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]	A	0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene	A	0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene	A	0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene	A	0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene	A	0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene	A	0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2,6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene	A	0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine	A	0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)		0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene	A	0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene	A	0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol		0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene	A	0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol	A	0.039	6.2
Hexachlorocyclopentadiene	A	0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene	A	0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene	A	0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony	A	1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium	A	1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium	A	0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium		0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.60 mg/l TCLP[4]
Trichloroethylene		0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol		0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead		0.69	0.75 mg/l[4]
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)		0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel	A	3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene	A	0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver		0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium	A	1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No. : 01754760JJK

Profile No.: 09-08-022 (WIDs 100357-01, 100368-01, 104832-01, 108284-01) State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	F001		☒	A
2	F002		☒	A
3	U228		☒	A
4			☐	

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☐
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Hoffman Title Waste Characterization Specialist Date 8/24/09

WSD-F-0087 (07/30/09)
PRS-WSD-0437

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No. : 01754760JJK

Profile No.: 09-03-013 (WIDs 108186-01, 108186-02, 108146-01, 109609-01) State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	F002		☒	A
2	D006	Wastes that exhibit a toxicity characteristic for cadmium based upon the TCLP in SW846	☐	A
3	D008	Wastes that exhibit a toxicity characteristic for lead based upon the TCLP in SW846	☐	A
4	D018		☒	A

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Iffrig Title Waste Characterization Specialist Date 8/24/09

WSD-F-0087 (07/30/09)
PRS-WSD-0437

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

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o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
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[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

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B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS) (Phase IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 01754760JJK

Profile No.: 09-03-013 (WIDs 108186-01, 108186-02, 108146-01, 109609-01) State Manifest No.: NA

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol		0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol		0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol		0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)		0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol		0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

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Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony	A	1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium	A	1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium		0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)	A	2.77	0.60 mg/l TCLP[4]
Trichloroethylene		0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol		0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead		0.69	0.75 mg/l[4]
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)	A	0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel		3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver	A	0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium	A	1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 01754760JJK

Profile No.: 09-08-021 (WID 118332-01) State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039 multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic a meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	U228		☒	A
2			☐	
3			☐	
4			☐	

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☐
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the la disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deeme to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good fait efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. Thi decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Hoffman Title Waste Characterization Specialist Date 8/24/09

Form A1
Page 1 of 2

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents wi not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previou page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

NOT APPLICABLE
4/24/09

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 1 the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No. : 01754760JJK

Profile No.: 09-03-019 (WID 123116-01) State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039 multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE. DESCRIPTION	NONE	5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
1	D001	High TOC Ignitable Characteristic Liquids	☐	A
2	D004	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for arsenic based on the TCLP in SW846	☐	A
3	D006	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for cadmium based on the TCLP in SW846	☐	A
4	D008	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for lead based on the TCLP in SW846	☐	A

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☒

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the la disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deem to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good fai efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. Th decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complet I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Heffran Title Waste Characterization Specialist Date 8/24/09

Form A1
Page 1 of 2

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents wil not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, ther underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 1 the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM
(PHASE IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 01754760JJK
Profile No.: 09-03-019 (WID 123116-01) State Manifest No.: NA

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identi the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how t waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
5	D018		☐	A
6	F003		☐	A
7	F005		☐	A
8			☐	
9			☐	
10			☐	
11			☐	
12			☐	
13			☐	
14			☐	
15			☐	
16			☐	
17			☐	
18			☐	
19			☐	
20			☐	
21			☐	
22			☐	
23			☐	
24			☐	
25			☐	
26			☐	
27			☐	
28			☐	
29			☐	
30			☐	
31			☐	
32			☐	
33			☐	
34			☐	
35			☐	

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Huffman

Title Waste Characterization Specialist Date 8/24/09

Form A2
Page 1 of 2

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV)

Generator Name	US Department of Energy (Paducah Site)	Manifest Doc. No.	01754760JJK
Profile No.	09-03-019 (WID 123116-01)	State Manifest No.:	NA

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE. DESCRIPTION	NONE	5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
36			☐	
37			☐	
38			☐	
39			☐	
40			☐	
41			☐	
42			☐	
43			☐	
44			☐	
45			☐	
46			☐	
47			☐	
48			☐	
49			☐	
50			☐	
51			☐	
52			☐	
53			☐	
54			☐	
55			☐	
56			☐	
57			☐	
58			☐	
59			☐	
60			☐	
61			☐	
62			☐	
63			☐	
64			☐	
65			☐	

NOT APPLICABLE 8/24/09 SH

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature_____

Title_____ Date_____

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS) (Phase IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 01754760JJK

Profile No.: 09-03-019 (WID 123116-01) State Manifest No.: NA

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C th corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 4(CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 1 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform	A	0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol	A	0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol	A	0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol	A	0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene	A	0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane	A	0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene	A	0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride	A	0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene	A	0.057	6.0	Diethyl phthalate		0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone	A	0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene	A	0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene	A	0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)	A	0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol	A	0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene	A	0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene	A	0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane	A	0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine	A	0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene	A	0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony	A	1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium		1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium		0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)	A	2.77	0.60 mg/l TCLP[4]
Trichloroethylene	A	0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol	A	0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol	A	0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead		0.69	0.75 mg/l[4]
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)	A	0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel		3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride	A	0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver	A	0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium	A	1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No. : 01754760JJK

Profile No.: 09-03-018 (WIDs 109607-01, 109607-02, 109607-03, 109607-04, 120273-01) State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039 multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic a meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D001	High TOC Ignitable Characteristic Liquids	☐	A
2	D018		☒	A
3			☐	
4			☐	

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the lar disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deeme to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good fait efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. Thi decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Huffman Title **Waste Characterization Specialist** Date 8/24/09

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents w not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previou page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]

F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

NOT APPLICABLE SH 9/24/98

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 1(the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS) (Phase IV)

Generator Name: US Department of Energy (Paducah Site) | Manifest Doc. No.: 01754760JJK
Profile No.: 09-03-018 (WIDs 109607-01, 109607-02, 109607-03, 109607-04, 120273-01) | State Manifest No.: NA

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C tha corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 1 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol		0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol		0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol		0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene	A	0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene	A	0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)		0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene	A	0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol		0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene	A	0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony		1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene	A	0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium		1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium		0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.60 mg/l TCLP[4]
Trichloroethylene		0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol		0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead		0.69	0.75 mg/l[4]
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)		0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel		3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene	A	0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver		0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium		1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 01754760JJK

Profile No.: 09-03-016 (WID 109172-01) State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039 multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D006	Wastes that exhibit the characteristic of toxicity for cadmium based on the TCLP in SW846	☐	A
2	D007	Wastes that exhibit the characteristic of toxicity for chromium based on the TCLP in SW846	☐	A
3	D008	Wastes that exhibit the characteristic of toxicity for lead based on the TCLP in SW846	☐	A
4	D018		☒	A

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☒

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the la disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deeme to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good fait efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Hoffman Title Waste Characterization Specialist Date 8/24/09

Form A1
Page 1 of 2

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents wi not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previou page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, ther underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	.10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10 the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM
(PHASE IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 01754760JJK
Profile No.: 09-03-016 (WID 109172-01) State Manifest No.: NA

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Lan Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, iden the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
5	D019		☒	A
6	D021		☒	A
7	D022		☒	A
8	D026		☒	A
9	D027		☒	A
10	D028		☒	A
11	D029		☒	A
12	D030		☒	A
13	D032		☒	A
14	D033		☒	A
15	D034		☒	A
16	D035		☒	A
17	D036		☒	A
18	D037		☒	A
19	D038		☒	A
20	D039		☒	A
21	D040		☒	A
22	D041		☒	A
23	D042		☒	A
24	D043		☒	A
25	F002		☒	A
26			☐	
27			☐	
28			☐	
29			☐	
30			☐	
31			☐	
32			☐	
33			☐	
34			☐	
35			☐	

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Hoffman

Title Waste Characterization Specialist Date 8/24/09

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV)

Generator Name	US Department of Energy (Paducah Site)	Manifest Doc. No.	01754760JJK
Profile No.	09-03-016 (WID 109172-01)	State Manifest No.:	NA

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE. DESCRIPTION	NONE	5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
36			☐	
37			☐	
38			☐	
39			☐	
40			☐	
41			☐	
42			☐	
43			☐	
44			☐	
45			☐	
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59			☐	
60			☐	
61			☐	
62			☐	
63			☐	
64			☐	
65			☐	

NOT APPLICABLE
SH 6/24/09

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature_____

Title_____ Date_____

Form A2
Page 2 of 2

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS) (Phase IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 01754760JJK

Profile No.: 09-03-016 (WID 109172-01) State Manifest No.: NA

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C th corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 4(CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 1 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene	A	0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene	A	0.059	3.4	Chlorodibromomethane	A	0.057	15
Acetone	A	0.28	160	Chloroethane	A	0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane	A	0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether	A	0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein	A	0.29	NA	bis(2-Chloroisopropyl)ether	A	0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol	A	0.018	14
Acrylonitrile	A	0.24	84	2-Chloroethyl vinyl ether	A	0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride	A	0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene	A	0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol	A	0.044	5.7
Aniline	A	0.81	14	3-Chloropropylene		0.036	30
Anthracene	A	0.059	3.4	Chrysene	A	0.059	3.4
Aramite		0.36	NA	o-Cresol		0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol		0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol		0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene	A	0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]	A	0.11	6.8	Dibenz(a,h)anthracene	A	0.055	8.2
Benzo(k)fluoranthene[3]	A	0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene	A	0.0055	1.8	1,2-Dibromo-3-chloropropane	A	0.11	15
Benzo(a)pyrene	A	0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide	A	0.028	15
Bromodichloromethane	A	0.35	15	Dibromomethane	A	0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene	A	0.036	6.0
4-Bromophenyl phenyl ether	A	0.055	15	o-Dichlorobenzene	A	0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane	A	0.23	7.2
Butyl benzyl phthalate	A	0.017	28	1,1-Dichloroethane	A	0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene	A	0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol	A	0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide	A	3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane	A	0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene	A	0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene	A	0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate	A	0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol	A	0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate	A	0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate	A	0.057	28	Methyl isobutyl ketone	A	0.14	33
1,4-Dinitrobenzene	A	0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol	A	0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate	A	0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene	A	0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]	A	0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol	A	0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol	A	0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine	A	0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene	A	0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate	A	0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)	A	0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene	A	0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene	A	0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol		0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene	A	0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol	A	0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene	A	0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane	A	0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene	A	0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane	A	0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane	A	0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony	A	1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene	A	0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium		1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene	A	0.055	19	Cadmium		0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane	A	0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane	A	0.054	6.0	Chromium (Total)		2.77	0.60 mg/l TCLP[4]
Trichloroethylene		0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane	A	0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol		0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead		0.69	0.75 mg/l[4]
1,2,3-Trichloropropane	A	0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane	A	0.057	30	Mercury (All others)	A	0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel		3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene	A	0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver	A	0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium	A	1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 01754760JJK

Profile No.: 09-03-016 (WID 107427-01) State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☐ Wastewater ☒
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE. DESCRIPTION	NONE	5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
1	D001	Ignitable Characteristic Wastes, except for the High TOC Subcategory	☐	A
2	D004	Wastes that exhibit the characteristic of toxicity for arsenic based upon the TCLP in SW846	☐	A
3	D005	Wastes that exhibit the characteristic of toxicity for barium based upon the TCLP in SW846	☐	A
4	D006	Wastes that exhibit the characteristic of toxicity for cadmium based upon the TCLP in SW846	☐	A

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☒

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Hoffman Title Waste Characterization Specialist Date 8/24/09

Form A1
Page 1 of 2

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then t underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM
(PHASE IV)

Generator Name: US Department of Energy (Paducah Site) | Manifest Doc. No.: 01754760JJK
Profile No.: 09-03-016 (WID 107427-01) | State Manifest No.: NA

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
5	D007	Wastes that exhibit the characteristic of toxicity for chromium based upon the TCLP in SW846	☐	A
6	D008	Wastes that exhibit the characteristic of toxicity for lead based upon the TCLP in SW846	☐	A
7	D009	All D009 wastewaters	☐	A
8	D010	Wastes that exhibit the characteristic of toxicity for selenium based upon the TCLP in SW846	☐	A
9	D011	Wastes that exhibit the characteristic of toxicity for silver based upon the TCLP in SW846	☐	A
10	D018		☒	A
11	D022		☒	A
12	D028		☒	A
13	D030		☒	A
14	D032		☒	A
15	D033		☒	A
16	D037		☒	A
17	D039		☒	A
18	D043		☒	A
19	F001		☒	A
20	F002		☒	A
21	F003		☒	A
22	F005		☒	A
23	F007		☒	A
24	F008		☒	A
25	F039		☒	A
26	U002		☒	A
27	U052		☒	A
28	U075		☒	A
29	U080		☒	A
30	U154		☒	A
31	U159		☒	A
32	U211		☒	A
33	U226		☒	A
34	U227		☒	A
35	U228		☒	A

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature: Steven Heffron

Title: Waste Characterization Specialist

Date: 8/24/09

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV)

Generator Name	US Department of Energy (Paducah Site)	Manifest Doc. No.	01754760JJK
Profile No.	09-03-016 (WID 107427-01)	State Manifest No.:	NA

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
36			☐	
37			☐	
38			☐	
39			☐	
40			☐	
41			☐	
42			☐	
43			☐	
44			☐	
45			☐	
46			☐	
47			☐	
48			☐	
49			☐	
50			☐	
51			☐	
52			☐	
53			☐	
54			☐	
55			☐	
56			☐	
57			☐	
58			☐	
59			☐	
60			☐	
61			☐	
62			☐	
63			☐	
64			☐	
65			☐	

NOT APPLICABLE
SH 8/24/09

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature_____

Title_____ Date_____

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS) (Phase IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 01754760JJK
Profile No.: 09-03-016 (WID 107427-01) State Manifest No.: NA

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane	A	0.057	15
Acetone		0.28	160	Chloroethane	A	0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein	A	0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol	A	0.018	14
Acrylonitrile	A	0.24	84	2-Chloroethyl vinyl ether	A	0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride	A	0.19	30
Aldrin	A	0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol		0.11	5.6
alpha-(BHC)	A	0.00014	0.066	m-Cresol		0.77	5.6
beta-(BHC)	A	0.00014	0.066	p-Cresol		0.77	5.6
delta-(BHC)	A	0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)	A	0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD	A	0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE	A	0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT	A	0.0039	0.087
Benzo(b)fluoranthene[3]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene	A	0.0055	1.8	1,2-Dibromo-3-chloropropane	A	0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide	A	0.028	15
Bromodichloromethane	A	0.35	15	Dibromomethane	A	0.11	15
Bromomethane/Methyl Bromide	A	0.11	15	m-Dichlorobenzene	A	0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene	A	0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene	A	0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane	A	0.23	7.2
Butyl benzyl phthalate	A	0.017	28	1,1-Dichloroethane	A	0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb	A	0.066	2.5	1,2-Dichloroethane	A	0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene	A	0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D	A	0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene	A	0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene	A	0.036	18
p-Chloroaniline		0.46	16	Dieldrin	A	0.017	0.13
Chlorobenzene	A	0.057	6.0	Diethyl phthalate		0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone	A	0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol	A	0.12	160	Methyl parathion	A	0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate	A	0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene	A	0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline	A	0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton	A	0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol	A	0.028[1]	13[1]
Endosulfan I	A	0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II	A	0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate	A	0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin	A	0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde	A	0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene	A	0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion	A	0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)	A	0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur	A	0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor	A	0.0012	0.066	Pentachlorophenol		0.089	7.4
Heptachlor epoxide	A	0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene	A	0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate	A	0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene	A	0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane	A	0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin	A	0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone	A	0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine	A	0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP	A	0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor	A	0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane	A	0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane	A	0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony		1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene	A	0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene	A	0.0095	2.6	Barium		1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene	A	0.055	19	Cadmium		0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.60 mg/l TCLP[4]
Trichloroethylene		0.054	6.0	Cyanides (Total)	A	1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)	A	0.86	30[1]
2,4,5-Trichlorophenol		0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T	A	0.72	7.9	Lead		0.69	0.75 mg/l[4]
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane	A	0.057	30	Mercury (All others)		0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel	A	3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene	A	0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver		0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium		1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 01754760JJK

Profile No.: 09-03-012 (WID 4799) State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039 multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D007	TCLP chromium	☐	A
2	D018		☒	A
3	D019		☒	A
4	D028		☒	A

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☒

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the la disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deeme to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good fait efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. Thi decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complet I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Hoffman Title Waste Characterization Specialist Date 8/24/09

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents w not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previou page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]

F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 1(the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM
(PHASE IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 01754760JJK
Profile No.: 09-03-012 (WID 4799) State Manifest No.: NA

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
5	D029		☒	A
6	D039		☒	A
7	D040		☒	A
8	D043		☒	A
9			☐	
10			☐	
11			☐	
12			☐	
13			☐	
14			☐	
15			☐	
16			☐	
17			☐	
18			☐	
19			☐	
20			☐	
21			☐	
22			☐	
23			☐	
24			☐	
25			☐	
26			☐	
27			☐	
28			☐	
29			☐	
30			☐	
31			☐	
32			☐	
33			☐	
34			☐	
35			☐	

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Heffron

Title Waste Characterization Specialist Date 8/24/09

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV)

Generator Name	US Department of Energy (Paducah Site)	Manifest Doc. No.	01754760JJK
Profile No.	09-03-012 (WID 4799)	State Manifest No.:	NA

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Lan Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, iden the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
36			☐	
37			☐	
38			☐	
39			☐	
40			☐	
41			☐	
42			☐	
43			☐	
44			☐	
45			☐	
46			☐	
47			☐	
48			☐	
49			☐	
50			☐	
51			☐	
52			☐	
53			☐	
54			☐	
55			☐	
56			☐	
57			☐	
58			☐	
59			☐	
60			☐	
61			☐	
62			☐	
63			☐	
64			☐	
65			☐	

NOT APPLICABLE
SH 8/24/09

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature_____

Title_____ Date_____

Form A2
Page 2 of 2

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS) (Phase IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 01754760JJK
Profile No.: 09-03-012 (WID 4799) State Manifest No.: NA

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C th corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 4 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol	A	0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol	A	0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol	A	0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1;3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)		0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol	A	0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony	A	1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium		1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium	A	0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium	A	0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.60 mg/l TCLP[4]
Trichloroethylene		0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol	A	0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead	A	0.69	0.75 mg/l[4]
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)	A	0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel		3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver	A	0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium	A	1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No. : 01754760JJK

Profile No.: 09-05-021 (WID 120268-01) State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic a meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D001	High TOC Ignitable Characteristic Liquids	☐	A
2	D002	Corrosive Characteristic Wastes	☐	A
3	F003		☒	A
4	U154		☒	A

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the lan disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deeme to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Hoffman Title Waste Characterization Specialist Date 8/24/09

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents wi not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previou page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, ther underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 1 the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS) (Phase IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 01754760JJK
Profile No.: 09-05-021 (WID 120268-01) State Manifest No.: NA

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C th corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 4 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol		0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol		0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol		0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)	A	0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol		0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony		1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium		1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium		0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.60 mg/l TCLP[4]
Trichloroethylene		0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol		0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead		0.69	0.75 mg/l[4]
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)		0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel		3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver		0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium		1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No. : 01754760JJK

Profile No.: 09-03-017 (WIDs 108900-02, I08900-04) State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039 multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic a meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D006	TCLP Cadmium	☐	A
2	D007	TCLP Chromium	☐	A
3	D008	TCLP Lead	☐	A
4	D009	Low Mercury Subcategory-Not from RMERC	☐	A

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☒

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the lar disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deeme to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good fait efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Hoffman Title **Waste Characterization Specialist** Date 8/24/09

Form A1
Page 1 of 2

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents w not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previou page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 1 the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

NOT APPLICABLE SH 6/24/99

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM
(PHASE IV)

Generator Name: US Department of Energy (Paducah Site) | Manifest Doc. No.: 01754760JJK
Profile No.: 09-03-017 (WIDs 108900-02, I08900-04) | State Manifest No.: NA

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
5	D011	TCLP Silver	☐	A
6	D027		☒	A
7	D030		☒	A
8	D032		☒	A
9	D033		☒	A
10	D034		☒	A
11	D036		☒	A
12	D038		☒	A
13	D042		☒	A
14			☐	
15			☐	
16			☐	
17			☐	
18			☐	
19			☐	
20			☐	
21			☐	
22			☐	
23			☐	
24			☐	
25			☐	
26			☐	
27			☐	
28			☐	
29			☐	
30			☐	
31			☐	
32			☐	
33			☐	
34			☐	
35			☐	

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature: Steve Hoffman

Title: Waste Characterization Specialist | Date: 8/24/09

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV)

Generator Name	US Department of Energy (Paducah Site)	Manifest Doc. No.	01754760JJK
Profile No.	09-03-017 (WIDs 108900-02, I08900-04)	State Manifest No.:	NA

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
36			☐	
37			☐	
38			☐	
39			☐	
40			☐	
41			☐	
42			☐	
43			☐	
44			☐	
45			☐	
46			☐	
47			☐	
48			☐	
49			☐	
50			☐	
51			☐	
52			☐	
53			☐	
54			☐	
55			☐	
56			☐	
57			☐	
58			☐	
59			☐	
60			☐	
61			☐	
62			☐	
63			☐	
64			☐	
65			☐	

NOT APPLICABLE
8/24/09
SH

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature_____

Title_____ Date_____

WSD-F-0087 (Rev. 3)
PRS-WSD-0437

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS) (Phase IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 01754760JJK
Profile No.: 09-03-017 (WIDs 108900-02, I08900-04) State Manifest No.: NA

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C th corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 4 CFR 268.7.. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol	A	0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol	A	0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol	A	0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride.		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)	A	0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol	A	0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony	A	1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium		1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium	A	0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium		0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.60 mg/l TCLP[4]
Trichloroethylene		0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol	A	0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead		0.69	0.75 mg/l[4]
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)		0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel		3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver		0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium	A	1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No. : 01754760JJK

Profile No.: 09-08-024 (WID 5029) State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039 multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic a meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D006	Wastes that exhibit a Toxicity Characteristic for cadmium based upon TCLP in SW846	☐	A
2	D007	Wastes that exhibit a Toxicity Characteristic for chromium based upon TCLP in SW846	☐	A
3	D008	Wastes that exhibit a Toxicity Characteristic for lead based upon TCLP in SW846	☐	A
4	D011	Wastes that exhibit a Toxicity Characteristic for silver based upon TCLP in SW846	☐	A

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the lar disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deeme to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faitl efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Huffman Title Waste Characterization Specialist Date 8/24/09

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents w not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previou page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10 the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS) (Phase IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 01754760JJK

Profile No.: 09-08-024 (WID 5029) State Manifest No.: NA

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C th corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 4 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform	A	0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol	A	0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol	A	0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol	A	0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene	A	0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene	A	0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane	A	0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene	A	0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride	A	0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene	A	0.057	6.0	Diethyl phthalate		0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone	A	0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene	A	0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene	A	0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)		0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol	A	0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene	A	0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene	A	0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane	A	0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine	A	0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene	A	0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony	A	1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium		1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium		0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.60 mg/l TCLP[4]
Trichloroethylene	A	0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol	A	0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol	A	0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead		0.69	0.75 mg/l[4]
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)	A	0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel		3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride	A	0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver		0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium	A	1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 01754760JJK

Profile No.: 09-08-023 (WIDs 104427-01, 104427-02) State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039 multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic a meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D008	Wastes that exhibit a Toxicity Characteristic for lead based upon the TCLP procedure in SW846	☐	A
2	D030		☒	A
3	D032		☒	A
4	D033		☒	A

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☒

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the lar disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deeme to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good fait efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Hiffman Title Waste Characterization Specialist Date 8/24/09

Form A1
Page 1 of 2

WSD-F-0087 (07/30/09)
PRS-WSD-0437

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents w not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previou page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 1(the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM
(PHASE IV)

Generator Name: US Department of Energy (Paducah Site) | Manifest Doc. No.: 01754760JJK
Profile No.: 09-08-023 (WIDs 104427-01, 104427-02) | State Manifest No.: NA

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
5	D034		☒	A
6	D036		☒	A
7	D038		☒	A
8	D042		☒	A
9			☐	
10			☐	
11			☐	
12			☐	
13			☐	
14			☐	
15			☐	
16			☐	
17			☐	
18			☐	
19			☐	
20			☐	
21			☐	
22			☐	
23			☐	
24			☐	
25			☐	
26			☐	
27			☐	
28			☐	
29			☐	
30			☐	
31			☐	
32			☐	
33			☐	
34			☐	
35			☐	

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature: Steve Hoffman

Title: **Waste Characterization Specialist** Date: 8/24/09

Form A2
Page 1 of 2

WSD-F-0087 (07/30/09)
PRS-WSD-0437

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV)

Generator Name	US Department of Energy (Paducah Site)	Manifest Doc. No.	01754760JJK
Profile No.	09-08-023 (WIDs 104427-01, 104427-02)	State Manifest No.:	NA

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE. DESCRIPTION	NONE	5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
36			☐	
37			☐	
38			☐	
39			☐	
40			☐	
41			☐	
42			☐	
43			☐	
44			☐	
45			☐	
46			☐	
47			☐	
48			☐	
49			☐	
50			☐	
51			☐	
52			☐	
53			☐	
54			☐	
55			☐	
56			☐	
57			☐	
58			☐	
59			☐	
60			☐	
61			☐	
62			☐	
63			☐	
64			☐	
65			☐	

Not Applicable
Sit 8/24/09

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature_____

Title_____ Date_____

Form A2
Page 2 of 2

WSD-F-0087 (07/30/09)
PRS-WSD-0437

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS) (Phase IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 01754760JJK
Profile No.: 09-08-023 (WIDs 104427-01, 104427-02) State Manifest No.: NA

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C th corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 4 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene	A	0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene	A	0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether	A	0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene	A	0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol	A	0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene	A	0.059	3.4	Chrysene	A	0.059	3.4
Aramite		0.36	NA	o-Cresol	A	0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol		0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol	A	0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene	A	0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]	A	0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]	A	0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene	A	0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene	A	0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene	A	0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene	A	0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene	A	0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene	A	0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine	A	0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)		0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene	A	0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene	A	0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol		0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene	A	0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol	A	0.039	6.2
Hexachlorocyclopentadiene	A	0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene	A	0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene	A	0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony	A	1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium	A	1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium	A	0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium		0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.60 mg/l TCLP[4]
Trichloroethylene		0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol		0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead		0.69	0.75 mg/l[4]
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)		0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel	A	3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene	A	0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver		0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium	A	1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No. : 01754760JJK

Profile No.: 09-08-022 (WIDs 100357-01, 100368-01, 104832-01, 108284-01) State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039 multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic a meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	F001		☒	A
2	F002		☒	A
3	U228		☒	A
4			☐	

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☐
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the lar disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deeme to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good fait efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Hoffman Title Waste Characterization Specialist Date 8/24/09

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents w not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previou page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 1 the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No. : 01754760JJK

Profile No.: 09-03-013 (WIDs 108186-01, 108186-02, 108146-01, 109609-01) State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039 multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic a meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	F002		☒	A
2	D006	Wastes that exhibit a toxicity characteristic for cadmium based upon the TCLP in SW846	☐	A
3	D008	Wastes that exhibit a toxicity characteristic for lead based upon the TCLP in SW846	☐	A
4	D018		☒	A

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the la disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deeme to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good fait efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. Thi decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Steve Hoffman Title Waste Characterization Specialist Date 8/24/09

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents wi not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previou page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 1 the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS) (Phase IV)

Generator Name: US Department of Energy (Paducah Site) | Manifest Doc. No.: 01754760JJK
Profile No.: 09-03-013 (WIDs 108186-01, 108186-02, 108146-01, 109609-01) | State Manifest No.: NA

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C tha corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 1 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminoflüorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol		0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol		0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol		0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)		0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol		0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony	A	1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium	A	1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium		0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)	A	2.77	0.60 mg/l TCLP[4]
Trichloroethylene		0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol		0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead		0.69	0.75 mg/l[4]
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)	A	0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel		3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver	A	0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium	A	1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754762 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
1-270-441-5000
Generator's Phone:

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone: — U.S. EPA ID Number: UTD982598893

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ (PCB), Np-237, Tc-99, U-234, Solid/Oxide, 51 MBq, Fissile Excepted	1	CM	79	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information: ~~Truck: Trailer:~~ RQ.
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
Exclusive Use Shipment, See PCB Attachment for Additional Info
Truck: 346 Trailer: 4834

PCB Start Date: 10/15/07
If undeliverable, return to generator
Shipment ID: 6202-14-0009

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of the DOE — Signature: LaChelle Telfair — Month: 08 Day: 28 Year: 09

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: RON RUNKLE — Signature: Ron Runkle — Month: 8 Day: 28 Year: 09

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

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19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. Gardner — Signature — Month: 9 Day: 1 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754762JJK

Shipment ID Number: 6202-14-0009

Shipment Date: 8/28/2009

RFD	Container / WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	TIDs
117073	117037-01	PAD09C10600	COLLECTION CONTAINER FOR PCB SOLIDS - B-25 BOX	10/15/07	90	936	424.56	51.46	0022833/0022834
			Totals		**90**	**936**	**424.56**	**51.46**	

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	2	1-270-441-6211	001754765 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB, F039), Am-241, Np-237, Pu-239, Tc-99, Th-230, Solid/Oxide, 2879 MBq, Fissile Excepted	2	CM	1247	K	F039
RQ	2. Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB, F039), Am-241, Th-230, U-234, Solid/Oxide, 4018 MBq, Fissile Excepted	2	CM	1366	K	F039
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 346 Trailer: 4834 TID: See Attachment Accumulation Start Date: 08/13/09 PCB Date to Storage: 07/07/97
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
Exclusive Use Shipment, See PCB Attachment for Additional Info Shipment ID: 9306-15-0009

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE — Signature: Carrie Maxie — Month 8 Day 28 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: RON RUNKLE — Signature: Ron Runkle — Month 8 Day 28 Year 09
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

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19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. H129 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARNER — Signature — Month 9 Day 1 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Additional Information Attachment, Page 2 of 2

Manifest Number: 001754765JJK

Shipment ID Number: 9306-15-0009

Shipment Date: 8/28/2009

UHWM Section	Container ID	Description	PCB Date to Storage	RCRA Accumulation Start Date	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	TIDs
Page 1 - 9b.1	121312-01	PCB REGULATED URANIUM PRECIPITATE. UP DRUMS PLACED IN OVER-PACK BOXES.	7/7/1997	8/13/2009	37.6	2686	1218.34	1166.270	E242111/E242110
Page 1 - 9b.1	121312-02	PCB REGULATED URANIUM PRECIPITATE. UP DRUMS PLACED IN OVER-PACK BOXES.	7/7/1997	8/13/2009	33.6	2634	1194.76	1712.675	E242115/E242114
Page 1 - 9b.2	121312-03	PCB REGULATED URANIUM PRECIPITATE. UP DRUMS PLACED IN OVER-PACK BOXES.	7/7/1997	8/13/2009	33.6	2682	1216.53	1483.941	E242113/E242112
Page 1 - 9b.2	121312-04	PCB REGULATED URANIUM PRECIPITATE. UP DRUMS PLACED IN OVER-PACK BOXES.	7/7/1997	8/13/2009	29.6	2458	1114.92	2534.412	0022829/0022830
TOTALS	**4**				**134.4**	**10460**	**4744.55**	**6897.30**	

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: **US Department of Energy (Paducah Site)** Manifest Doc. No.: **001754765JJK**

Profile No.: **9306-15** State Manifest No.: _____

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	F039		☒	A
2			☐	
3			☐	
4			☐	

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature David L. Collis Title Waste Characterization Specialist Date 8/26/09

WSD-F-0087 (Rev. 2)
PRS-WSD-0437 (Rev. 2)

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then t underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS) (Phase IV)

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 001754765JJK

Profile No.: 9306-15 State Manifest No.:

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone	A	0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin	A	0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol		0.11	5.6
alpha-(BHC)	A	0.00014	0.066	m-Cresol		0.77	5.6
beta-(BHC)	A	0.00014	0.066	p-Cresol		0.77	5.6
delta-(BHC)	A	0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD	A	0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE	A	0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT	A	0.0039	0.087
Benzo(b)fluoranthene[3]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene	A	0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb	A	0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D	A	0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)	A	0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin	A	0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride	A	0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol	A	0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion	A	0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton	A	0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I	A	0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II	A	0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate	A	0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin	A	0.0028	0.13	N-Nitroso-di-n-butylamine	A	0.40	17
Endrin aldehyde	A	0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion	A	0.014	4.6
Bis(2-Ethylhexyl)phthalate	A	0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)	A	0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur	A	0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor	A	0.0012	0.066	Pentachlorophenol	A	0.089	7.4
Heptachlor epoxide	A	0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene	A	0.057	2.4	Phorate	A	0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin	A	0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone	A	0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP	A	0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor	A	0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony	A	1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene	A	0.0095	2.6	Barium		1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium	A	0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)	A	2.77	0.60 mg/l TCLP[4]
Trichloroethylene		0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol	A	0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T	A	0.72	7.9	Lead	A	0.69	0.75 mg/l[4]
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)		0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel		3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver	A	0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium		1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[3]
				Zinc		2.61	4.3 mg/l TCLP[3]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754769 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
1-270-441-5000
Generator's Phone:

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone:
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, U-234, Solid/Oxide, 1.6 MBq, Fissile Excepted	~~2~~ 001	DM	91	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 361 Trailer: 4858 TID Number: 0022838 PCB Start Date: 11/22/91
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
Exclusive Use Shipment, See PCB Attachment for Additional Info Shipment ID: 6202-15-0134

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on Behalf of USPOE | Signature: Carrie Maxie | Month 8 | Day 28 | Year 09

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: DON MONDAY | Signature: Don Monday | Month 8 | Day 31 | Year 09

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

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18c. Signature of Alternate Facility (or Generator) — Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. | 2. | 3. | 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee | Signature | Month 8 | Day 31 | Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754769JJK

Shipment ID Number: 6202-15-0134

Shipment Date: 3/6/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
20389-02	PAD94C40818	Floorsweep	11/22/91	7.4	256	116.12	1.60
Totals	**1**			**7.4**	**256**	**116.12**	**1.60**

copy

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754770 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Specialty Transport Inc.
U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN 2912, Radioactive material, low specific activity (LSA-I), 7, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, 4.26 E-01 MBq, Fissile Excepted	1	DM	34	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 351 Trailer: 7352 TID: 0553145 PROSB14
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
Exclusive Use Shipment, See PCB Attachment for Additional Info
PCB Start Date: 10/23/92
If undeliverable, return to generator
Shipment ID: 6202-15-0132

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of USDOE
Signature: LaChelle Telfair
Month 09 Day 11 Year 09

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Roger Woods
Signature: Roger Woods
Month 9 Day 11 Year 09
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

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19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARDNER
Signature:
Month 9 Day 14 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754770JJK

Shipment ID Number: 6202-15-0132

Shipment Date: 9/11/2009

UHWM Section	RFO	WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
Page 1 - 9b.1	31889	31889-01	PAD96C01434	OILY RAGS	10/23/92	7.4	131	59.42	0.426
		Totals	**1**			**7.40**	**131**	**59.42**	**0.426**

copy

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754771 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
1-270-441-5000
Generator's Phone:

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone: — U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. ~~UN 3321, Radioactive material, low specific activity (LSA-II), 7,~~ RQ (PCB), Am-241, Tc-99, Th-230, U-234, Solid/Oxide, 2532 MBq, Fissile Excepted	3	DM	583	K	
	2.					
	3.					
	4.					

Truck 351 Trailer 7352 TID: 0552145

14. Special Handling Instructions and Additional Information
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
~~Exclusive Use Shipment, See PCB Attachment for Additional Info~~
PCB Start Date: 01/21/92
If undeliverable, return to generator
Shipment ID: 6202-15-0135

PR05811

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (If I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of US DOE — Signature: LaChelle Telfair — Month 09 Day 11 Year 09

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Roger Woods — Signature: Roger Woods — Month 9 Day 11 Year 09
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number: SEP 18 2009
18b. Alternate Facility (or Generator) — U.S. EPA ID Number: T3
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARDNER — Signature — Month 9 Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754771JJK

Shipment ID Number: 6202-15-0135

Shipment Date: 9/11/2009

RFD	Container / WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
8662	CAS-14874	PAD94C02763	CONCRETE BLOCKS	01/21/92	7.4	460	208.65	795.36
8662	CAS-14875	PAD94C02764	CONCRETE BLOCKS	01/21/92	7.4	434	196.86	744.18
8662	CAS-14877	PAD94C02793	CONCRETE BLOCKS	01/21/92	7.4	560	254.01	992.23
	Totals				22.2	1454	659.52	2531.77

Copy

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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754772 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol	13. Waste Codes
X	1. UN 3321, Radioactive material, low specific activity (LSA-II), 7, RQ (PCB), Th-230, 4.18 E+02 MBq, Solid/Oxide	7	DM	765	K	
X	2. UN 3321, Radioactive material, low specific activity (LSA-II), 7, RQ (PCB), Am-241, Np-237, Pu-239, Th-230, 1.61 E+01 MBq, Solid/Oxide, Fissile Excepted	1	DM	87	K	
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 351 Trailer: 7352 TID: 0552145 Accumulation Start Date: NA PCB Date to Storage: 03/01/95
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See Attachment for Additional Info PROS813 Shipment ID: 6202-15-0136

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of US DOE — Signature: LaChelle Telfair — Month 09 Day 11 Year 09

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Roger Woods — Signature: Roger Woods — Month 09 Day 11 Year 09
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129	H129		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARDNER — Signature — Month 09 Day 14 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Additional Information Attachment, Page 2 of 2

Manifest Number: 001754772JJK

Shipment ID Number: 6202-15-0136

Shipment Date: 9/11/2009

UHWM Section	Container ID	WASTE ID	Description	PCB Date to Storage	RCRA Accumulation Start Date	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	TIDs
Page 1 - 9b.1	CAS-17677	PAD95C00163	ASH/FLOOR SWEEP	3/1/1995	N/A	7.4	422	191.41	70.986	
Page 1 - 9b.1	CAS-17678	PAD95C00160	ASH/FLOOR SWEEP	3/1/1995	N/A	7.4	345	156.49	51.874	
Page 1 - 9b.1	CAS-17679	PAD95C00161	ASH/FLOOR SWEEP	3/1/1995	N/A	7.4	309	140.16	42.939	
Page 1 - 9b.1	CAS-17680	PAD95C00162	ASH/FLOOR SWEEP	3/1/1995	N/A	7.4	477	216.36	84.637	
Page 1 - 9b.1	CAS-18075	PAD95C02240	FLOOR SWEEP/UF4	3/31/1995	N/A	7.4	247	112.04	27.550	
Page 1 - 9b.1	CAS-18076	PAD95C02241	FLOOR SWEEP/DIRT/UF4	3/29/1995	N/A	7.4	323	146.51	66.270	
Page 1 - 9b.1	CASX-18077	PAD95C02239	FLOOR SWEEP/TRASH/UF4	3/29/1995	N/A	7.4	355	161.02	74.212	
Page 1 - 9b.2	09424-02	PAD94C18992	FLOOR SWEEP	5/8/1998	N/A	7.4	248	112.49	16.103	
TOTALS	**8**					**59.2**	**2726**	**1236.49**	**434.57**	

T

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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754773 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, surface contaminated objects (SCO-II), 7, UN2913, RQ(PCB), Np-237, Tc-99, U-234, Solid/Oxide, 2215 MBq, Fissile Excepted	1	CM	9290	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information 4856
Truck: ~~545~~ 335 Trailer: ~~4852~~ 5749 ID: See PCB Attachment — PCB Start Date: 06/21/06
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 — If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info — Shipment ID: 9306-17-0011

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of US DOE — Signature: LaChelle Telfair — Month 09 Day 05 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Doug Runkle — Signature: Doug Runkle — Month 9 Day 5 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — SEP 09 2009 — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Justin Lee — Signature — Month 9 Day 8 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754773 JJK

Shipment ID Number: 9306-17-0011

Shipment Date: 9/5/2009

Bulk Container Information

UHWM Section	RFD	Container / WASTE ID	Sealand ID	DESCRIPTION	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Total Activity (MBq)	TID #1
Page 1 - 9b.1	108245	108245-01	WCAU040414-1	Xformers, Capacitors, Ballasts	6/21/2006	1172	25180	11421.40	2215.06	0022930
		Totals	**1**			**1172**	**25180**	**11421.40**	**2215.06**	

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754775 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Specialty Transport Inc.
U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone:
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN 3077, Environmentally hazardous substances, solid, n.o.s., 9, PG-III, (PCB)	1	DM	4	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 351 Trailer: 7352 TID: 0552145 PR05812
ERG # 171
Exclusive Use Shipment, See PCB Attachment for Additional Info
PCB Start Date: 05/01/09
If undeliverable, return to generator
Shipment ID: 6202-15-0137

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of US DOE | Signature: LaChelle Telfair | Month 09 Day 11 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Roger Woods | Signature: Roger Woods | Month 9 Day 11 Year 09
Transporter 2 Printed/Typed Name: | Signature: | Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

SEP 18 2009

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARDNER | Signature: | Month 9 Day 14 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754775JJK

Shipment ID Number: 6202-15-0137

Shipment Date: 9/11/2009

UHWM Section	RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
Page 1 - 9b.1	112662	112662-01	PAD09C10624	5-GALLON DRUM OF SAMPLE RETURNS (TSCA/LLW)	5/1/09	0.67	20	9.07	0.0058
		Totals	1			0.67	20	9.07	0.0058

copy

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754776 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN 3321, Waste Radioactive material, low specific activity (LSA-II), 7, Tc-99, Th-230, 7.79 E+00 MBq, Solid/Oxide	1	DM	5	K	D007	D008	F002
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Truck: 351 Trailer: 7352 TID:0552145 Accumulation Start Date: 05/15/09 PCB Start Date: 05/15/09
ERG # 162 If undeliverable, return to generator
Exclusive Use Shipment See Attachment for Additional Info Shipment ID: 9306-15-0010

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of USDOE — Signature: LaChelle Telfair — Month 09 Day 11 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Roger Woods — Signature: Roger Woods — Month 9 Day 11 Year 09
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

RECEIVED SEP 17 2009 BY DNA

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARDNER — Signature — Month 9 Day 14 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Copy

Additional Information Attachment, Page 2 of 2

Manifest Number: 001754776JJK

Shipment ID Number: 9306-15-0010

Shipment Date: 9/11/2009

RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	Accumulation Start Date	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
112665	112665-01	PAD09C10531	5 GALLON DRUM OF DMSA SAMPLE RETURNS. (RCRA/TSCA) D007/D008/F002	5/15/09	5/15/09	0.67	22	9.98	7.79
	Totals	1				0.67	22.00	9.98	7.79

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 001754776JJK

Profile No.: 9306-15 State Manifest No.: NA

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☐ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

1. REF #	3. USEPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE. DESCRIPTION	NONE	5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
1	D007	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for chromium based on the Toxicity Characteristic Leaching Procedure (TCLP) in SW846	☐	A
2	D008	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for lead based on the Toxicity Characteristic Leaching Procedure (TCLP) in SW846	☐	A
3	F002		☒	A
4			☐	

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☐
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Pat Paine Title Characterization Lead Date 8-4-2009

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[1]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s)	Treatment Standard		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s)	Treatment Standard	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS) (Phase IV)

Generator Name US Department of Energy (Paducah Site) Manifest Doc. No. _____

Profile No. _____ State Manifest No.: _____

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol		0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol		0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol		0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)	A	0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol		0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony		1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium		1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium		0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane	A	0.054	6.0	Chromium (Total)	A	2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.60 mg/l TCLP[4]
Trichloroethylene		0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol		0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead	A	0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead		0.69	0.75 mg/l[4]
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)		0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel		3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver		0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium		1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

copy

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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-621	001754777 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
U8 I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN 3321, Radioactive material, low specific activity (LSA-II), 7, U-234, liquid/oxide, 4.09 E+02 MBq, Fissile Excepted	4	DM	523	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 361 Trailer: 7317 TID: 0552207 Accumulation Start Date: NA PCB Start Date: 12/06/91
ERG # 162 In the event of a reportable release, call 1-800-424-8802 If undeliverable, return to generator
Exclusive Use Shipment See Attachment for Additional Info PR05819 Shipment ID: 9306-17-0012

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of US DOE — Signature: LaChelle Telfair — Month 09 Day 25 Year 09

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: DONALD MONDAY — Signature: Donald Monday — Month 09 Day 25 Year 09
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

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BY:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARDNER — Signature — Month 9 Day 29 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

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Additional Information Attachment, Page 2 of 2

Manifest Number: 001754777JJK

Shipment ID Number: 9306-17-0012

Shipment Date: ~~9/29/2009~~ 9/25/09

UHWM Section	RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	Accumulation Start Date	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
9b.1	106794	106794-02	PAD09C10760	PCB DETECTABLE RAINWATER AND DECANT WATER FROM CARBON FILTERS THAT TREATED PCB REGULATED WATER. RAINWATER IS FROM RFD 38157 - WID CAL-	12/06/91	NA	7.4	380	172.36	114.97
9b.1	106794	106794-03	PAD09C10761	PCB DETECTABLE RAINWATER AND DECANT WATER FROM CARBON FILTERS THAT TREATED PCB REGULATED WATER. RAINWATER IS FROM RFD 38157 - WID CAL-	12/06/91	NA	7.4	384	174.18	116.39
9b.2	106794	106794-04	PAD09C10762	PCB DETECTABLE RAINWATER AND DECANT WATER FROM CARBON FILTERS THAT TREATED PCB REGULATED WATER. RAINWATER IS FROM RFD 38157 - WID CAL-1310A.	12/06/91	NA	7.4	392	177.81	119.22
9b.2	106794	106794-05	PAD09C10763	PCB DETECTABLE RAINWATER AND DECANT WATER FROM CARBON FILTERS THAT TREATED PCB REGULATED WATER. RAINWATER IS FROM RFD 38157 - WID CAL-1310A.	12/06/91	NA	7.4	222	100.70	58.90
	Totals	4					29.60	1378.00	625.05	409.48

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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754781 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN 3321, Radioactive material, low specific activity (LSA-II), 7, RQ (PCB), Pu-239, Tc-99, Th-230, U-234, solid/oxide, 2.50 E+03 MBq, Fissile Excepted	2	CM	3200	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 343 Trailer: 4838 PCB Date to Storage: 08/06/91
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
Exclusive Use Shipment See Attachment for Additional Info Shipment ID: 6202-15-0138

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of US DOE | Signature: LaChelle Telfair | Month 09 Day 18 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: David Futrell | Signature | Month 09 Day 18 Year 09

Transporter 2 Printed/Typed Name | Signature | Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number: RECEIVED SEP 24 2009 U.S. EPA ID Number

18b. Alternate Facility (or Generator)

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Justin Lee | Signature | Month 09 Day 21 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754781 JJK

Shipment ID Number: 6202-15-0138

Shipment Date: 9/18/2009

UHWM Section ID	RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	TID's
9.b.1.	121302	121302-01	PAD09C10727	SPENT GRANULAR ACTIVATED CARBON, EMPTY CARBON DRUMS AND INTERNALS, GRANULAR ABSORBENT, PPE, AND BCS WASTE FROM CARBON FILTRATION DRUM DISPOSITION PROJECT. MAJORITY OF WASTE IN BOXES WILL BE CARBON.	8/8/91	90	4349	1972.66	1259.33	0023258 / 0023218
9.b.1.	121302	121302-02	PAD09C10728	SPENT GRANULAR ACTIVATED CARBON, EMPTY CARBON DRUMS AND INTERNALS, GRANULAR ABSORBENT, PPE, AND BCS WASTE FROM CARBON FILTRATION DRUM DISPOSITION PROJECT. MAJORITY OF WASTE IN BOXES WILL BE CARBON.	9/2/97	90	4306	1953.16	1244.07	0023237 / 0023236
		Totals	**2**			***180.00***	***8655.00***	***3925.82***	***2503.40***	

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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	4	1-270-441-6211	001754783 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Paducah & Louisville Railway, Inc — U.S. EPA ID Number: KYD000735845

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. UN 3321, Radioactive material, low specific activity (LSA-II), 7, Am-241, Pu-238, Pu-239, Th-228, Th-230, U-234, Solid/Oxide, 9794 MBq, Fissile-Excepted	1	CM	2065	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
~~Truck:~~ ~~Trailer:~~ TID: See attachment Railcar: GBRX206816 PCB Start Date: 01/18/88
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 or 9/18/09 If undeliverable, return to generator
Exclusive Use Shipment, See PCB Attachment for Additional Info Shipment ID: 6202-15-0139

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of US DOE | Signature: LaChelle Telfair | Month 09 Day 18 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: LaChelle Telfair on behalf of P+L | Signature: LaChelle Telfair | Month 09 Day 18 Year 09
Transporter 2 Printed/Typed Name: | Signature: | Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

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BY: ASH

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee | Signature: Justin Lee | Month 10 Day 15 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 4

Manifest Number: 001754783 JJK

Shipment ID Number: 6202-15-0139

Shipment Date: 9/18/2009

UHWM Section	RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	TID
Page 1 - 9b.1	108248	108248-07	PAD09C10989	Sea Land with 74 Sampling and Sampling Debris Drums	1/18/88	541.28	13180	5978.32	9793.7439	0023277
		Totals	1			541.28	13180	5978.32	9794	

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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754787 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant; 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN 2912, Waste Radioactive material, low specific activity (LSA-I), 7, Am-241, Np-237, Ra-226, Th-228, Th-230, solid/oxide, 0.33 MBq	3	DM	164	K	F001 F002 U228
X	2. UN 3321, Waste Radioactive material, low specific activity (LSA-II), 7, Np-237, Pu-239, Tc-99, Th-230, solid/oxide, 2.15 E+02 MBq, Fissile Excepted	1	DM	113	K	D006
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 361 Trailer: ~~7317~~ 7306 TID: 0552207 Accumulation Start Date: 09/24/91 PCB Start Date: 09/24/91
ERG # 162 or 7/25/09 PM01000 If undeliverable, return to generator
Exclusive Use Shipment, See PCB Attachment for Additional Info Shipment ID: 9306-07-~~8006~~ 0007

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of US DOE — Signature: LaChelle Telfair — Month 09 Day 25 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Donald Monday — Signature: Donald Monday — Month 09 Day 25 Year 09
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number: U.S. EPA ID Number:
18b. Alternate Facility (or Generator)
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED OCT 01 2009 BY:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129	H129		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARDNER — Signature: — Month 9 Day 29 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB & Additional Information Attachment, Page 2 of 2

Manifest ID Number: 001754787JJK
Shipment Date: 9/29/2009

UHWM Section	Container / WASTE ID	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	Accumulation Date	PCB Date to Storage
9b.1.	109612-01	7.4	119	53.98	0.0575	07/12/07	07/12/07
9b.1.	109612-02	7.4	150	68.04	0.0858	06/27/07	06/27/07
9b.1.	109612-03	7.4	260	117.93	0.1862	05/23/07	05/23/07
9b.2.	6480	7.4	305	138.34	215.3617	09/24/91	NA
Totals	**4**	**29.60**	**834**	**378.29**	**215.69**		

WID: 109612-01
109612-02
109612-03

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name U.S. DOE - Paducah Manifest Doc. No. 001754787JJK

Profile No. 9306-07 State Manifest No.: N/A

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☐ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY. ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW.
		DESCRIPTION	NONE	
1	F001		☒	A
2	F002		☒	A
3	U228		☒	A
4			☐	

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☐
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. Or 8 **RESTRICTED WASTE REQUIRES TREATMENT**
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 **RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS**
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 **GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS**
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 **DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS**
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. **RESTRICTED WASTE SUBJECT TO A VARIANCE**
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. **RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT**
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. **WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS**
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature [signature] Title Characterization Specialist Date 9/29/09

Form -A1
Page 1

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s)	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s)	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN)	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002) ✓	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002) ✓	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

WID: 6480

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name U.S. DOE - Paducah Manifest Doc. No. 001754787JJK

Profile No. 9306-07 State Manifest No.: N/A

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☐ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY. ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D006		☒	A
2			☐	
3			☐	
4			☐	

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. Or 8 **RESTRICTED WASTE REQUIRES TREATMENT**
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 **RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS**
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 **GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS**
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 **DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS**
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. **RESTRICTED WASTE SUBJECT TO A VARIANCE**
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. **RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT**
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. **WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS**
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature [signature] Title Characterization Specialist Date 9/29/09

Form -A1
Page 1

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS:					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s)	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s)	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS)
(Phase IV)

Generator Name: U.S. DOE - Paducah **Manifest Doc. Number:** 001754787JJK

Profile Number: 9306-07 **State Manifest No.:** N/A

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A, B1, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol		0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol	A	0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol	A	0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)	A	0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol		0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.019[1]	1.4[1]	Antimony		1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.056[1]	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium		1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l TCLP
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium		0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.60 mg/l TCLP[4]
Trichloroethylene		0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol		0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead	A	0.69	0.75 mg/l[4] TCLP
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)	A	0.15	0.025 mg/l TCLP
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel	A	3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene concentrations)		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver		0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium		1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

Copy

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: KY 8890008982
2. Page 1 of: 2
3. Emergency Response Phone: 1-270-441-6211
4. Manifest Tracking Number: 001754788 JJK

5. Generator's Name and Mailing Address:
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address):
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

GENERATOR

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN 3321, Radioactive material, low specific activity (LSA-II), 7, RQ (PCB), Np-237, Th-230, U-234, solid/oxide, 2.32 E+02 MBq, Fissile Excepted	8	DM	149	K	
X	2. UN 3321, Radioactive material, low specific activity (LSA-II), 7, RQ (PCB), Np-237, Th-230, solid/oxide, 7.70 E+02 MBq	5	DM	441	K	
X	3. UN 3321, Radioactive material, low specific activity (LSA-II), 7, RQ (PCB), Am-241, Np-237, Pu-239, Th-230, solid/oxide, 4.37 E+01 MBq, Fissile Excepted	8	DM	641	K	
X	4. UN 3321, Radioactive material, low specific activity (LSA-II), 7, RQ (PCB), Am-241, Pu-239, Th-230, solid/oxide, 1.01 E+02 MBq, Fissile Excepted	2	DM	213	K	

14. Special Handling Instructions and Additional Information
Truck: 361 Trailer: ~~7367317~~ 589854 TID: 0552207 PRO5820
PCB Start Date: 08/09/89
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
If undeliverable, return to generator
Exclusive Use Shipment, See PCB Attachment for Additional Info
Shipment ID: 6202-15-0140

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of US DOE — Signature: LaChelle Telfair — Month Day Year: 09 25 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: DONALD MONDAY — Signature: Donald Monday — Month Day Year: 09 25 09
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

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19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129	H129	H129	H129

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARDNER — Signature: [signature] — Month Day Year: 9 29 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754788 JJK

Shipment ID Number: 6202-15-0140

Shipment Date: ~~3/29/2009~~ 9/25/09 ST 9/25/09

UHWM Section	RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
Page 1 - 9b.1	108561	108561-01	PAD08C06112	PCB SOLIDS FROM PCB-748 DECON. DTS 5/8/08 (PPE, MOPHEADS, PAD, LINERS)	5/8/08	7.40	70	31.75	9.8841E+00
Page 1 - 9b.1	120127	120127-01	PAD08C07002	MATERIAL FROM SPILL CLEANUP OF PCB CALIBRATOR 5 GAL DRUM (PLASTIC, PPE, ABSORBENT)	12/4/08	0.67	14	6.35	1.4120E+00
Page 1 - 9b.1	108899	108899-01	PAD08C06192	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	12/4/08	7.40	101	45.81	3.1770E+01
Page 1 - 9b.1	108899	108899-02	PAD09C10183	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	3/4/09	7.40	97	44.00	2.8946E+01
Page 1 - 9b.1	108899	108899-03	PAD09C10452	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	4/24/09	7.40	128	58.06	5.0832E+01
Page 1 - 9b.1	108899	108899-04	PAD09C10498	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	5/21/09	7.40	135	61.23	5.5774E+01
Page 1 - 9b.1	108899	108899-05	PAD09C10558	PCB SPILL CLEANUP SOLIDS: PPE, ABSORBENT PADS, PLASTIC	6/30/09	7.40	111	50.35	3.8830E+01
Page 1 - 9b.1	108183	108183-01	PAD09C10196	SPILL CLEANUP DEBRIS (WOOD/PAPER/PLASTIC) FROM CAS-14860	5/10/91	7.40	76	34.47	1.4120E+01
Page 1 - 9b.2	118379	118379-01	PAD09C10181	FLOORSWEEP - LLW, PCB BULK PRODUCT	6/24/08	7.40	398	180.53	2.7083E+02
Page 1 - 9b.2	13890	CAS-14164	PAD94C02500	FLOOR SWEEP	6/10/91	7.40	267	121.11	1.6709E+02
Page 1 - 9b.2	13890	CAS-14168	PAD94C02571	FLOOR SWEEP	6/10/91	7.40	258	117.03	1.5997E+02
Page 1 - 9b.2	13890	CAS-14170	PAD94C02498	FLOOR SWEEP	6/10/91	7.40	237	107.50	1.4334E+02
Page 1 - 9b.2	44495	CAS-17527	PAD95C00636	RAGS/CONCRETE CHIPS.	10/5/94	7.40	92	41.73	2.8509E+01
Page 1 - 9b.3	5536	CAS-09565	PAD94C01365	GENERAL SALVAGE	8/11/89	7.40	186	84.37	4.0214E+00
Page 1 - 9b.3	5536	CAS-09566	PAD94C03698	GENERAL SALVAGE	8/9/89	7.40	74	33.57	5.5681E-01
Page 1 - 9b.3	5536	CAS-09567	PAD94C03706	GENERAL SALVAGE	8/9/89	7.40	158	71.67	3.1553E+00
Page 1 - 9b.3	5536	CAS-09568	PAD94C03723	GENERAL SALVAGE	8/11/89	7.40	271	122.92	6.6508E+00
Page 1 - 9b.3	5536	CAS-09569	PAD94C03675	GENERAL SALVAGE	8/11/89	7.40	325	147.42	8.3212E+00
Page 1 - 9b.3	5536	CAS-09570	PAD94C03707	GENERAL SALVAGE	8/9/89	7.40	264	119.75	6.4343E+00
Page 1 - 9b.3	5536	CAS-09571	PAD94C03745	GENERAL SALVAGE	8/11/89	7.40	226	102.51	5.2588E+00
Page 1 - 9b.3	5536	CAS-09572	PAD94C03724	GENERAL SALVAGE	8/11/89	7.40	358	162.39	9.3421E+00
Page 1 - 9b.4	54606	54606-01	PAD95C01599	DIRT/FLOORSWEEP/MGF2/UF4	5/17/95	7.40	190	86.18	2.8908E+01
Page 1 - 9b.4	54606	54606-02	PAD95C01603	DIRT/FLOORSWEEP/MGF2	5/17/95	7.40	392	177.81	7.2480E+01
		Totals	**23**			**163.47**	**4428**	**2008.50**	**1146.44**

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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754789 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN 2912, Radioactive material, low specific activity (LSA-I), 7, RQ (PCB), Am-241, Pu-239, Th-230, U-234, solid/oxide, 8.30 E+00 MBq, Fissile Excepted	2	DM	69	K	
X	2. UN 2912, Radioactive material, low specific activity (LSA-I), 7, RQ (PCB), Pu-239, Th-230, U-234, solid/oxide, 2.56 E+00 MBq, Fissile Excepted	1	DM	37	K	
X	3. UN 3321, Radioactive material, low specific activity (LSA-II), 7, RQ (PCB), Am-241, Pu-239, Th-230, solid/oxide, 1.18 E+02 MBq, Fissile Excepted	6	DM	404	K	
RQ	4. UN 3077, Environmentally hazardous substances, solid, n.o.s., (PCB), 9, PG-III	1	DM	43	K	

14. Special Handling Instructions and Additional Information 09-4/25/09
Truck: 361 Trailer: 734766 TID Number: 0552207 PCB Start Date: 07/17/84
ERG # 162, 171 In the event of an reportable release, call 1-800-424-8802 If undeliverable, return to generator
Exclusive Use Shipment; See PCB Attachment for Additional Info Shipment ID: 6202-14-0010

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of US DOE — Signature: LaChelle Telfair — Month 09 Day 25 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: DONALD MONDAY — Signature: Donald Monday — Month 09 Day 25 Year 09
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
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18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. H129 3. H129 4. H129

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARDNER — Signature — Month 9 Day 29 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754789 JJK

Shipment ID Number: 6202-14-0010

Shipment Date: 9/25/2009

UHWM Section	WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
Section 9b.1.	CASX-18109	PAD95C01523	FLOOR SWEEP	09/06/95	7.4	132	59.87	4.12
Section 9b.1.	CASX-18110	PAD95C01522	FLOOR SWEEP	09/06/95	7.4	133	60.33	4.18
Section 9b.2.	54601-03	PAD97C00858	USED FLOOR SWEEP FROM CLEAN UP.	09/06/95	7.5	218	98.88	2.56
Section 9b.3.	CAS-17296	PAD94C28071	FLOOR SWEEP	05/07/94	7.4	194	88.00	18.30
Section 9b.3.	CASX-17293	PAD98C03603	FLOOR SWEEP	05/24/91	7.4	239	108.41	24.27
Section 9b.3.	CASX-17294	PAD98C03607	FLOOR SWEEP	05/24/91	7.4	214	97.07	20.96
Section 9b.3.	CASX-17295	PAD98C03602	FLOOR SWEEP	05/24/91	7.4	300	136.08	32.36
Section 9b.3.	54601-01	PAD97C00857	USED FLOOR SWEEP FROM CLEAN UP.	09/06/95	7.5	229	103.87	12.34
Section 9b.3.	54601-02	PAD97C00847	USED FLOOR SWEEP FROM CLEAN UP.	09/06/95	7.5	211	95.71	9.95
Section 9b.4.	CAS-00448	PAD09C11006	TRASH AND DEBRIS	07/17/84	7.5	230	104.33	0.02
	Totals	**10**			**74.4**	**2100**	**952.54**	**129.06**

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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754804 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN 2913, Waste Radioactive material, surface contaminated objects (SCO-II), 7, RQ (PCB, D009), Np-237, Tc-99, U-234, Solid/Oxide, 926 MBq, Fissile Excepted	1	CM	867	K	D006 D008 D009 D011 F001 F002
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 360 Trailer: 4843 TID: See attachment Accumulation Date: 02/12/90 PCB Start Date: 04/06/00
ERG # 162 In the event of an Reportable Release, call 1-800-424-8802 If undeliverable, return to generator
Exclusive Use Shipment, See PCB Attachment for Additional Info Shipment ID: 9306-02-0021

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Chad Holloway on behalf of US DOE — Signature: Chad Holloway — Month 10 Day 02 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Herbert M. Black — Signature: Herbert M. Black — Month 10 Day 02 Year 09
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

RECEIVED
OCT 0 8 2009
BY: [illegible]

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. Gardner — Signature — Month 10 Day 15 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)**

Additional Information Attachment, Page 2 of 2

Manifest ID Number: 001754804 JJK
Shipment Date: 10/2/2009

UHWM Section	Container / WASTE ID	Description	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	PCB Date to Storage	Accumulation Date	TID #
9b.1.	109659-01	1 ST-90 (IP-2) METAL BOX CONTAINING MISC. RCRA/PCB METAL MACRO DEBRIS	90	2712	1230.14	926.244	04/06/00	02/12/90	0032103 / 0032104
Totals	1		**90.00**	**2712.00**	**1230.14**	**926.24**			

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754807 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Paducah & Louisville Railway, Inc — U.S. EPA ID Number: KYD000735845

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN 3321, Radioactive material, low specific activity (LSA-II), 7, RQ(PCB), Am-241, Np-237, Pu-238, Pu-239, Th-230, Solid/Oxide,1178 MBq, Fissile Excepted	1	CM	1981	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Railcar:GIMX 516132 TID: See PCB Attachment — PCB Start Date: 02/04/91
ERG # 162 In the event of an Reportable Release, call 1-800-424-8802 — If undeliverable, return to generator
Exclusive Use Shipment, See PCB Attachment for Additional Info — Shipment ID: 6202-15-0141

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of the US DOE — Signature: LaChelle Telfair — Month 09 Day 30 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: LaChelle Telfair on behalf of P+L — Signature: LaChelle Telfair — Month 09 Day 30 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

OCT 1 9 2009
BY:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Justin Lee — Signature: Justin Lee — Month 10 Day 15 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Additional Information Attachment, Page 2 of 2

UHWM ID Number: 001754807JJK

Shipment ID Number: 6202-15-0141

Shipment Date: 9/30/2009

Bulk Container Information

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Total Activity (MBq)	TID #1	TID #2	TID #3
109631	BFLU000268	PAD09C11022	Crushed Drums and Lab Trash	4368.3	12820	5815.02	1177.55	0022612	0022613	0022614
	Totals	1		**4368.3**	**12820**	**5815.02**	**1177.55**			

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: US Department of Energy (Paducah Site) Manifest Doc. No.: 001754804 JJK

Profile No.: 9306-02 State Manifest No.: N/A

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. USEPA HAZARDOUS WASTE CODE(S)	4. SUBCATEGORY. ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE. DESCRIPTION	NONE	5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
1	D006	Cadmium	☐	A
2	D007	Chromium	☐	A
3	D008	Lead	☐	A
4	D009	Mercury	☐	A

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☒

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☒ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Mark Kennedy Title Waste Characterization Specialist Date 9/15/2009

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then th underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s)	Treatment Standard		F001 through F005 spent solvent constituents not in their associated USEPA hazardous waste code(s)	Treatment Standard	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)[3]
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)[3]	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or ((WETOX or C HOXD) followed by CARBN)	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002) ✓	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)[3]	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002) ✓	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

[3]These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM
(PHASE IV)

Generator Name US Department of Energy (Paducah Site) Manifest Doc. No. _____

Profile No. 9306-02 State Manifest No.: _____

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed on Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

1. REF. #	3. USEPA HAZARDOUS WASTE CODE (S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE. DESCRIPTION	NONE	5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1 PAGE 1
5	D010	Silver	☐	A
6	F001	Trichloroethylene and Trichloroethane	☐	A
7	F002	Trichloroethylene and Trichloroethane	☐	A
8	F039		☒	A
9	U228	Trichloroethylene	☐	A
10			☐	
11			☐	
12			☐	
13			☐	
14			☐	
15			☐	
16			☐	
17			☐	
18			☐	
19			☐	
20			☐	
21			☐	
22			☐	
23			☐	
24			☐	
25			☐	
26			☐	
27			☐	
28			☐	
29			☐	
30			☐	
31			☐	
32			☐	
33			☐	
34			☐	
35			☐	

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Mark Kennedy

Title Characterization Specialist Date 9/15/2009

Form A2
Page 1 of 2

WSD-F-0087 (Rev. 2)
PRS-WSD-0437 (Rev. 2)

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS) (Phase IV)

Generator Name US Department of Energy (Paducah Site) Manifest Doc. No. _____

Profile No. _____ State Manifest No.: _____

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone	A	0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin	A	0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol		0.11	5.6
alpha-(BHC)	A	0.00014	0.066	m-Cresol		0.77	5.6
beta-(BHC)	A	0.00014	0.066	p-Cresol		0.77	5.6
delta-(BHC)	A	0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD	A	0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE	A	0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT	A	0.0039	0.087
Benzo(b)fluoranthene[3]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene	A	0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb	A	0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D	A	0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)	A	0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin	A	0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride	A	0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol	A	0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion	A	0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton	A	0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I	A	0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II	A	0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate	A	0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin	A	0.0028	0.13	N-Nitroso-di-n-butylamine	A	0.40	17
Endrin aldehyde	A	0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion	A	0.014	4.6
Bis(2-Ethylhexyl)phthalate	A	0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)	A	0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur	A	0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor	A	0.0012	0.066	Pentachlorophenol	A	0.089	7.4
Heptachlor epoxide	A	0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene	A	0.057	2.4	Phorate	A	0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin	A	0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone	A	0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP	A	0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor	A	0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4[1]	Antimony	A	1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.0561	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene	A	0.0095	2.6	Barium		1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium	A	0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)	A	2.77	0.60 mg/l TCLP[4]
Trichloroethylene		0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol	A	0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T	A	0.72	7.9	Lead	A	0.69	0.75 mg/l[4]
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)		0.15	0.025 mg/l
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel		3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver	A	0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium		1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: KY 8890008982
2. Page 1 of: 2
3. Emergency Response Phone: 1-270-441-6211
4. Manifest Tracking Number: 001754821 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (If different than mailing address)
U.S. DOE c/o Paducah Remediation Services, Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd, Kevil, KY 42053

10/23/09

6. Transporter 1 Company Name: Specialty Transport Inc.
U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, surface contaminated objects (SCO-II), 7, UN2913, RQ (PCB, Asbestos), Np-237, Tc-99, U-234, Solid/Oxide, 6185 MBq, Fissile Excepted	1	CM	3520	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 361 Trailer: 4861 TID: See Attachment PCB Start Date: 09/30/09
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
Exclusive Use Shipment, See PCB Attachment for Additional Info Shipment ID: 6202-14-0011

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of the USDOE
Signature: LaChelle Telfair
Month 10 Day 20 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: RONALD MONDAY
Signature: Donald Monday
Month 10 Day 20 Year 09
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

RECEIVED
OCT 29 2009
BY:

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARDNER
Signature:
Month 10 Day 23 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754821JJK

Shipment ID Number: 6202-14-0011

Shipment Date: 10/20/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	TIDs
117256-01	252617-5	PCB Remediation Debris- includes hoses, motors, shovels, scrapers, empty buckets	09/30/09	1020.5	15880	7203.01	6184.59	059115, 059180, 0005752, 0005753
Totals				**1020.5**	**15880**	**7203.01**	**6184.59**	

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754831 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X RQ	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, ~~RQ~~ (PCB), Np-237, Tc-99, U-234, Solid/Oxide, 6400 MBq, Fissile ~~Fissile~~ Excepted	1	CM	3220	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 335 Trailer: 4861 TID: See Attachment PCB Start Date: 10/19/09
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
Exclusive Use Shipment, See PCB Attachment for Additional Info Shipment ID: 6202-14-0012

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of the US DOE — Signature: LaChelle Telfair — Month 10 Day 27 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Dave Rumble — Signature: — Month 10 Day 27 Year 09
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

NOV 03 2009

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee — Signature: — Month 11 Day 2 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754831JJK

Shipment ID Number: 6202-14-0012

Shipment Date: 10/27/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	TIDs
117261-01	278830-06	PCB Remediation Debris- includes plastic tanks, metal, trash	10/19/09	1056	15220	6903.64	6399.74	0025292, 0025293, 0005721, 0005740
Totals				**1056**	**15220**	**6903.64**	**6399.74**	

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754832 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, ~~RQ~~ CT 10/22/09 RQ(PCB), Np-237, Tc-99, U-234, Solid/Oxide, 7121 MBq, Fissile Excepted	1	CM	1406	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 335 Trailer: 4861 TID: See Attachment PCB Start Date: 10/22/09
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
Exclusive Use Shipment, See PCB Attachment for Additional Info Shipment ID: 6202-14-0013

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of the US DOE | Signature: LaChelle Telfair | Month 10 | Day 27 | Year 09

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Doug Runkle | Signature: Doug Runkle | Month 10 | Day 27 | Year 09
Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
NOV 13 2009
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lu | Signature | Month 11 | Day 2 | Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754837JJK AW 11/4/09

Shipment ID Number: 6202-14-0013

Shipment Date: 10/27/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	TIDs
117264-01	037420-7	PCB Remediation Debris- includes plastic tanks, metal, trash	10/22/09	1175	11220	5089.28	7120.92	0025292, 0025293, 0005721, 0005740
Totals				**1175**	**11220**	**5089.28**	**7120.92**	

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	2	1-270-441-6211	001754865 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone: — U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ (PCB), Np-237, Tc-99, U-234, Solid/Oxide, 5174 MBq, Fissile Excepted	1	CM	2531	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 381 Trailer: 4661 TID: See Attachment PCB Start Date: 05/09/88
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
Exclusive Use Shipment, See PCB Attachment for Additional Info Shipment ID: 6202-14-0014

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Tolar on behalf of the US DOE — Signature: [signature] — Month: 11 Day: 10 Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: DONALD MONDAY — Signature: [signature] — Month: 11 Day: 10 Year: 09

Transporter 2 Printed/Typed Name — Signature — Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

RECEIVED
NOV 24 2009
BY: [signature]

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. GARDNER — Signature: [signature] — Month: 11 Day: 10 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **TRANSPORTER'S COPY**

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754865JJK

Shipment ID Number: 6202-14-0014

Shipment Date: 11/10/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	TIDs
117267-01	250440-6	PCB Remediation Debris- includes copper tubing, empty drums, pallets	05/09/88	853.76	13700	6214.18	5174.09	0025001, 0025002, 0005708, 0005710
Totals				**853.76**	**13700**	**6214.18**	**5174.09**	

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754874 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Specialty Transport Inc.
U.S. EPA ID Number
TNR000011247

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number
UTD982598888

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Am-241, Np-237, Pu-239, Tc-99, Th-230, Solid/Oxide, 1.88E-01 MBq, Fissile Excepted	1	DM	72	K	
X	2. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Am-241, Np-237, Pu-238, Pu-239, Tc-99, Th-230, Solid/Oxide, 1.17E+02 MBq, Fissile Excepted	1	DM	78	K	
X	3. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Pu-239, Th-230, U-234, Solid/Oxide, 5.67 E+01 MBq, Fissile Excepted	3	DM	66	K	
	4.					

14. Special Handling Instructions and Additional Information
Truck 333 Trailer: 7317 TID: 0552227
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
Exclusive Use Shipment, See PCB Attachment for Additional Info
PCB Start Date: 03/03/89
If undeliverable, return to generator
Shipment ID: 6202-15-0142

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of the US DOE | Signature: LaChelle Telfair | Month: 11 | Day: 20 | Year: 09

TRANSPORTER INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JAMES LEE PAYNE | Signature: James Lee Payne | Month: 11 | Day: 20 | Year: 09

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

RECEIVED
NOV 25 2009
BY:

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129	H129	H129	

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. GARDNER | Signature | Month: 11 | Day: 23 | Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754874JJK

Shipment ID Number: 6202-15-0142

Shipment Date: 11/20/2009

UHWM Section	RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
Page 1 - 9b.1	7733	CAS-08454	PAD04C04622	PCB/U SOLID WASTE; FLOOR SWEEP	3/3/89	7.4	294	133.36	0.19
Page 1 - 9b.2	665	HC-0699	PAD94C18952	VACUUM DUST	7/24/89	7.4	228	103.42	116.63
Page 1 - 9b.3	47637	47637-01	PAD97C01708	RAGS, FILTER PAPER PER SAMPLE	10/23/97	7.4	151	68.49	36.86
Page 1 - 9b.3	8158	CAS-09724	PAD94C22864	TRASH/FILTERS	12/18/89	7.4	87	39.46	12.03
Page 1 - 9b.3	6749	CAS-09725	PAD94C21367	FILTERS/RAGS/TRASH	11/3/89	7.4	76	34.47	7.76
Totals						37.0	836.0	379.2	1.7E+02

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: KY 8890008982
2. Page 1 of: 2
3. Emergency Response Phone: 1-270-441-6211
4. Manifest Tracking Number: 001754893 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc.
U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ (PCB), Np-237, Tc-99, U-234, Solid/Oxide, 3565 MBq, Fissile Excepted	1	CM	1760	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 343 Trailer: 4874 TID: See Attachment PCB Start Date: 12/01/09
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
Exclusive Use Shipment. See PCB Attachment for Additional Info Shipment ID: 6202-14-0015

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of the US DOE
Signature: LaChelle Telfair
Month: 12 Day: 08 Year: 09

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: DAVID FERRELL
Signature:
Month: 12 Day: 8 Year: 09

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

RECEIVED DEC 16 2009 BY:

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARDNER
Signature:
Month: 12 Day: 11 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754893JJK

Shipment ID Number: 6202-14-0015

Shipment Date: 12/8/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	TIDs
117162-01	SESU203468-6	PCB Remediation Debris- includes PCB dedicated tools, empty drums, wood pallets	12/01/09	588.26	8840	4009.74	3565.14	0025173, 0025174
Totals				**588.26**	**8840**	**4009.74**	**3565.14**	

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	2	1-270-441-6211	001754904 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN 3321, Radioactive material, low specific activity (LSA-II), 7,RQ (PCB), Am-241, Tc-99, Th-230, U-234, Solid/Oxide 586.29 MBq, Fissile Excepted	1	CM	101	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 361 Trailer: 4852 TID: 0022756 0022757
PCB Date to Storage: 02/11/09 PR05951
ERG # 162
If undeliverable, return to generator
Exclusive Use Shipment See Attachment for Additional Info
Shipment ID: 6202-15-0143

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of the USDOE — Signature: LaChelle Telfair — Month: 12 Day: 11 Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: DONALD MONDAY — Signature: Donald Monday — Month: 12 Day: 11 Year: 09

Transporter 2 Printed/Typed Name — Signature — Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:

RECEIVED DEC 18 2009 BY

18c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. GARDNER — Signature — Month: 12 Day: 15 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754904 JJK

Shipment ID Number: 6202-15-0143

Shipment Date: 12/11/2009

UHWM Section ID	RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
9.b.1.	108170	108170-01	PAD09C10176	Trash & PPE	2/11/09	81	1022	463.57	586.48
Totals	**1**					**81.00**	**1022.00**	**463.57**	**586.48**

TID
0022756
0022757

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: KY 8890008982 | 2. Page 1 of: 3 | 3. Emergency Response Phone: 1-270-441-6211 | 4. Manifest Tracking Number: 001754908 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. | U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name | U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN 3321, Radioactive material, low specific activity (LSA-II),7, RQ (PCB), Am-241, Th-230, U-234, Solid/Oxide, 1.39 E+02 MBq, Fissile Excepted	3	DM	285	K	
X	2. UN 3321, Radioactive material, low specific activity (LSA-II), 7, RQ (PCB), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 6.47 E+01 MBq, Fissile Excepted	2	DM	18	K	
X	3. UN 2912, Radioactive material, low specific activity (LSA-I), 7, RQ (PCB), Am-241, Np-237, Pu-239, Th-230, U-234, Solid/Oxide, 1.95 E+01 MBq, Fissile Excepted	2	DM	127	K	
X	4. UN 3321, Radioactive material, low specific activity (LSA-II), 7, RQ (PCB), Am-241, Pu-239, Th-230, U-234, Solid/Oxide, 2.71 E+02 MBq, Fissile Excepted	2	DM	143	K	

14. Special Handling Instructions and Additional Information
Truck: 343 Trailer: 7340 TID: 0552228 Accumulation Start Date: PCB Start Date: 08/15/89
ERG # 162, In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
Exclusive Use Shipment See Attachment for Additional Info Shipment ID: 9306-17-00121 14

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. 12/26/09

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of the US DOE | Signature | Month 12 Day 26 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: David Futrell | Signature | Month 12 Day 26 Year 09

Transporter 2 Printed/Typed Name | Signature | Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

RECEIVED
DEC 30 2009
BY:

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132	H132	H132	H132

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. GARDNER | Signature | Month 12 Day 30 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number: KY 8890008982

22. Page: 2

23. Manifest Tracking Number: 001754908 JJK

24. Generator's Name: U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053

25. Transporter 1 Company Name: Specialty Transport Inc.

U.S. EPA ID Number: TNR000011247

26. Transporter _____ Company Name

U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes
X	UN 3321, Radioactive material, low specific activity (LSA-II), 7, RQ (PCB), Pu-239, Th-230, Solid/Oxide, 5.41 E+01 MBq, Fissile Excepted	7	DM	1479	K	

GENERATOR

32. Special Handling Instructions and Additional Information

In the event of an RQ Release, call 1-800-424-8802
ERG # 162 See Attachment for Additional Info

PCB Start Date: 08/15/89
If undeliverable, return to generator
Shipment ID: 9306-17-0042 14
CT 12/26/09

TRANSPORTER

33. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name: DAVID FARRELL

Signature:

Month: 12 Day: 26 Year: 09

34. Transporter _____ Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

H132

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Additional Information Attachment, Page 3 of 3

Manifest Number: 001754908 JJK

Shipment ID Number: 9306-17-0038 14

Shipment Date: 12/26/2009 CT 12/26/09

UHWM Section ID	RFD	WASTE ID	Barcode Number	Description	Accumulation Start Date	PCB Start Date	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
9.b.1.	16307	CAS-15125	PAD94C02947	CLEANING MATERIAL	NA	5/10/91	7.4	332	150.59	6.0E+01
9.b.1.	120812	120812-01	PAD09C10030	PCB SOLIDS, FROM SPILL CLEANUP (PPE, PADS, MOP HEADS, PLASTIC)	NA	10/23/07	7.4	140	63.50	3.4E+01
9.b.1.	55644	55644-01	PAD97C01017	SLUDGE VACUMMED FROM PCB TANKS	NA	4/16/97	7.4	325	147.42	4.5E+01
9.b.2.	106588	106588-01	PAD03C00688	OVERPACKED CONTAINERS FROM TSCA SOFT SOLIDS PROJECT. DRUM CONTAINS THREE 5 GALLON CONTAINERS FROM PROFILE #1 (RFD 101595-01, 02, 03	NA	3/25/99	7.4	81	36.74	4.5E+01
9.b.2.	118359	118359-01	PAD09C10489	PCB/PF LAB SOLIDS (PPE/PLASTIC/PAPER/SPECIMEN CUPS/KIM WIPES/RAGS) USEC 49381W	NA	8/26/98	0.67	23	10.43	2.0E+01
9.b.3.	13832	CAS-12608	PAD94C21325	LAB SAMPLES	NA	2/8/91	7.4	237	107.50	1.3E+01
9.b.3.	13832	CAS-12609	PAD94C22084	LAB SAMPLES	NA	2/8/91	7.4	155	70.31	6.9E+00
9.b.4.	8137	CAS-15196	PAD94C03163	EMPTY ACTIVATED ALUMINA	NA	8/15/89	7.4	187	84.82	2.3E+02
9.b.4.	44498	CAS-17553	PAD95C00711	BUCKET ELEVATOR PIT SLUDGE/MOP	NA	10/7/94	7.4	275	124.74	3.7E+01
27.b.1.	118374	118374-01	PAD09C10488	SOIL AND SEDIMENTS FROM TRENCH IN C-337-A (SWMU 71) DTS 04-21-09 (ANALYTICAL APPROVED)	NA	4/21/09	7.4	681	308.89	1.0E+01
27.b.1.	118374	118374-02	PAD09C10485	SOIL AND SEDIMENTS FROM TRENCH IN C-337-A (SWMU 71) DTS 04-21-09 (ANALYTICAL APPROVED)	NA	4/21/09	7.4	678	307.53	1.0E+01
27.b.1.	118374	118374-03	PAD09C10482	SOIL AND SEDIMENTS FROM TRENCH IN C-337-A (SWMU 71) DTS 04-21-09 (ANALYTICAL APPROVED)	NA	4/21/09	7.4	131	59.42	1.2E+00
27.b.1.	118374	118374-04	PAD09C10486	SOIL AND SEDIMENTS FROM TRENCH IN C-337-A (SWMU 71) DTS 04-21-09 (ANALYTICAL APPROVED)	NA	4/21/09	7.4	512	232.24	7.6E+00
27.b.1.	118374	118374-05	PAD09C10483	SOIL AND SEDIMENTS FROM TRENCH IN C-337-A (SWMU 71) DTS 04-21-09 (ANALYTICAL APPROVED)	NA	4/21/09	4	467	211.83	7.3E+00
27.b.1.	118374	118374-06	PAD09C10484	SOIL AND SEDIMENTS FROM TRENCH IN C-337-A (SWMU 71) DTS 04-21-09 (ANALYTICAL APPROVED)	NA	4/21/09	4	455	206.38	7.1E+00
27.b.1.	118374	118374-07	PAD09C10487	SOIL AND SEDIMENTS FROM TRENCH IN C-337-A (SWMU 71) DTS 04-21-09 (ANALYTICAL APPROVED)	NA	4/21/09	7.4	677	307.08	1.0E+01
	Totals	16					104.87	5356	2429.43	5.5E+02

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: KY 8890008982
2. Page 1 of: 2
3. Emergency Response Phone: 1-270-441-6211
4. Manifest Tracking Number: 001754910 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc.
U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
RQ	1. NA 3077, Hazardous waste, solid, n.o.s., 9, PG III, (PCB,D009)	1	DM	5	K	D008	D008	D009
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Truck: 343 Trailer: 7340 TID: 0552228 Accumulation Start Date: 06/25/08 PCB Start Date: 06/25/08
ERG # 171, In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
Exclusive Use Shipment See Attachment for Additional Info PM01059 Shipment ID: 9306-02-0022

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaShelle Telfair on behalf of the US DOE
Signature: LaShelle Telfair
Month Day Year: 12 26 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: David Futrell
Signature:
Month Day Year: 12 26 09

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

RECEIVED
DEC 30 2009
BY:

18b. Alternate Facility (or Generator)
Manifest Reference Number:
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H131 MACRO			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. Gardner
Signature:
Month Day Year: 12 30 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Additional Information Attachment, Page 2 of 2

Manifest Number: 001754910 JJK

Shipment ID Number: 9306-02-0022

Shipment Date: 12/26/2009

UHWM Section ID	RFD	WASTE ID	Barcode Number	Description	Accumulation Start Date	PCB Start Date	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
9.b.1.	120789	120789-01	PAD08C06124	DEBRIS FROM MERCURY SPILL CLEANUP INCLUDES PRESSURE GAGE, FLOORSWEEP, CARTRIDGES, RUBBER GLOVES. A SMALL VIAL OF LIQUID MERCURY WAS REMOVED ON 09/16/09 AND ADDED TO 109630-01.	6/25/08	6/25/08	0.67	23	10	7.2E-03
		Totals	1				0.67	23	10	7.2E-03

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name U.S. DOE - Paducah Manifest Doc. No. 000254910JJK

Profile No. 93060 G2 State Manifest No.: N/A

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

1. ITEM #	2. USEPA HAZARDOUS WASTE CODE(S)	3. ENTER THE SUBCATEGORY DESCRIPTION IF NOT APPLICABLE, SIMPLY CHECK NONE		4. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D006	Cadmium	☐	A
2	D008	Lead	☐	A
3	D009	Mercury	☐	A
4	F001, F002, U228	Trichloroethene	☐	A

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. Or 8 **RESTRICTED WASTE REQUIRES TREATMENT**
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 **RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS**
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 **GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS**
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 **DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS**
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. **RESTRICTED WASTE SUBJECT TO A VARIANCE**
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. **RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT**
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. **WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS**
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

"I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information."

Signature Jan Elliott Title ONAR LEAD Date 9/17/09

Form -A1
Page 1

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s)	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s)	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV)

Generator Name U.S. DOE - Paducah Manifest Doc. No. 000549105JJK

Profile No. _____ State Manifest No.: N/A

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

1 LINE	2 USEPA HAZARDOUS WASTE CODE (S)	4 SUBCATEGORY (ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE)		5 HOW MUST THE WASTE BE MANAGED? (ENTER LETTER FROM FORM A1 PAGE 2)
		DESCRIPTION	NONE	
5			☐	
6			☐	
7			☐	
8			☐	
9			☐	
10			☐	
11			☐	
12			☐	
13			☐	
14			☐	
15			☐	
16			☐	
17			☐	
18			☐	
19			☐	
20			☐	
21			☐	
22			☐	
23			☐	
24			☐	
25			☐	
26			☐	
27			☐	
28			☐	
29			☐	
30			☐	
31			☐	
32			☐	
33			☐	
34			☐	
35			☐	

To identify F039 or D001-D043 underlying hazardous constituent(s), use the *F039/Underlying Hazardous Constituent Form: ☒

If no UHCs are present in the waste upon its initial generation check here: ☐

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature _____

Title _____ Date _____

Form A2
Page 1

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV)

Generator Name U.S. DOE - Paducah Manifest Doc. No. 001754910 JJK

Profile No. State Manifest No.: N/A

This form is a continuation from form A1 for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form.

Continue (from form A1, Page 1) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 5 how the waste must be managed. Spent solvents are listed Form A1, Page 2. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

REF #	3. USEPA HAZARDOUS WASTE CODE(S)	4. SUBCATEGORY. ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1 PAGE 1
		DESCRIPTION	NONE	
36			☐	
37			☐	
38			☐	
39			☐	
40			☐	
41			☐	
42			☐	
43			☐	
44			☐	
45			☐	
46			☐	
47			☐	
48			☐	
49			☐	
50			☐	
51			☐	
52			☐	
53			☐	
54			☐	
55			☐	
56			☐	
57			☐	
58			☐	
59			☐	
60			☐	
61			☐	
62			☐	
63			☐	
64			☐	
65			☐	
66			☐	

To identify F039 or D001-D043 underlying hazardous constituent(s), use the "F039/Underlying Hazardous Constituent Form: ☐

If no UHCs are present in the waste upon its initial generation check here: ☐

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature

Title Date

Form A2
Page 2

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS)
(Phase IV)

Generator Name: U.S. DOE - Paducah **Manifest Doc. Number:**

Profile Number: **State Manifest No.:**

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation *and at a level* above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A, B1, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent *present to properly* describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and *at a level above* 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol		0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol		0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol		0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo.(g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2,6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin		0.0026	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)	A	0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol		0.089	7.4
Heptachlor epoxide		0.018	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.019[1]	1.4[1]	Antimony		1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.056[1]	1.4[1]	Arsenic		1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium		1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l TCLP
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium		0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane	A	0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.60 mg/l TCLP[4]
Trichloroethylene	A	0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol		0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead		0.69	0.75 mg/l[4] TCLP
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)		0.15	0.025 mg/l TCLP
Triethylamine		0.081[1]	1.5[1]	Nickel	A	3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel		3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene concentrations)		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver		0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium		1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[3]
				Zinc	A	2.61	4.3 mg/l TCLP[3]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754912 JJK

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN 3321, Waste Radioactive material, low specific activity (LSA-II), 7, RQ (PCB), Am-241, Th-230, U-234, Solid/Oxide, 6.37 E+00 MBq, Fissile Excepted	1	DF	17	K	F001 F002 U228
X	2. UN 3321, Waste Radioactive material, low specific activity (LSA-II), 7, RQ (PCB), Am-241, Th-230, U-234, Solid/Oxide, 4.38 E-01 MBq, Fissile Excepted	1	DM	1	K	F001 F002 U228
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 343 Trailer: 7340 TID: 0552228 Accumulation Start Date: 09/17/09 PCB Start Date: 09/09/92
ERG # 162, In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
Exclusive Use Shipment See Attachment for Additional Info Shipment ID: 8306-15-0015

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

GENERATOR — Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of the US DOE | Signature: LaChelle Telfair | Month: 12 | Day: 26 | Year: 09

INT'L — 16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER — 17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: David Futrell | Signature | Month: 12 | Day: 26 | Year: 09
Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY — 18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

RECEIVED
DEC 30 2009
BY:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 | 2. | 3. | 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee | Signature | Month: 12 | Day: 30 | Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Additional Information Attachment, Page 2 of 2

Manifest Number: 001754912 JJK

Shipment ID Number: 9306-15-0015

Shipment Date: 12/26/2009

UHWM Section ID	RFD	WASTE ID	Barcode Number	Description	Accumulation Start Date	PCB Start Date	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
9.b.1.	22149	CALX-1177A	PAD94C01379	SLUDGE OF WASTE WATER	9/17/09	9/9/92	6.66	137	62.14	6.4E+00
9.b.2.	56725	56725-01	PAD95C10835	SOLID SAMPLES-INCINERABLE	9/29/09	1/13/97	6.66	58	26.31	4.4E-01
	Totals	**2**					**13.32**	**195**	**88.45**	**6.8E+00**

WSD → 0520

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name U.S. DOE - Paducah Manifest Doc. No. 001754912 JJK

Profile No. 9306-08 15 (→ 1424/07) State Manifest No.: N/A

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

1 ENTER LETTER	2 USEPA HAZARDOUS WASTE CODE (S)	3 SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION IF NOT APPLICABLE SIMPLY CHECK NONE		5 HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	F001	trichloroethylene and 1,1,1-trichloroethane	☐	A
2	F002	trichloroethylene and 1,1,1-trichloroethane	☐	A
3	U228	Trichloroethylene	☐	A
4	D002	Corrosive pH >12.5	☒	A

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. Or B **RESTRICTED WASTE REQUIRES TREATMENT**
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 **RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS**
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 **GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS**
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 **DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS**
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. **RESTRICTED WASTE SUBJECT TO A VARIANCE**
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. **RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT**
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. **WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS**
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature [signature] Title Characterization Specialist Date 7/22/09

22821-006

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[1,2]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s)	Treatment Standard[1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS)
(Phase IV)

Generator Name: U.S. DOE – Paducah
Profile Number: 9306-08
Manifest Doc. Number:
State Manifest No.: 601754912 JJK

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A, B1, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WWW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WWW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.068	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol		0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol		0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol		0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene	A	0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[2]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[2]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2,6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone	A	0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)		0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol		0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachlorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony	A	1.9	2.1 mg/l TCLP
Thiodicarb		0.019[1]	1.4[1]	Antimony		1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.056[1]	1.4[1]	Arsenic	A	1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium	A	1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l TCLP
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium	A	0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane	A	0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)	A	2.77	0.60 mg/l TCLP[4]
Trichloroethylene	A	0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol		0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead	A	0.69	0.75 mg/l[4] TCLP
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)	A	0.15	0.025 mg/l TCLP
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel	A	3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium	A	0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene concentrations)		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver	A	0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium	A	1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name U.S. DOE - Paducah Manifest Doc. No. 001754912JJK

Profile No. 9306-08 State Manifest No.: N/A

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

(1)	(2) USEPA HAZARDOUS WASTE CODE(S)	(3) ENTER THE SUBCATEGORY DESCRIPTION IF NOT APPLICABLE SIMPLY CHECK NONE		(4) HOW MUST THE WASTE BE MANAGED? ENTER FURTHER PROCESSING
		DESCRIPTION	NONE	
1	D002	Corrosive pH <2	☐	A
2			☐	
3			☐	
4			☐	

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. Or B **RESTRICTED WASTE REQUIRES TREATMENT**
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 **RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS**
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 **GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS**
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 **DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS**
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. **RESTRICTED WASTE SUBJECT TO A VARIANCE**
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. **RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT**
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. **WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS**
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature [signature] Title Characterization Specialist Date 7/22/04

Form -A1
Page 1

35701CC814)

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s)	Treatment Standard[1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s)	Treatment Standard[1]	
	Wastewater	Nonwastewater[2]		Wastewater	Nonwastewater[2]
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or ((WETOX or C HOXD) followed by CARBN)	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) -- Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS)
(Phase IV)

Generator Name: U.S. DOE – Paducah
Profile Number: 9306-08

Manifest Doc. Number:
State Manifest No.: 001754912JJK

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A, B1, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol		0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol		0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol		0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene	A	0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[3]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[3]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.6	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2,6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone	A	0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)		0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol		0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony	A	1.9	2.1 mg/l TCLP
Thiodicarb		0.019[1]	1.4[1]	Antimony		1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.056[1]	1.4[1]	Arsenic	A	1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium	A	1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l TCLP
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium	A	0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane	A	0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)	A	2.77	0.60 mg/l TCLP[4]
Trichloroethylene	A	0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol		0.18	7.4	Fluoride		35	NA[2]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead	A	0.69	0.75 mg/l[4] TCLP
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)	A	0.15	0.025 mg/l TCLP
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel	A	3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium	A	0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene concentrations)		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver	A	0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium	A	1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[3]	1.6 mg/l TCLP[3]
				Zinc		2.61	4.3 mg/l TCLP[3]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name U.S. DOE - Paducah Manifest Doc. No. 001754912JJK

Profile No. 9306-07 State Manifest No.: N/A

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

1. REF #	2. US EPA HAZARDOUS WASTE CODE(S)	3. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	4. NONE	
1	F001	trichloroethylene and 1,1,1-trichloroethane	☒	A
2	F002	trichloroethylene and 1,1,1-trichloroethane	☒	A
3	U228	Trichloroethylene	☒	A
4			☐	

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☐
If no UHCs are present in the waste upon its initial generation check here: ☒
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. Or 8 RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature [signature] Title Characterization Specialist Date 9/22/09

CAK-1177A

Form -A1
Page 1

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

F001 through F005 spent solvent constituents and additional regulated USEPA hazardous waste code(s)	SOLVENT WASTE TREATMENT STANDARDS Treatment Standard		F001 through F005 spent solvent constituents and additional regulated USEPA hazardous waste code(s)	Treatment Standard	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or [(WETOX or C HOXD) followed by CARBN]	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name U.S. DOE - Paducah Manifest Doc. No. 6017549125JK

Profile No. 9306-15 State Manifest No.: N/A

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	1. US EPA HAZARDOUS WASTE CODE(S)	2. ENTER THE SUBCATEGORY DESCRIPTION, IF NOT APPLICABLE, SIMPLY CHECK NONE		3. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D006		☒	A
2			☐	
3			☐	
4			☐	

* To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. Or 8 RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature [signature] Title Characterization Specialist Date 9/22/09

14858(HC-457)

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s)	Treatment Standard		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s)	Treatment Standard	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or ((WETOX or C HOXD) followed by CARBN)	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than *10x* the standard listed.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS)
(Phase IV)

Generator Name: U.S. DOE – Paducah
Profile Number: 9306-08

Manifest Doc. Number:
State Manifest No.: 001754912JJK

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A, B1, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol		0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol		0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol		0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene	A	0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[2]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[2]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2,6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone	A	0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB Isomers or all Aroclors)		0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol		0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony	A	1.9	2.1 mg/l TCLP
Thiodicarb		0.019[1]	1.4[1]	Antimony		1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.056[1]	1.4[1]	Arsenic	A	1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium	A	1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l TCLP
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium	A	0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane	A	0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)	A	2.77	0.60 mg/l TCLP[4]
Trichloroethylene	A	0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol		0.18	7.4	Fluoride		35	NA[2]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead	A	0.69	0.75 mg/l[4] TCLP
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)	A	0.15	0.025 mg/l TCLP
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel	A	3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium	A	0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene concentrations)		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver	A	0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium	A	1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name U.S. DOE - Paducah Manifest Doc. No. 007549121JJK

Profile No. 9306-08 State Manifest No.: N/A

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

ENTER #	USEPA HAZARDOUS WASTE CODE(S)	ENTER THE SUBCATEGORY DESCRIPTION IF NOT APPLICABLE, SIMPLY CHECK NONE		HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	F001	trichloroethylene and 1,1,1-trichloroethane	☒	A
2	F002	trichloroethylene and 1,1,1-trichloroethane	☒	A
3	U228	Trichloroethylene	☒	A
4			☐	

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☐
If no UHCs are present in the waste upon its initial generation check here: ☒
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. Or 8 **RESTRICTED WASTE REQUIRES TREATMENT**
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 **RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS**
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 **GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS**
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 **DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS**
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. **RESTRICTED WASTE SUBJECT TO A VARIANCE**
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. **RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT**
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. **WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS**
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature [signature] Title Characterization Specialist Date 9/22/09

Form -A1
Page 1

107131-01
38057-03
23112-01
SI-0013
89261-01

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS					
F001 through F005 spent solvent constituents and the corresponding USEPA hazardous waste code(s)	Treatment Standard		F001 through F005 spent solvent constituents and the corresponding USEPA hazardous waste code(s)	Treatment Standard	
	Wastewater	Nonwastewater		Wastewater	Nonwastewater
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or ((WETOX or C HOXD) followed by CARBN)	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name U.S. DOE - Paducah Manifest Doc. No. _____

Profile No. 9306-08 State Manifest No.: N/A

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater ☒ Wastewater ☐
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	1. USEPA HAZARDOUS WASTE CODE(S)	2. ENTER THE SUBCATEGORY DESCRIPTION IF NOT APPLICABLE, SIMPLY CHECK NONE		3. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	F039		☒	A
2			☐	
3			☐	
4			☐	

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒
If no UHCs are present in the waste upon its initial generation check here: ☐
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (Form A2) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, C, D, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. Or 8 **RESTRICTED WASTE REQUIRES TREATMENT**
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 **RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS**
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 **GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS**
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 **DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS**
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. **RESTRICTED WASTE SUBJECT TO A VARIANCE**
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. **RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT**
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. **WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS**
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature _____ Title Characterization Specialist Date 9/28/07

107823-02

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) – REVERSE SIDE

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS[1]					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s)	Treatment Standard		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s)	Treatment Standard	
	Wastewater	Nonwastewater		Wastewater	Nonwastewater
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP)
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP)	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or ((WETOX or C HOXD) followed by CARBN)	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP)	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

[1]All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

[2]For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of the constituents or less than 10x the standard listed.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.

B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.

C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS)
(Phase IV)

Generator Name: U.S. DOE – Paducah
Profile Number: 9306-08

Manifest Doc. Number:
State Manifest No.: 001754912JK

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A, B1, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28[1]
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38[1]	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19[1]	23[1]	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062[1]	NA[1]
Aldicarb sulfone		0.056[1]	0.28[1]	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol		0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol		0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol		0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056[1]	1.4[1]
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l[1]
Barban		0.056[1]	1.4[1]	o,p'-DDD		0.023	0.087
Bendiocarb		0.056[1]	1.4[1]	p,p'-DDD		0.023	0.087
Benomyl		0.056[1]	1.4[1]	o,p'-DDE		0.031	0.087
Benzene	A	0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055[1]	6.0[1]	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene[2]		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene[2]		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/ Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042[1]	1.4[1]	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006[1]	0.14[1]	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056[1]	1.4[1]	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006[1]	0.14[1]	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056[1]	1.4[1]	2,6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP[1]	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028[1]	1.4[1]	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13[1]	NA

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone	A	0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056[1]	1.4[1]
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056[1]	1.4[1]
Di-n-octyl phthalate		0.017	28	Molinate		0.042[1]	1.4[1]
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine[3]		0.92	13[1]	o-Nitroaniline		0.27[1]	14[1]
Diphenylnitrosamine[3]		0.92	13[1]	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28[1]	o-Nitrophenol		0.028[1]	13[1]
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3[1]
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042[1]	1.4[1]	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056[1]	0.28[1]
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB Isomers or all Aroclors)		0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042[1]	1.4[1]
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055[1]	10[1]
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056[1]	1.4[1]	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol		0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachlorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055[1]	28[1]
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28[1]
Hexachloroethane		0.055	30	Physostigmine		0.056[1]	1.4[1]
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056[1]	1.4[1]
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056[1]	1.4[1]
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056[1]	1.4[1]
Isodrin		0.021	0.066	Propoxur		0.056[1]	1.4[1]
Isosafrole		0.081	2.6	Prosulfocarb		0.042[1]	1.4[1]
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l[1]	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056[1]	1.4[1]	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028[1]	0.14[1]	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25[1]	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony	A	1.9	2.1 mg/l TCLP
Thiodicarb		0.019[1]	1.4[1]	Antimony		1.9	1.15 mg/l TCLP[4]
Thiophanate-methyl		0.056[1]	1.4[1]	Arsenic	A	1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium	A	1.2	21 mg/l TCLP[4]
Triallate		0.042[1]	1.4[1]	Beryllium		0.82	0.014 mg/l TCLP
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP[4]
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium	A	0.69	0.11 mg/l TCLP[4]
1,1,1-Trichloroethane	A	0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)	A	2.77	0.60 mg/l TCLP[4]
Trichloroethylene	A	0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30[1]
2,4,5-Trichlorophenol		0.18	7.4	Fluoride		35	NA[4]
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead	A	0.69	0.75 mg/l[4] TCLP
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)	A	0.15	0.025 mg/l TCLP
Triethylamine		0.081[1]	1.5[1]	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10[1]	Nickel	A	3.98	11 mg/l TCLP[4]
Vernolate		0.042[1]	6.0[1]	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium	A	0.82	5.7 mg/l TCLP[5]
Xylenes – mixed isomers (sum of o-,m-, and p-xylene concentrations)		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver	A	0.43	0.14 mg/l TCLP[4]
				Sulfide		14	NA[2]
				Thallium		1.4	0.078 mg/l TCLP[1]
				Thallium	A	1.4	0.20 mg/l TCLP[4]
				Vanadium		4.3[2]	1.6 mg/l TCLP[2]
				Zinc		2.61	4.3 mg/l TCLP[2]

[1] These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

[2] Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

[3] These compounds are regulated by the sum of their concentration instead of as individual constituents.

[4] These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

[5] Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

Copy

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754913 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone: — U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, (PCB), Np-237, Tc-99, U-234, Solid/Oxide, 870 MBq, Fissile Excepted RQ	1	CM	3447	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 346 Trailer: 4870 TID: See Attachment PCB Start Date: 12/11/09
ERG # 162. In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
Exclusive Use Shipment, See PCB Attachment for Additional Info PROJ064 Shipment ID: 8306-17-0013

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Lochelle Telfair on behalf of the USDOE — Signature: L Chelle Telfair — Month 12 Day 18 Year 09

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month Day Year

Transporter 2 Printed/Typed Name — Signature — Month Day Year

RECEIVED DEC 23 2009 BY

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132 VTD			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. Gardner — Signature — Month 12 Day 21 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754913JJK

Shipment ID Number: 9306-17-0013

Shipment Date: 12/18/2009

Waste ID	Container ID	DESCRIPTION	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	TIDs
117164-01	WNKU 072057-9	PCB Transformers, crushed drums, wooden pallets, plywood	12/11/09	859.6	12420	5633.59	870.35	0030449, 0030448
Totals				**859.6**	**12420**	**5633.59**	**870.35**	

APPENDIX D

PCB WASTE SHIPMENT CERTIFICATES OF DISPOSAL

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ENERGYSOLUTIONS

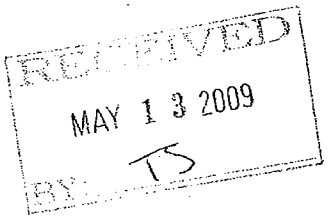
CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT982598898

DOE, PGDP/Paducah,

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (Cu/Ft)	Process	Disposal Location
6202-15-0099	54676	01/29/2009	1,360.0	Landfill	Mixed Waste
6202-15-0100	54677	01/29/2009	1,360.0	Landfill	Mixed Waste
6202-15-0101	54678	02/06/2009	1,360.0	Landfill	Mixed Waste
6202-15-0102	54679	02/06/2009	1,360.0	Landfill	Mixed Waste
6202-15-0103	54680	01/29/2009	1,360.0	Landfill	Mixed Waste
6202-15-0104	54683	02/25/2009	1,360.0	Landfill	Mixed Waste
6202-15-0105	54684	02/25/2009	1,360.0	Landfill	Mixed Waste
6202-15-0108	54693	02/25/2009	618.0	Landfill	Mixed Waste



The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

3/6/09
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754676 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Paducah & Louisville Railway, Inc
U.S. EPA ID Number: KYD000735845 051501702016J 1/9/09

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Np-237, Tc-99, Th-230, U-234, U-235, U-238, U-Dep, Solid/Oxide, 9453 MBq, Fissile Excepted	1	CM	5816	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Railcar: GBRX20704
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 05/10/88
If undeliverable, return to generator
Shipment ID: 6202-15-0099

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE | Signature: Carrie Maxie | Month 12 | Day 31 | Year 08

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Carrie Maxie on behalf of P&L | Signature: Carrie Maxie | Month 12 | Day 31 | Year 08
Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

16. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:

RECEIVED 1-13-09 JAN 13 2009 BY: TS

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee | Signature: Justin Lee | Month 1 | Day 15 | Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754676JJK

Shipment ID Number: 6202-15-0099

Shipment Date: 12/31/2008

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
120108-01	GLDU037420-7	PCB Contaminated Floorsweep and Absorbent	05/10/88	532	21880	9924.55	9452.95
Totals				**532**	**21880**	**9924.55**	**9452.95**

See attached Drum List for specific information for each drum loaded into the bulk container..

Drum List Attachment. Page 3 of 3
Manifest Number: 001754676JJK
Shipment ID Number: 6202-15-0090
Shipment Date: 12/31/2008
Bulk Container ID Number: GLOU037420-7

Barcode	WasteID	RFD	Net Vol	Gross Wt	Description	Origin Date	PCB Date
PAD94C25364	CAS-06184	5570	7.4	235	ZORBALL	7/19/1988	7/19/1988
PAD94C26026	CAS-06197	6605	7.4	205	FLOOR SWEEP	5/10/1988	5/10/1988
PAD94C26025	CAS-06199	6608	7.4	128	FLOOR SWEEP	5/10/1988	5/10/1988
PAD94C25508	CAS-06207	6605	7.4	239	FLOOR SWEEP	5/10/1988	5/10/1988
PAD94C25472	CAS-06210	6605	7.4	227	FLOOR SWEEP	5/10/1988	5/10/1988
PAD94C25167	CAS-06214	6606	7.4	215	FLOOR SWEEP	5/10/1988	5/10/1988
PAD94C25394	CAS-06215	6606	7.4	152	FLOOR SWEEP	5/10/1988	5/10/1988
PAD94C25502	CAS-06216	6606	7.4	234	FLOOR SWEEP	5/10/1988	5/10/1988
PAD94C25503	CAS-06217	6606	7.4	230	FLOOR SWEEP	5/10/1988	5/10/1988
PAD94C25441	CAS-06218	5553	7.4	241	FLOOR SWEEP	5/10/1988	5/10/1988
PAD94C25464	CAS-06220	5553	7.4	236	FLOOR SWEEP	5/10/1988	5/10/1988
PAD94C26085	CAS-06246	6611	7.4	218	FLOOR SWEEP	5/10/1988	5/10/1988
PAD94C25595	CAS-06247	6611	7.4	223	FLOOR SWEEP	5/10/1988	5/10/1988
PAD94C25993	CAS-06257	6614	7.4	236	FLOOR SWEEP	5/10/1988	5/10/1988
PAD94C26028	CAS-06260	6614	7.4	272	FLOOR SWEEP	5/10/1988	5/10/1988
PAD94C25470	CAS-06281	6615	7.4	230	FLOOR SWEEP	6/13/1988	6/13/1988
PAD94C25506	CAS-06283	6615	7.4	233	FLOOR SWEEP	6/13/1988	6/13/1988
PAD94C25507	CAS-06371	6620	7.4	236	FLOOR SWEEP	8/30/1988	8/30/1988
PAD94C26087	CAS-07993	6618	7.4	245	FLOOR SWEEP	9/1/1988	9/1/1988
PAD94C25088	CAS-07994	6618	7.4	200	FLOOR SWEEP	9/1/1988	9/1/1988
PAD94C28055	CAS-07995	6618	7.4	230	FLOOR SWEEP	9/1/1988	9/1/1988
PAD94C25923	CAS-07996	6618	7.4	250	FLOOR SWEEP	9/1/1988	9/1/1988
PAD94C25369	CAS-07997	6618	7.4	230	FLOOR SWEEP	9/1/1988	9/1/1988
PAD94C25959	CAS-07999	6621	7.4	240	FLOOR SWEEP	9/8/1988	9/8/1988
PAD94C25924	CAS-08261	6621	7.4	250	FLOOR SWEEP	9/8/1988	9/8/1988
PAD94C25951	CAS-08263	6622	7.4	210	FLOOR SWEEP	9/13/1988	9/13/1988
PAD94C25952	CAS-08265	6622	7.4	150	FLOOR SWEEP	9/13/1988	9/13/1988
PAD94C25428	CAS-08266	6622	7.4	210	FLOOR SWEEP	9/13/1988	9/13/1988
PAD94C25392	CAS-08267	6622	7.4	260	FLOOR SWEEP	9/13/1988	9/13/1988
PAD94C25429	CAS-08268	6622	7.4	245	FLOOR SWEEP	9/13/1988	9/13/1988
PAD94C25393	CAS-08269	6622	7.4	235	FLOOR SWEEP	9/13/1988	9/13/1988
PAD94C25918	CAS-08270	6622	7.4	190	FLOOR SWEEP	9/13/1988	9/13/1988
PAD94C25402	CAS-08327	6625	7.4	112	FLOOR SWEEP	10/6/1988	10/6/1988
PAD94C25969	CAS-08329	6625	7.4	190	FLOOR SWEEP	10/6/1988	10/6/1988
PAD94C26023	CAS-08330	6625	7.4	187	FLOOR SWEEP	10/6/1988	10/6/1988
PAD94C25438	CAS-08332	6625	7.4	187	FLOOR SWEEP	10/6/1988	10/6/1988
PAD94C25398	CAS-08334	6625	7.4	195	FLOOR SWEEP	10/6/1988	10/6/1988
PAD94C25459	CAS-08335	6625	7.4	183	FLOOR SWEEP	10/6/1988	10/6/1988
PAD94C25443	CAS-08444	7730	7.4	191	FLOOR SWEEP	2/1/1989	2/1/1989
PAD94C25406	CAS-08445	7730	7.4	246	FLOOR SWEEP	2/1/1989	2/1/1989
PAD94C25407	CAS-08446	7730	7.4	216	FLOOR SWEEP	2/1/1989	2/1/1989
PAD94C25442	CAS-08447	7730	7.4	234	FLOOR SWEEP	2/1/1989	2/1/1989
PAD94C25232	CAS-08458	7733	7.4	222	FLOOR SWEEP	3/3/1989	3/3/1989
PAD94C00196	CAS-08754	9245	7.4	101	ZORBALL/RAGS/PADS	11/1/1989	11/1/1989
PAD94C03674	CAS-09644	10708	7.4	411	DIRTY ZORBALL	10/18/1989	10/18/1989
PAD94C00501	CAS-09578	10984	7.4	255	FLOOR SWEEP	10/27/1989	10/26/1989
PAD94C00450	CAS-09561	10984	7.4	293	FLOOR SWEEP	10/27/1989	10/26/1989
PAD94C00503	CAS-09583	10984	7.4	273	FLOOR SWEEP	10/27/1989	10/26/1989
PAD94C00737	CAS-09683	9288	7.4	345	OILY ZORBALL/PADS/TRASH	12/31/1989	12/31/1989
PAD94C00799	CAS-09712	9241	7.4	263	DEBRIS/ZORBALL/RAGS	10/24/1989	10/24/1989
PAD94C00739	CAS-09713	9241	7.4	351	DEBRIS/ZORBALL/RAGS	10/24/1989	10/24/1989
PAD94C00798	CAS-09714	9241	7.4	418	DEBRIS/ZORBALL/RAGS	10/24/1989	10/24/1989
PAD94C00738	CAS-09715	9241	7.4	262	DEBRIS/ZORBALL/RAGS	10/24/1989	10/24/1989
PAD94C00792	CAS-09716	9241	7.4	289	DEBRIS/ZORBALL/RAGS	10/24/1989	10/24/1989
PAD94C00735	CAS-09717	9241	7.4	169	DEBRIS/ZORBALL/RAGS	10/24/1989	10/24/1989
PAD94C00882	CAS-10157	10826	7.4	224	PIG PANS, RAGS, ZORBALL	7/23/1990	7/23/1990
PAD94C00269	CAS-10265	11511	7.4	191	FLOOR SWEEP	6/24/1990	6/14/1990
PAD94C02566	CAS-10280	11041	7.4	168	OIL PADS	7/31/1990	7/31/1990
PAD94C03240	CAS-10740	11554	7.4	244	USED FLOOR SWEEP	8/16/1990	8/1/1990
PAD94C03236	CAS-10757	11555	7.4	227	USED FLOOR SWEEP	8/1/1990	8/1/1990
PAD94C03252	CAS-10758	11555	7.4	236	USED FLOOR SWEEP	8/1/1990	8/1/1990
PAD94C03251	CAS-10759	11555	7.4	256	USED FLOOR SWEEP	8/1/1990	8/1/1990
PAD94C03235	CAS-10760	11555	7.4	262	USED FLOOR SWEEP	8/1/1990	8/1/1990
PAD94C03258	CAS-10761	11555	7.4	225	USED FLOOR SWEEP	8/1/1990	8/1/1990
PAD94C03242	CAS-10762	11555	7.4	244	USED FLOOR SWEEP	8/1/1990	8/1/1990
PAD94C03257	CAS-10763	11555	7.4	271	USED FLOOR SWEEP	8/1/1990	8/1/1990
PAD94C03241	CAS-10764	11555	7.4	252	USED FLOOR SWEEP	8/1/1990	8/1/1990
PAD94C03243	CAS-10767	11555	7.4	236	USED FLOOR SWEEP	8/1/1990	8/1/1990
PAD94C03255	CAS-10768	11555	7.4	233	USED FLOOR SWEEP	8/1/1990	8/1/1990
PAD94C01029	CAS-10818	10759	7.4	83	OIL MATS, ZORBALL ETC.	9/4/1990	8/4/1990
PAD94C03217	CAS-10831	10838	7.4	104	PADDING & PIG PANS	9/4/1990	9/4/1990
PAD94C02391	CAS-10190	7750	7.4	232	FLOOR SWEEP	9/27/1989	9/27/1989

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754677 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Paducah & Louisville Railway, Inc
U.S. EPA ID Number: KYD000235845

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Am-241, Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 9937 MBq, Fissile Excepted	1	CM	5692	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Railcar: GBRX20704
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT. See PCB Attachment for Additional Info
PCB Start Date: 05/10/88
If undeliverable, return to generator
Shipment ID: 6202-15-0100

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE
Signature: Carrie Maxie
Month 12 Day 31 Year 08

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Carrie Maxie on behalf of P&L
Signature: Carrie Maxie
Month 12 Day 31 Year 08
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

RECEIVED
JAN 13 2009
BY:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee
Signature
Month 1 Day 15 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754677JJK

Shipment ID Number: 6202-15-0100

Shipment Date: 12/31/2008

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
120108-02	WNKU072306-9	PCB Contaminated Floorsweep and Absorbent	05/10/88	533	21400	9706.83	9936.94
Totals				**533**	**21400**	**9706.83**	**9936.94**

See attached Drum List for specific information for each drum loaded into the bulk container.

Drum List Attachment, Page 3 of 3
Manifest Number: 001754677JJK
Shipment ID Number: 0202-15-0100
Shipment Date: 12/31/2008
Bulk Container ID Number: WNKU072306-9

Barcode	WasteID	RFD	Nal Vol	Gross Wt	Description	Origin Date	PCB Date
PAD94C25514	CAS-06228	6610	7.4	235	FLOOR SWEEP	5/10/1988	5/10/1988
PAD94C25515	CAS-06227	6610	7.4	270	FLOOR SWEEP	5/10/1988	5/10/1988
PAD94C26027	CAS-06252	6612	7.4	216	FLOOR SWEEP	5/10/1988	5/10/1988
PAD94C03906	CAS-08310	8147	7.4	447	FLOOR SWEEP	9/8/1989	9/8/1989
PAD94C03607	CAS-08570	7729	7.4	244	FLOOR SWEEP	1/19/1989	1/19/1989
PAD94C03586	CAS-08572	7729	7.4	219	FLOOR SWEEP	1/19/1989	1/19/1989
PAD94C02920	CAS-09576	7735	7.4	230	FLOOR SWEEP	3/3/1989	3/3/1989
PAD94C00467	CAS-09471	5087	7.4	243	ZORBALL	12/4/1989	12/4/1989
PAD94C00425	CAS-09472	10992	7.4	268	FLOOR SWEEP	12/14/1989	1/3/1990
PAD94C00488	CAS-09475	10992	7.4	168	FLOOR SWEEP	12/14/1989	1/3/1990
PAD94C00433	CAS-09476	10992	7.4	226	FLOOR SWEEP	12/14/1989	1/3/1990
PAD94C00434	CAS-09477	10992	7.4	237	FLOOR SWEEP	12/14/1989	1/3/1990
PAD94C00500	CAS-09508	2139	7.4	147	ZORBALL PER RFD/FLR SWP PER ET	11/4/1989	11/4/1989
PAD94C01007	CAS-08519	10986	7.4	253	FLOOR SWEEP	11/2/1989	11/2/1989
PAD94C03619	CAS-09545	10993	7.4	235	FLOOR SWEEP	1/3/1990	1/3/1990
PAD94C03518	CAS-09547	10993	7.4	224	FLOOR SWEEP	1/3/1990	1/3/1990
PAD94C03640	CAS-09548	10993	7.4	251	FLOOR SWEEP	1/3/1990	1/3/1990
PAD94C03572	CAS-09549	10993	7.4	230	FLOOR SWEEP	1/3/1990	1/3/1990
PAD94C03573	CAS-09551	10993	7.4	258	FLOOR SWEEP	1/3/1990	1/3/1990
PAD94C03704	CAS-09552	10993	7.4	205	FLOOR SWEEP	1/3/1990	1/3/1990
PAD94C00449	CAS-09579	10984	7.4	244	FLOOR SWEEP	10/27/1989	10/28/1989
PAD94C00498	CAS-09593	10982	7.4	223	FLOOR SWEEP	10/26/1989	10/31/1989
PAD94C00443	CAS-09594	10982	7.4	215	FLOOR SWEEP	10/26/1989	10/31/1989
PAD94C00444	CAS-09595	10982	7.4	245	FLOOR SWEEP	10/26/1989	10/31/1989
PAD94C00437	CAS-09598	10982	7.4	251	FLOOR SWEEP	10/26/1989	10/31/1989
PAD94C00431	CAS-09634	10988	7.4	286	FLOOR SWEEP	11/7/1989	11/7/1989
PAD94C00432	CAS-09635	10988	7.4	236	FLOOR SWEEP	11/7/1989	11/7/1989
PAD94C00486	CAS-09636	10988	7.4	278	FLOOR SWEEP	11/7/1989	11/7/1989
PAD94C00485	CAS-09637	10988	7.4	232	FLOOR SWEEP	11/7/1989	11/7/1989
PAD94C00798	CAS-09681	9288	7.4	245	OILY ZORBALL/PADS/TRASH	12/31/1989	12/31/1989
PAD94C00736	CAS-09684	9288	7.4	245	OILY ZORBALL/PADS/TRASH	12/31/1989	12/31/1989
PAD94C00455	CAS-10081	11505	7.4	240	FLOOR SWEEP	3/1/1990	3/1/1990
PAD94C00273	CAS-10084	11505	7.4	239	FLOOR SWEEP	3/1/1990	3/1/1990
PAD94C00286	CAS-10079	11576	7.4	224	FLOOR SWEEP	3/7/1990	3/12/1990
PAD94C00289	CAS-10080	11576	7.4	242	FLOOR SWEEP	3/7/1990	3/12/1990
PAD94C00150	CAS-10081	11576	7.4	209	FLOOR SWEEP	3/7/1990	3/12/1990
PAD94C00938	CAS-10156	10826	7.4	169	PIG PANS, RAGS, ZORBALL	7/23/1990	7/23/1990
PAD94C00881	CAS-10159	10828	7.4	105	PADS, ZORBAL, GLOVES, RAGS, PANS	7/29/1990	7/29/1990
PAD94C00937	CAS-10160	10828	7.4	70	PADS, ZORBAL, GLOVES, RAGS, PANS	7/29/1990	7/29/1990
PAD94C00904	CAS-10106	11529	7.4	272	FLOOR SWEEP	6/28/1990	6/18/1990
PAD94C00860	CAS-10167	11529	7.4	227	FLOOR SWEEP	6/28/1990	6/15/1990
PAD94C00861	CAS-10168	11529	7.4	223	FLOOR SWEEP	6/28/1990	6/19/1990
PAD94C00903	CAS-10169	11529	7.4	245	FLOOR SWEEP	6/28/1990	6/20/1990
PAD94C00852	CAS-10174	11529	7.4	237	FLOOR SWEEP	6/28/1990	6/28/1990
PAD94C00912	CAS-10175	11529	7.4	234	FLOOR SWEEP	6/28/1990	6/13/1990
PAD94C00911	CAS-10176	11529	7.4	271	FLOOR SWEEP	6/28/1990	6/21/1990
PAD94C00859	CAS-10177	11529	7.4	239	FLOOR SWEEP	6/28/1990	6/11/1990
PAD94C00862	CAS-10250	11526	7.4	250	FLOOR SWEEP	4/17/1990	4/17/1990
PAD94C00948	CAS-10251	11526	7.4	240	FLOOR SWEEP	4/17/1990	4/17/1990
PAD94C00891	CAS-10252	11526	7.4	225	FLOOR SWEEP	4/17/1990	4/17/1990
PAD94C00864	CAS-10263	11511	7.4	242	FLOOR SWEEP	6/24/1990	6/6/1990
PAD94C00925	CAS-10267	11511	7.4	241	FLOOR SWEEP	6/24/1990	6/14/1990
PAD94C00926	CAS-10268	11511	7.4	250	FLOOR SWEEP	6/24/1990	6/14/1990
PAD94C00923	CAS-10294	11507	7.4	205	FLOOR SWEEP	4/2/1990	3/28/1990
PAD94C00886	CAS-10297	11507	7.4	225	FLOOR SWEEP	4/2/1990	3/28/1990
PAD94C01067	CAS-10360	11553	7.4	242	FLOOR SWEEP	5/27/1990	2/4/1990
PAD94C00276	CAS-10363	11553	7.4	243	FLOOR SWEEP	5/27/1990	5/27/1990
PAD94C00397	CAS-10365	11553	7.4	209	FLOOR SWEEP	5/27/1990	3/19/1990
PAD94C00741	CAS-10400	11577	7.4	217	FLOOR SWEEP	5/2/1990	5/11/1990
PAD94C00835	CAS-10728	11512	7.4	233	USED FLOOR SWEEP	8/23/1990	8/24/1990
PAD94C00774	CAS-10729	11512	7.4	236	USED FLOOR SWEEP	8/23/1990	8/24/1990
PAD94C00775	CAS-10730	11512	7.4	245	USED FLOOR SWEEP	8/23/1990	8/24/1990
PAD94C00937	CAS-10834	10839	7.4	91	WASTE PADS, PIGS & ZORBALL	9/5/1990	9/5/1990
PAD94C01038	CAS-10843	10839	7.4	58	WASTE PADS, PIGS & ZORBALL	9/5/1990	9/5/1990
PAD94C00815	CAS-10944	11576	7.4	231	USED FLOOR SWEEP	8/10/1990	8/10/1990
PAD94C02945	CAS-14658	669	7.4	247	FLOOR SWEEP	7/24/1989	7/24/1989
PAD94C03597	CAS-14742	7734	7.4	185	FLOOR SWEEP	3/3/1989	3/3/1989
PAD94C03005	CAS-15079	10468	7.4	426	ZORBALL	9/21/1989	9/21/1989
PAD94C02972	CAS-15101	7745	7.4	223	SWEEPING COMPOUND	9/5/1989	9/5/1989
PAD94C03013	CAS-15112	7745	7.4	214	ZORBALL	9/5/1989	9/5/1989
PAD94C02948	CAS-15114	7745	7.4	221	ZORBALL	9/5/1989	9/5/1989
PAD94C03606	CAS-15257	7750	7.4	228	FLOOR SWEEP	9/27/1989	9/27/1989

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: KY 8890008982
2. Page 1 of 3
3. Emergency Response Phone: 1-270-441-6211
4. Manifest Tracking Number: 001754678 JJK

5. Generator's Name and Mailing Address:
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address):
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Paducah & Louisville Railway, Inc
U.S. EPA ID Number: ~~051501702016J~~ KYD000735845 (handwritten correction, initialed 3/2/09)

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Am-241, Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 9875 MBq, Fissile Excepted	1	CM	5656	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Railcar: GBRX20704
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 05/10/88
If undeliverable, return to generator
Shipment ID: 6202-15-0101

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of US DOE
Signature: Carrie Maxie
Month/Day/Year: 12/31/08

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Carrie Maxie on behalf of P&L
Signature: Carrie Maxie
Month/Day/Year: 12/31/08
Transporter 2 Printed/Typed Name: Signature: Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

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19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee
Signature: Justin Lee
Month/Day/Year: 1/15/09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.
DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754678JJK

Shipment ID Number: 6202-15-0101

Shipment Date: 12/31/2008

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
120108-03	GLDU035366-8	PCB Contaminated Floorsweep and Absorbent	05/10/88	550	21840	9906.41	9875.17
Totals				**550**	**21840**	**9906.41**	9875.17

See attached Drum List for specific information for each drum loaded into the bulk container.

Drum List Attachment, Page 3 of 3
Manifest Number: 001754678JJK
Shipment ID Number: 6202-15-0101
Shipment Date: 12/31/2008
Bulk Container ID Number: GLDU035366-8

Barcode	WasteID	RFD	Net Wt	Gross Wt	Description	Origin Date	PCB Date
PAD94C25478	CAS-06225	6610	7.4	258	FLOOR SWEEP	5/10/1988	5/10/1988
PAD94C25395	CAS-06229	6610	7.4	236	FLOOR SWEEP	5/10/1988	5/10/1988
PAD94C25431	CAS-06230	6610	7.4	238	FLOOR SWEEP	5/10/1988	5/10/1988
PAD94C25954	CAS-06249	6612	7.4	219	FLOOR SWEEP	5/10/1988	5/10/1988
PAD94C26056	CAS-06251	6612	7.4	210	FLOOR SWEEP	5/10/1988	5/10/1988
PAD94C25330	CAS-06309	6623	7.4	222	FLOOR SWEEP	9/22/1988	9/22/1988
PAD94C25031	CAS-06309	6623	7.4	217	FLOOR SWEEP	9/22/1988	9/22/1988
PAD94C25027	CAS-06310	6623	7.4	220	FLOOR SWEEP	9/22/1988	9/22/1988
PAD94C25366	CAS-06311	6623	7.4	243	FLOOR SWEEP	9/22/1988	9/22/1988
PAD94C25367	CAS-06313	6623	7.4	208	FLOOR SWEEP	9/22/1988	9/22/1988
PAD94C25328	CAS-06314	6623	7.4	227	FLOOR SWEEP	9/22/1988	9/22/1988
PAD94C25362	CAS-06315	6623	7.4	229	FLOOR SWEEP	9/22/1988	9/22/1988
PAD94C25433	CAS-06461	7726	7.4	248	FLOOR SWEEP	3/29/1989	3/29/1989
PAD94C25397	CAS-06464	7726	7.4	172	FLOOR SWEEP	3/29/1989	3/29/1989
PAD94C03253	CAS-06465	7726	7.4	246	FLOOR SWEEP	3/29/1989	3/29/1989
PAD94C03608	CAS-06567	7729	7.4	236	FLOOR SWEEP	7/19/1989	7/19/1989
PAD94C03611	CAS-06569	7729	7.4	202	FLOOR SWEEP	7/19/1989	7/19/1989
PAD94C03725	CAS-06574	7729	7.4	277	FLOOR SWEEP	7/19/1989	7/19/1989
PAD94C03087	CAS-06510	10737	11.4	349	ZORBALL	11/5/1989	11/5/1989
PAD94C03617	CAS-06520	10986	7.4	239	FLOOR SWEEP	11/2/1989	11/2/1989
PAD94C03616	CAS-06521	10986	7.4	248	FLOOR SWEEP	11/2/1989	11/2/1989
PAD94C03838	CAS-06522	10986	7.4	212	FLOOR SWEEP	11/2/1989	11/2/1989
PAD94C03639	CAS-06523	10986	7.4	191	FLOOR SWEEP	11/2/1989	11/2/1989
PAD94C03699	CAS-06524	10986	7.4	253	FLOOR SWEEP	11/2/1989	11/2/1989
PAD94C03697	CAS-06525	10986	7.4	247	FLOOR SWEEP	11/2/1989	11/2/1989
PAD94C00180	CAS-06622	10988	7.4	202	FLOOR SWEEP	11/7/1989	11/7/1989
PAD94C00179	CAS-06623	10988	7.4	229	FLOOR SWEEP	11/7/1989	11/7/1989
PAD94C00231	CAS-06624	10988	7.4	242	FLOOR SWEEP	11/7/1989	11/7/1989
PAD94C00230	CAS-06625	10988	7.4	252	FLOOR SWEEP	11/7/1989	11/7/1989
PAD94C00484	CAS-06626	10988	7.4	243	FLOOR SWEEP	11/7/1989	11/7/1989
PAD94C00483	CAS-06627	10988	7.4	311	FLOOR SWEEP	11/7/1989	11/7/1989
PAD94C00429	CAS-06628	10988	7.4	313	FLOOR SWEEP	11/7/1989	11/7/1989
PAD94C00430	CAS-06629	10988	7.4	244	FLOOR SWEEP	11/7/1989	11/7/1989
PAD94C00435	CAS-06630	10988	7.4	233	FLOOR SWEEP	11/7/1989	11/7/1989
PAD94C00489	CAS-06632	10988	7.4	248	FLOOR SWEEP	11/7/1989	11/7/1989
PAD94C00490	CAS-06633	10988	7.4	331	FLOOR SWEEP	11/7/1989	11/7/1989
PAD94C00184	CAS-06671	9288	7.4	120	OILY ZORBALL/PADS/TRASH	12/31/1989	12/31/1989
PAD94C00734	CAS-06709	0242	7.4	301	OILY ZORBALL	10/25/1989	10/25/1989
PAD94C00274	CAS-10062	11505	7.4	238	FLOOR SWEEP	3/1/1990	3/1/1990
PAD94C00275	CAS-10065	11505	7.4	272	FLOOR SWEEP	3/1/1990	3/1/1990
PAD94C00147	CAS-10066	11505	7.4	249	FLOOR SWEEP	3/1/1990	3/1/1990
PAD94C00146	CAS-10068	11505	7.4	270	FLOOR SWEEP	3/1/1990	3/1/1990
PAD94C00282	CAS-10069	11505	7.4	237	FLOOR SWEEP	3/1/1990	3/1/1990
PAD94C00138	CAS-10071	11505	7.4	277	FLOOR SWEEP	3/1/1990	3/1/1990
PAD94C03104	CAS-10124	11616	11.4	146	PADS	4/16/1990	4/16/1990
PAD94C00877	CAS-10164	10812	7.4	115	PADS	6/13/1990	6/13/1990
PAD94C00856	CAS-10170	11529	7.4	234	FLOOR SWEEP	6/28/1990	6/7/1990
PAD94C00907	CAS-10172	11529	7.4	247	FLOOR SWEEP	6/28/1990	6/28/1990
PAD94C00909	CAS-10178	11529	7.4	274	FLOOR SWEEP	6/28/1990	6/25/1990
PAD94C00910	CAS-10179	11529	7.4	255	FLOOR SWEEP	6/28/1990	6/25/1990
PAD94C00870	CAS-10242	11526	7.4	242	FLOOR SWEEP	4/17/1990	4/17/1990
PAD94C00946	CAS-10244	11526	7.4	219	FLOOR SWEEP	4/17/1990	4/17/1990
PAD94C00939	CAS-10254	11526	7.4	283	FLOOR SWEEP	4/17/1990	4/17/1990
PAD94C00945	CAS-10255	11526	7.4	287	FLOOR SWEEP	4/17/1990	4/17/1990
PAD94C00860	CAS-10266	11511	7.4	207	FLOOR SWEEP	6/24/1990	6/14/1990
PAD94C00927	CAS-10271	11511	7.4	186	FLOOR SWEEP	6/24/1990	6/14/1990
PAD94C00854	CAS-10362	11553	7.4	214	FLOOR SWEEP	5/27/1990	3/12/1990
PAD94C00835	CAS-10462	11577	7.4	257	FLOOR SWEEP	5/2/1990	5/1/1990
PAD94C03120	CAS-10406	11612	11.4	359	ZORBALL	4/6/1990	4/6/1990
PAD94C00755	CAS-10943	11578	7.4	251	USED FLOOR SWEEP	8/10/1990	8/10/1990
PAD94C03581	CAS-14747	7734	7.4	193	FLOOR SWEEP	3/3/1989	3-3/1989
PAD94C02948	CAS-15113	7745	7.4	198	ZORBALL	9/5/1989	9/5/1989
PAD94C03166	CAS-15135	8214	11.4	488	ZORBALL	3/19/1989	3/19/1989
PAD94C02081	CAS-15139	18307	7.4	413	FLOOR SWEEP	4/30/1992	5/10/1991
PAD94C03371	CAS-15195	18307	7.4	135	FLOOR SWEEP	4/30/1992	5/10/1991
PAD94C03610	CAS-15248	10978	7.4	317	FLOOR SWEEP	9/20/1989	9/20/1989
PAD94C35032	CAS-15248	10978	11.4	223	FLOOR SWEEP	9/20/1989	9/20/1989
PAD94C03042	CAS-15255	10978	7.4	177	FLOOR SWEEP	9/20/1989	9/20/1989
PAD94C03164	CAS-10019	10842	11.4	160	PIG PANS,PADS,TRASH	10/8/1990	10/8/1990

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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number KY 8890008982	2. Page 1 of 3	3. Emergency Response Phone 1-270-441-6211	4. Manifest Tracking Number 001754679 JJK

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Paducah & Louisville Railway, Inc
U.S. EPA ID Number ~~051501702016T~~ KYD000755895 3/8/09

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Am-241, Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 10038 MBq, Fissile Excepted	1	CM	5750	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Railcar: GBRX20704
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 05/10/88
If undeliverable, return to generator
Shipment ID: 6202-15-0102

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE — Signature: [signature] — Month Day Year: 12 31 08

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Carrie Maxie on behalf of P&L — Signature: [signature] — Month Day Year: 12 31 08
Transporter 2 Printed/Typed Name: Signature: Month Day Year

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18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee — Signature: [signature] — Month Day Year: 1 15 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Drum List Attachment, Page 3 of 3
Manifest Number: 001754679JJK
Shipment ID Number: 6202-15-0102
Shipment Date: 12/31/0038
Bulk Container ID Number: BNU801801-8

Barcode	WasteID	RFD	Net Vol	Gross Wt	Description	Origin Date	PCB Date
PAD94C00053	CAS-09250	8812	7.4	212	FLOOR SWEEP	5/10/1988	5/10/1988
PAD94C03089	CAS-09307	8147	11.4	371	FLOOR SWEEP	9/8/1989	9/8/1989
PAD94C03689	CAS-09342	8616	7.4	348	FLOOR SWEEP	6/25/1988	6/23/1988
PAD94C03598	CAS-09345	8617	7.4	230	FLOOR SWEEP	6/27/1988	6/27/1988
PAD94C26033	CAS-09346	8617	7.4	256	FLOOR SWEEP	6/27/1988	6/27/1988
PAD94C25986	CAS-09347	8617	7.4	250	FLOOR SWEEP	6/27/1988	6/27/1988
PAD94C26032	CAS-09348	8617	7.4	185	FLOOR SWEEP	6/27/1988	6/27/1988
PAD94C25379	CAS-09359	5298	7.4	144	OILY PADS/PIGS/RAGS	5/1/1988	5/1/1988
PAD94C02946	CAS-09367	8147	7.4	427	FLOOR SWEEP	9/6/1989	9/8/1989
PAD94C25435	CAS-09262	7354	7.4	440	ZORBALL	9/20/1988	9/20/1988
PAD94C25363	CAS-09312	6623	7.4	219	FLOOR SWEEP	9/22/1988	9/22/1988
PAD94C25988	CAS-09333	6625	7.4	165	FLOOR SWEEP	10/6/1988	10/6/1988
PAD94C03588	CAS-09560	7729	7.4	234	FLOOR SWEEP	1/19/1989	1/19/1989
PAD94C03603	CAS-09565	7729	7.4	209	FLOOR SWEEP	1/19/1989	1/19/1989
PAD94C03626	CAS-09512	10980	7.4	254	FLOOR SWEEP	11/2/1989	11/2/1989
PAD94C03614	CAS-09513	10980	7.4	233	FLOOR SWEEP	11/2/1989	11/2/1989
PAD94C03637	CAS-09514	10986	7.4	222	FLOOR SWEEP	11/2/1989	11/2/1989
PAD94C01665	CAS-09517	10986	7.4	249	FLOOR SWEEP	11/2/1989	11/2/1989
PAD94C01908	CAS-09516	10986	7.4	226	FLOOR SWEEP	11/2/1989	11/2/1989
PAD94C00398	CAS-09530	10977	7.4	308	ZORBALL	11/27/1989	11/28/1989
PAD94C03676	CAS-09553	10993	7.4	245	FLOOR SWEEP	1/3/1990	1/3/1990
PAD94C03708	CAS-09556	10993	7.4	445	FLOOR SWEEP	1/3/1990	1/3/1990
PAD94C03709	CAS-09557	10993	7.4	218	FLOOR SWEEP	1/3/1990	1/3/1990
PAD94C03702	CAS-09558	10993	7.4	226	FLOOR SWEEP	1/3/1990	1/3/1990
PAD94C00181	CAS-09587	2140	7.4	283	ZORBALL	11/7/1989	11/7/1989
PAD94C00491	CAS-09580	10982	7.4	234	FLOOR SWEEP	10/26/1989	10/31/1989
PAD94C00438	CAS-09600	10982	7.4	213	FLOOR SWEEP	10/26/1989	10/31/1989
PAD94C00482	CAS-09657	9288	7.4	150	OILY ZORBALL/PADS/TRASH	12/31/1989	12/31/1989
PAD94C22932	CAS-09604	9254	7.4	418	OILY ZORBALL	10/26/1989	10/26/1989
PAD94C03195	CAS-09780	7986	11.4	470	ZORBALL; FLOOR SWEEP	7/12/1989	7/12/1989
PAD94C00142	CAS-09804	7075	7.4	342	ZORBALL (OIL SOAKED)/TRASH	11/1/1989	11/1/1989
PAD94C00622	CAS-09951	9479	7.4	225	ZORBALL	7/25/1989	5/8/1990
PAD94C00681	CAS-09952	9479	7.4	225	ZORBALL	7/25/1989	5/8/1990
PAD94C00139	CAS-10057	11505	7.4	258	FLOOR SWEEP	3/1/1990	3/1/1990
PAD94C00405	CAS-10070	11505	7.4	218	FLOOR SWEEP	3/1/1990	3/1/1990
PAD94C00283	CAS-10072	11505	7.4	246	FLOOR SWEEP	3/1/1990	3/1/1990
PAD94C03007	CAS-10154	9235	7.4	387	ZORBALL	10/3/1989	10/3/1989
PAD94C00888	CAS-10246	11526	7.4	206	FLOOR SWEEP	4/17/1990	4/17/1990
PAD94C00944	CAS-10247	11526	7.4	252	FLOOR SWEEP	4/17/1990	4/17/1990
PAD94C00887	CAS-10248	11526	7.4	238	FLOOR SWEEP	4/17/1990	4/17/1990
PAD94C00943	CAS-10249	11526	7.4	249	FLOOR SWEEP	4/17/1990	4/17/1990
PAD94C00922	CAS-10284	11511	7.4	266	FLOOR SWEEP	6/24/1990	6/6/1990
PAD94C00928	CAS-10358	11553	7.4	214	FLOOR SWEEP	5/27/1990	5/27/1990
PAD94C00872	CAS-10361	11553	7.4	229	FLOOR SWEEP	5/27/1990	5/8/1990
PAD94C00254	CAS-10364	11553	7.4	224	FLOOR SWEEP	5/27/1990	5/27/1990
PAD94C00251	CAS-10366	11553	7.4	213	FLOORSWEEP	5/27/1990	5/8/1990
PAD94C02423	CAS-10384	11638	7.4	469	ZORBALL	7/30/1990	7/30/1990
PAD94C00584	CAS-10429	11606	7.4	107	PADS/PIGS	4/3/1990	4/3/1990
PAD94C00256	CAS-10738	11554	7.4	246	USED FLOOR SWEEP	5/16/1990	6/1/1990
PAD94C00990	CAS-10833	10839	7.4	110	WASTE PADS, PIGS & ZORBALL	9/5/1990	9/5/1990
PAD94C01055	CAS-10835	10839	7.4	110	WASTE PADS, PIGS & ZORBALL	9/5/1990	9/5/1990
PAD94C00227	CAS-10837	10839	7.4	87	PADS/PIGS/RAGS/OWS/ETC.	9/5/1990	9/5/1990
PAD94C01032	CAS-10842	10839	7.4	108	WASTE PADS, PIGS & ZORBALL	9/5/1990	9/5/1990
PAD94C00772	CAS-10842	11578	7.4	126	USED FLOOR SWEEP	8/10/1990	8/10/1990
PAD94C01033	CAS-10857	10831	7.4	98	OIL SOAKED PADDING & PIG PANS	8/3/1990	8/3/1990
PAD94C00410	CAS-10861	10831	7.4	105	OIL SOAKED PADDING & PIG PANS	8/3/1990	8/3/1990
PAD94C24839	CAS-11197	13851	7.4	226	FLOOR SWEEP	12/3/1990	7/12/1989
PAD94C04280	CAS-14080	10975	11.4	294	FLOORSWEEP	8/23/1989	8/23/1989
PAD94C03594	CAS-14743	7734	7.4	225	FLOOR SWEEP	3/3/1989	3/3/1989
PAD94C03595	CAS-14748	7734	7.4	227	FLOOR SWEEP	3/3/1989	3/3/1989
PAD94C03729	CAS-14751	7740	7.4	196	FLOOR SWEEP	3/21/1989	3/21/1989
PAD95C01892	CAS-14753	8147	11.4	230	OILY ZORBALL/METAL	9/8/1989	9/8/1989
PAD94C02372	CAS-15142	7740	7.4	200	FLOOR SWEEP	3/21/1989	3/21/1989
PAD94C02378	CAS-15149	7740	7.4	226	FLOOR SWEEP	3/21/1989	3/21/1989
PAD94C02609	CAS-15150	7740	7.4	217	FLOOR SWEEP	3/21/1989	3/21/1989
PAD94C03634	CAS-15151	7740	7.4	420	FLOOR SWEEP	3/21/1989	3/21/1989
PAD94C03628	CAS-15152	7740	7.4	211	FLOOR SWEEP	3/21/1989	3/21/1989
PAD94C02377	CAS-15153	7740	7.4	128	FLOOR SWEEP	3/21/1989	3/21/1989
PAD94C03568	CAS-15258	7750	7.4	240	FLOOR SWEEP	9/27/1989	9/27/1989

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754679JJK

Shipment ID Number: 6202-15-0102

Shipment Date: 12/31/2008

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
120108-04	JINU801801-8	PCB Contaminated Floorsweep and Absorbent	05/10/88	534	21800	9888.26	10038.30
Totals				534	21800	9888.26	10038.30

See attached Drum List for specific information for each drum loaded into the bulk container.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number: KY 8890008982	2. Page 1 of 3	3. Emergency Response Phone: 1-270-441-6211	4. Manifest Tracking Number: 001754680 JJK

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd.
Kevil, KY 42053

6. Transporter 1 Company Name: Paducah & Louisville Railway, Inc
U.S. EPA ID Number: ~~051501702016J~~ KYD000738895

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Np-237, Tc-99, Th-230, U-234, U-235, U-238, U-Dep, Solid/Oxide, 8111 MBq, Fissile Excepted	1	CM	4990	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Railcar: GBRX20663 PR05694
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 01/19/87
If undeliverable, return to generator
Shipment ID: 6202-15-0103

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of US DOE | Signature: [signature] | Month/Day/Year: 12/31/08

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Carrie Maxie on behalf of P&L | Signature: [signature] | Month/Day/Year: 12/31/08
Transporter 2 Printed/Typed Name | Signature | Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

RECEIVED JAN 13 2008 BY: 1-13-09 T.S.

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee | Signature: [signature] | Month/Day/Year: 1/15/09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.
DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754680JJK

Shipment ID Number: 6202-15-0103

Shipment Date: 12/31/2008

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
120108-05	TTNU239522-7	PCB Contaminated Floorsweep and Absorbent	01/19/87	517	20440	9271.38	8111.17
Totals				**517**	**20440**	9271.38	8111.17

See attached Drum List for specific information for each drum loaded into the bulk container.

Drum List Attachment. Page 3 of 3

Manifest Number: 001754080JJK

Shipment ID Number: 6202-15-0103

Shipment Date: 12/31/2008

Bulk Container ID Number: TTNU239523-7

Barcode	WasteID	PFD	Net Vol	Gross Wt	Description	Drum Date	PCB Date
PAD04C25984	CAS-06145	5550	7.4	392	OILY ZORBALL	5/12/1988	5/17/1988
PAD04C25550	CAS-06148	5523	7.4	152	ABSORBENTS	5/10/1988	5/10/1988
PAD04C25950	CAS-06157	5587	7.4	190	OILY ZORBALL	5/20/1988	6/20/1988
PAD04C25591	CAS-06180	5529	7.4	230	ABSORBENTS	5/10/1988	5/10/1988
PAD04C25378	CAS-06185	5670	7.4	225	OILY ZORBALL	7/11/1988	7/15/1988
PAD04C25473	CAS-00206	6005	7.4	262	FLOOR SWEEP	5/10/1988	5/10/1988
PAD04C25381	CAS-00211	6006	7.4	242	FLOOR SWEEP	5/10/1988	5/10/1988
PAD04C25360	CAS-00212	6700	7.4	238	FLOOR SWEEP	5/10/1988	5/10/1988
PAD04C25410	CAS-01219	5553	7.4	242	FLOOR SWEEP	5/10/1988	5/10/1988
PAD04C25405	CAS-00221	6053	7.4	258	FLOOR SWEEP	5/10/1988	5/10/1988
PAD04C25375	CAS-00222	6047	7.4	212	FLOOR SWEEP	5/10/1988	5/10/1988
PAD04C25324	CAS-00223	6407	7.4	242	FLOOR SWEEP	5/10/1988	5/10/1988
PAD84C26021	CAS-00244	5727	7.4	167	ZORBALL/TRASH	5/10/1988	5/10/1988
PAD04C26054	CAS-00254	6614	7.4	234	FLOOR SWEEP	5/10/1988	5/10/1988
PAD04C26018	CAS-00255	6614	7.4	220	FLOOR SWEEP	5/10/1988	5/10/1988
PAD04C26020	CAS-00256	6614	7.4	224	FLOOR SWEEP	5/10/1988	5/10/1988
PAD04C25985	CAS-00258	6614	7.4	257	FLOOR SWEEP	5/10/1988	5/10/1988
PAD01C25401	CAS-00270	6615	7.4	278	FLOOR SWEEP	6/13/1988	6/13/1988
PAD01C25400	CAS-00287	6616	7.4	225	FLOOR SWEEP	6/13/1988	6/13/1988
PAD04C25436	CAS-00284	6015	7.4	210	FLOOR SWEEP	6/13/1988	6/13/1988
PAD01C25500	CAS-07508	6621	7.4	220	FLOOR SWEEP	9/8/1988	9/8/1988
PAD04C25019	CAS-00284	6622	7.4	230	FLOOR SWEEP	9/13/1988	9/13/1988
PAD04C25465	CAS-00271	6622	7.4	245	FLOOR SWEEP	9/13/1988	9/13/1988
PAD04C25501	CAS-00272	6622	7.4	240	FLOOR SWEEP	9/13/1988	9/13/1988
PAD04C25161	CAS-00273	6672	7.4	240	FLOOR SWEEP	9/13/1988	9/13/1988
PAD01C26024	CAS-08326	6075	7.4	209	FLOOR SWEEP	10/6/1988	10/6/1988
PAD01C25403	CAS-08331	8025	7.4	169	ABSORBENTS	10/6/1988	10/6/1988
PAD04C00312	CAS-08360	5715	7.4	420	SAND/ZORBALL	11/21/1988	11/21/1988
PAD04C25322	CAS-08440	7730	7.4	241	FLOOR SWEEP	2/1/1989	2/1/1989
PAD04C25358	CAS-08441	7730	7.4	210	FLOOR SWEEP	2/1/1989	2/1/1989
PAD04C25359	CAS-08442	7730	7.4	244	FLOOR SWEEP	2/1/1989	2/1/1989
PAD04C25323	CAS-08443	7730	7.4	283	FLOOR SWEEP	2/1/1989	2/1/1989
PAD04C25357	CAS-08448	7731	7.4	246	FLOOR SWEEP	2/1/1989	2/1/1989
PAD01C04950	CAS-08453	7732	11.4	207	FLOOR SWEEP	2/3/1989	2/3/1989
PAD07C03565	CAS-08456	7733	11.4	320	FLOOR SWEEP	3/3/1989	3/3/1989
PAD84C00442	CAS-08753	9245	7.4	151	ZORBALL/RAGS/PADS	11/1/1989	11/1/1989
PAD04C00192	CAS-08755	9245	7.4	80	ZORBALL/RAGS/PADS	11/1/1989	11/1/1989
PAD04C00490	CAS-08756	9245	7.4	84	ZORBALL/RAGS/PADS	11/1/1989	11/1/1989
PAD04C00355	CAS-09507	2130	7.4	110	ZORBALL	11/4/1989	11/4/1989
PAD01C00141	CAS-09582	10084	7.4	330	FLOOR SWEEP	10/27/1989	10/20/1989
PAD04C01081	CAS-09602	10240	11.4	151	FLOOR SWEEP	2/8/1990	2/8/1990
PAD04C00235	CAS-05070	5288	7.4	120	OILY ZORBALL/PADS/TRASH	12/31/1989	12/31/1989
PAD04C00183	CAS-09072	5288	7.4	120	OILY ZORBALL/PADS/TRASH	12/31/1989	12/31/1989
PAD04C01337	CAS-09502	8288	11.4	325	OILY ZORBALL/PADS/TRASH	12/31/1989	12/31/1989
PAD04C00555	CAS-10183	10800	7.4	120	PIG PANS	6/12/1990	6/12/1990
PAD01C00603	CAS-10323	10204	7.4	107	FLOOR SWEEP	6/24/1990	6/24/1990
PAD04C02002	CAS-10361	11842	7.4	102	OIL PADS	7/31/1990	7/31/1990
PAD04C03071	CAS-10363	11029	11.4	219	PADS & PIGS	7/31/1990	7/31/1990
PAD81C03030	CAS-10388	11644	7.4	135	OIL PADS	7/31/1990	7/31/1990
PAD04C02763	CAS-10735	11554	7.4	225	USED FLOOR SWEEP	5/10/1990	8/1/1990
PAD04C02764	CAS-10738	11554	7.4	272	USED FLOOR SWEEP	5/18/1990	8/1/1990
PAD04C02739	CAS-10737	11554	7.4	233	USED FLOOR SWEEP	5/18/1990	8/1/1990
PAD04C02755	CAS-10739	11554	7.4	260	USED FLOOR SWEEP	5/18/1990	8/1/1990
PAD04C02761	CAS-10741	11554	7.4	203	USED FLOOR SWEEP	5/18/1990	8/1/1990
PAD04C00251	CAS-10742	11554	7.4	246	USED FLOOR SWEEP	5/16/1990	8/1/1990
PAD04C02760	CAS-10760	11555	7.4	218	USED FLOOR SWEEP	8/1/1990	8/1/1990
PAD04C03064	CAS-10835	10835	11.4	188	WASTE PADS, PIGS & ZORBALL	9/5/1990	9/5/1990
PAD04C03717	CAS-10551	11848	7.4	97	OILY PIGS, PADS & PANS	8/29/1990	8/29/1990
PAD04C03365	CAS-10540	10531	7.4	108	OIL SOAKED PADDING & PIG PANS	8/3/1990	8/3/1990
PAD04C03088	CAS-14750	142	11.4	361	FLOOR SWEEP/TRASH	6/29/1990	6/29/1990
PAD04C00112	CAS-15091	3037	11.4	473	ZORBALL	3/19/1987	3/19/1987
PAD01C03690	CAS-15603	3637	11.4	431	ZORBALL	3/16/1987	3/16/1987
PAD04C00113	CAS-15694	3837	11.4	320	ZORBALL	3/19/1987	3/19/1987
PAD04C00157	CAS-06695	6313	11.4	450	OILY ZORBALL/PADS	10/25/1989	10/25/1989

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	3	1-270-441-6211	001754683 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Paducah & Louisville Railway, Inc
U.S. EPA ID Number
KYD000735845 0515017020161 2/3/09

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number
UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Am-241, Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 7963 MBq, Fissile Excepted	1	CM	4561	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Railcar: GBRX20667
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 03/21/89
If undeliverable, return to generator
Shipment ID: 6202-15-0104

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of US DOE
Signature: Carrie Maxie
Month Day Year: 01 23 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Carrie Maxie on behalf of P&L
Signature: Carrie Maxie
Month Day Year: 01 23 09
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year:

RECEIVED
FEB 15 2009
BY:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee
Signature:
Month Day Year: 2 9 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754683JJK

Shipment ID Number: 6202-15-0104

Shipment Date: 1/23/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
120108-08	JINU801211-2	PCB Contaminated Floorsweep and Absorbent	03/21/89	539	19420	8808.72	7963.49
Totals				**539**	**19420**	**8808.72**	**7963.49**

See attached Drum List for specific information for each drum loaded into the bulk container.

Drum List Attachment, Page 3 of 3
Manifest Number: 001754683JJK
Shipment ID Number: 6202-15-0104
Shipment Date: 1/23/2009
Bulk Container ID Number: JINU801211-2

Barcode	WasteID	RFID	Net Vol	Gross Wt	Description	Origin Date	PCB Date
PAD02C17328	CAS-10359	11553	11.4	292	FLOOR SWEEP	5/27/1990	3/6/1990
PAD02C17489	CAS-09667	9288	11.4	215	OILY ZORBALL/PADS/TRASH	12/31/1989	12/31/1989
PAD04C04624	CAS-12510	6739	11.4	247	RAGS, PIGS, CONCRETE/PIGS	3/10/1989	3/27/1991
PAD94C00188	CAS-09728	9480	7.4	282	PADS	7/25/1989	7/25/1989
PAD94C00197	CAS-14371	17510	7.4	156	FLOOR SWEEP	7/22/1991	7/22/1991
PAD94C00206	CAS-10145	9505	7.4	153	OILY ZORBALL	1/26/1990	8/9/1990
PAD94C00214	CAS-11369	14052	7.4	221	FLOOR SWEEP	1/17/1991	1/17/1991
PAD94C00215	CAS-11377	11580	7.4	220	FLOOR SWEEP	1/15/1991	1/15/1991
PAD94C00269	CAS-12783	14053	7.4	194	FLOOR SWEEP	3/21/1991	3/21/1991
PAD94C00309	CAS-12587	11533	7.4	226	FLOOR SWEEP	1/19/1991	1/19/1991
PAD94C00369	CAS-12588	11533	7.4	205	FLOOR SWEEP	1/19/1991	1/19/1991
PAD94C00370	CAS-12511	6641	7.4	129	ZORBALL	1/29/1991	1/29/1991
PAD94C00377	CAS-11370	14052	7.4	242	FLOOR SWEEP	1/17/1991	1/17/1991
PAD94C00378	CAS-11371	14052	7.4	219	FLOOR SWEEP	1/17/1991	1/17/1991
PAD94C00584	CAS-11274	11664	7.4	101	OILY PANS, PIGS & TRASH	12/3/1990	12/3/1990
PAD94C00602	CAS-12578	5548	7.4	167	FLOOR SWEEP/TRASH	3/7/1991	3/7/1991
PAD94C00627	CAS-11397	11558	7.4	202	FLOOR SWEEP	1/8/1991	1/8/1991
PAD94C00635	CAS-11391	11558	7.4	201	FLOOR SWEEP	1/8/1991	1/8/1991
PAD94C00636	CAS-11388	11558	7.4	205	FLOOR SWEEP	1/8/1991	1/8/1991
PAD94C00637	CAS-11394	11558	7.4	208	FLOOR SWEEP	1/8/1991	1/8/1991
PAD94C00685	CAS-11396	11558	7.4	212	FLOOR SWEEP	1/8/1991	1/8/1991
PAD94C00686	CAS-11395	11558	7.4	177	FLOOR SWEEP	1/8/1991	1/8/1991
PAD94C00693	CAS-11390	11558	7.4	220	FLOOR SWEEP	1/8/1991	1/8/1991
PAD94C00694	CAS-11389	11558	7.4	201	FLOOR SWEEP	1/8/1991	1/8/1991
PAD94C00695	CAS-11392	11558	7.4	165	FLOOR SWEEP	1/8/1991	1/8/1991
PAD94C00724	CAS-11393	11558	7.4	206	FLOOR SWEEP	1/8/1991	1/8/1991
PAD94C00740	CAS-12570	16517	7.4	117	FLOOR SWEEP	3/17/1991	3/17/1991
PAD94C00756	CAS-11006	11556	7.4	246	USED FLOOR SWEEP	10/9/1990	10/9/1990
PAD94C00757	CAS-11005	11556	7.4	240	USED FLOOR SWEEP	10/9/1990	10/9/1990
PAD94C00758	CAS-11211	11532	7.4	241	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00762	CAS-11222	11532	7.4	241	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00763	CAS-11220	11532	7.4	224	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00766	CAS-11230	11532	7.4	236	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00770	CAS-11013	11513	7.4	217	USED FLOOR SWEEP	10/25/1990	10/25/1990
PAD94C00794	CAS-09778	10997	7.4	248	ZORBALL / FLOORSWEEP	1/5/1990	1/5/1990
PAD94C00816	CAS-11007	11556	7.4	201	USED FLOOR SWEEP	10/9/1990	10/9/1990
PAD94C00817	CAS-11231	11532	7.4	239	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00818	CAS-11210	11532	7.4	209	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00819	CAS-11208	11532	7.4	186	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00822	CAS-11223	11532	7.4	214	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00823	CAS-11221	11532	7.4	206	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00826	CAS-11232	11532	7.4	229	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00828	CAS-11217	11532	7.4	238	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00829	CAS-11218	11532	7.4	219	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00831	CAS-11012	11513	7.4	217	USED FLOOR SWEEP	10/25/1990	10/25/1990
PAD94C01225	HC-2001	7273	7.4	86	ABSORBENT PADS	6/12/1990	6/12/1990
PAD94C01416	CAS-12898	11540	7.4	203	FLOOR SWEEP/MOPS	4/23/1991	3/5/1994
PAD94C01443	CAS-12895	11540	7.4	116	FLOOR SWEEP/MOPS	4/23/1991	6/22/1994
PAD94C02429	CAS-15271	18307	7.4	342	ZORBALL / FLOORSWEEP	2/6/1990	2/6/1990
PAD94C02975	CAS-14106	11565	7.4	204	FLOOR SWEEP	6/4/1991	6/4/1991
PAD94C03121	CAS-15203	662	11.4	256	FLOOR SWEEP/TRASH	7/24/1989	7/24/1989
PAD94C03131	CAS-10920	10842	11.4	161	PIG PANS, PADS & TRASH	10/8/1990	10/8/1990
PAD94C03134	CAS-10919	10842	11.4	166	PIG PANS, PADS & TRASH	10/8/1990	10/8/1990
PAD94C03135	CAS-10917	10842	11.4	158	PIG PANS, PADS & TRASH	10/8/1990	10/8/1990
PAD94C03261	CAS-12945	11564	7.4	199	FLOOR SWEEP/MOPS	4/18/1991	4/18/1991
PAD94C03262	CAS-12948	11564	7.4	215	FLOOR SWEEP/MOPS	4/18/1991	4/18/1991
PAD94C03277	CAS-12823	14427	7.4	234	FLOOR SWEEP/MOPS	4/24/1991	4/24/1991
PAD94C03279	CAS-12949	11564	7.4	222	FLOOR SWEEP/MOPS	4/18/1991	4/18/1991
PAD94C03280	CAS-12946	11564	7.4	209	FLOOR SWEEP/MOPS	4/18/1991	4/18/1991
PAD94C03296	CAS-12821	14427	7.4	226	FLOOR SWEEP/MOPS	4/24/1991	4/24/1991
PAD94C03429	CAS-12937	11562	7.4	190	FLOOR SWEEP/MOPS	4/11/1991	4/11/1991
PAD94C03498	CAS-14238	15226	7.4	168	FLOOR SWEEP	6/6/1991	6/6/1991
PAD94C03520	CAS-14235	15226	7.4	190	FLOOR SWEEP	6/6/1991	6/6/1991
PAD94C03643	CAS-15266	7737	7.4	248	FLOOR SWEEP	4/2/1990	4/2/1990
PAD94C03666	CAS-15268	7737	7.4	220	ZORBALL	4/2/1990	4/2/1990
PAD94C03670	CAS-15154	7740	7.4	194	FLOOR SWEEP	3/21/1989	3/21/1989
PAD94C24720	CAS-15269	7737	7.4	218	FLOOR SWEEP	2/6/1990	2/6/1990
PAD94C24996	CAS-15267	7737	7.4	187	ZORBALL / FLOORSWEEP	2/6/1990	2/6/1990
PAD94C35033	CAS-12896	11540	7.4	224	FLOOR SWEEP/MOPS	4/23/1991	4/23/1991

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number: KY 8890008982	2. Page 1 of 3	3. Emergency Response Phone: 1-270-441-6211	4. Manifest Tracking Number: 001754684 JJK

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Paducah & Louisville Railway, Inc
U.S. EPA ID Number: ~~951501702016J~~ KYD 000 7~~25~~ 845 LT 3/5/09

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Am-241, Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 8588 MBq, Fissile Excepted	1	CM	4919	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Railcar: GBRX20667
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 02/22/90
If undeliverable, return to generator
Shipment ID: 6202-15-0105

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of US DOE | Signature: Carrie Maxie | Month 01 Day 23 Year 09

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Carrie Maxie on behalf of P&L | Signature: Carrie Maxie | Month 01 Day 23 Year 09
Transporter 2 Printed/Typed Name: | Signature: | Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

RECEIVED FEB 15 2009 BY: TS

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee | Signature: Justin Lee | Month 2 Day 9 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

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PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754684JJK

Shipment ID Number: 6202-15-0105

Shipment Date: 1/23/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
120108-06	WNKU072134-3	PCB Contaminated Floorsweep and Absorbent	02/22/90	525	19640	8908.51	8587.51
Totals				**525**	**19640**	**8908.51**	**8587.51**

See attached Drum List for specific information for each drum loaded into the bulk container.

Drum List Attachment, Page 3 of 3
Manifest Number: 001754684JJK
Shipment ID Number: 6202-15-0105
Shipment Date: 1/23/2009
Bulk Container ID Number: WNKU072134-3

Barcode	WasteID	RFD	Net Vol	Gross Wt	Description	Origin Date	PCB Date
PAD94C00212	CAS-12588	11533	7.4	207	FLOOR SWEEP	1/19/1991	1/19/1991
PAD94C00213	CAS-12585	11533	7.4	151	FLOOR SWEEP	1/19/1991	1/19/1991
PAD94C00265	CAS-12780	14053	7.4	136	FLOOR SWEEP	3/21/1991	3/21/1991
PAD94C00348	CAS-14058	11584	7.4	199	FLOOR SWEEP/MOPS	5/16/1991	5/16/1991
PAD94C00375	CAS-12584	11533	7.4	210	FLOOR SWEEP	1/19/1991	1/19/1991
PAD94C00376	CAS-12583	11533	7.4	212	FLOOR SWEEP	1/19/1991	1/19/1991
PAD94C00410	CAS-12782	14053	7.4	196	FLOOR SWEEP	3/21/1991	3/21/1991
PAD94C00411	CAS-12781	14053	7.4	208	FLOOR SWEEP	3/21/1991	3/21/1991
PAD94C00553	CAS-12633	11655	7.4	181	OILY RAGS	11/2/1990	11/2/1990
PAD94C00589	CAS-11206	11660	7.4	298	OILY PADS, PIGS, ZORBALL	11/22/1990	11/22/1990
PAD94C00605	CAS-12509	6739	7.4	172	RAGS, PIGS, CONCRETE/PIGS	3/10/1989	3/27/1991
PAD94C00709	CAS-12458	10522	7.4	454	FLOOR SWEEP	1/14/1991	1/14/1991
PAD94C00717	CAS-12726	11536	7.4	218	FLOOR SWEEP	2/26/1991	2/26/1991
PAD94C00728	CAS-12724	11536	7.4	188	FLOOR SWEEP	2/26/1991	2/26/1991
PAD94C00729	CAS-12723	11536	7.4	196	FLOOR SWEEP	2/26/1991	2/26/1991
PAD94C00747	CAS-11061	11654	7.4	195	FLOOR SWEEP	10/3/1990	10/3/1990
PAD94C00750	CAS-10997	11556	7.4	196	USED FLOOR SWEEP	10/9/1990	10/9/1990
PAD94C00751	CAS-10998	11556	7.4	211	USED FLOOR SWEEP	10/9/1990	10/9/1990
PAD94C00752	CAS-11003	11556	7.4	235	USED FLOOR SWEEP	10/9/1990	10/9/1990
PAD94C00754	CAS-11001	11556	7.4	221	USED FLOOR SWEEP	10/9/1990	10/9/1990
PAD94C00759	CAS-11209	11532	7.4	225	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00760	CAS-11215	11532	7.4	219	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00761	CAS-11213	11532	7.4	251	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00765	CAS-11224	11532	7.4	240	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00767	CAS-11228	11532	7.4	235	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00771	CAS-11011	11513	7.4	226	USED FLOOR SWEEP	10/25/1990	10/25/1990
PAD94C00773	CAS-11009	11513	7.4	149	USED FLOOR SWEEP	10/25/1990	10/25/1990
PAD94C00788	CAS-12722	11536	7.4	196	FLOOR SWEEP	2/26/1991	2/26/1991
PAD94C00789	CAS-12721	11536	7.4	186	FLOOR SWEEP	2/26/1991	2/26/1991
PAD94C00807	CAS-10955	11654	7.4	182	FLOOR SWEEP	10/3/1990	10/3/1990
PAD94C00810	CAS-10999	11556	7.4	257	USED FLOOR SWEEP	10/9/1990	10/9/1990
PAD94C00811	CAS-11000	11556	7.4	223	USED FLOOR SWEEP	10/9/1990	10/9/1990
PAD94C00812	CAS-11002	11556	7.4	238	USED FLOOR SWEEP	10/9/1990	10/9/1990
PAD94C00813	CAS-11004	11556	7.4	279	USED FLOOR SWEEP	10/9/1990	10/9/1990
PAD94C00820	CAS-11214	11532	7.4	217	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00821	CAS-11212	11532	7.4	198	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00824	CAS-11226	11532	7.4	250	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00825	CAS-11225	11532	7.4	278	USED FLOOR SWEEP	11/27/1990	11/27/1990
PAD94C00830	CAS-11014	11513	7.4	195	USED FLOOR SWEEP	10/25/1990	10/25/1990
PAD94C00832	CAS-11010	11513	7.4	233	USED FLOOR SWEEP	10/25/1990	10/25/1990
PAD94C00833	CAS-11008	11513	7.4	204	USED FLOOR SWEEP	10/25/1990	10/25/1990
PAD94C00843	CAS-10042	11551	7.4	89	FILTERS FROM FLOOR SWEEPER	2/22/1990	2/22/1990
PAD94C00961	CAS-10956	11656	7.4	116	OILY PADS AND PIGS	11/12/1990	11/12/1990
PAD94C01014	CAS-10929	10847	7.4	135	PIG PANS, PADS	11/7/1990	11/7/1990
PAD94C01048	CAS-11059	11654	7.4	107	OILY PADS, PIGS, & PILLOWS	10/3/1990	10/3/1990
PAD94C01905	CAS-14236	15226	7.4	198	FLOOR SWEEP	6/6/1991	6/6/1991
PAD94C02685	CAS-11374	11580	7.4	137	FLOOR SWEEP	1/15/1991	1/15/1991
PAD94C02687	CAS-11375	11580	7.4	194	FLOOR SWEEP	1/15/1991	1/15/1991
PAD94C02745	CAS-11373	11580	7.4	185	FLOOR SWEEP	1/15/1991	1/15/1991
PAD94C02746	CAS-11376	11580	7.4	220	FLOOR SWEEP	1/15/1991	1/15/1991
PAD94C02976	CAS-14107	11565	7.4	206	FLOOR SWEEP	6/4/1991	6/4/1991
PAD94C03229	CAS-12822	14427	7.4	228	FLOOR SWEEP/MOPS	4/24/1991	4/24/1991
PAD94C03230	CAS-12819	14427	7.4	201	FLOOR SWEEP/MOPS	4/24/1991	4/24/1991
PAD94C03238	CAS-11350	11514	7.4	267	FLOOR SWEEP	12/19/1990	12/19/1990
PAD94C03245	CAS-12820	14427	7.4	212	FLOOR SWEEP/MOPS	4/24/1991	4/24/1991
PAD94C03246	CAS-12818	14427	7.4	151	FLOOR SWEEP/MOPS	4/24/1991	4/24/1991
PAD94C03500	CAS-11363	10207	7.4	124	GLOVES, RAGS, BAGS, ZORBALL	1/15/1991	1/15/1991
PAD94C03501	CAS-11362	10207	7.4	242	GLOVES, RAGS, BAGS, ZORBALL	1/15/1991	1/15/1991
PAD94C03503	CAS-10938	10847	7.4	87	FLOOR SWEEP	11/7/1990	11/7/1990
PAD94C03521	CAS-14234	15226	7.4	184	FLOOR SWEEP	6/6/1991	6/6/1991
PAD94C03522	CAS-11364	10207	7.4	240	GLOVES, RAGS, BAGS, ZORBALL	1/15/1991	1/15/1991
PAD94C03535	CAS-10937	10847	7.4	97	PIG PANS	11/7/1990	11/7/1990
PAD94C03560	CAS-12826	2081	7.4	244	PIGS/PADS/PILLOWS	4/25/1991	4/25/1991
PAD94C03644	CAS-10936	10847	7.4	156	ZORBALL, PIG PANS, PADS	11/7/1990	11/7/1990
PAD94C03793	CAS-14210	14076	7.4	229	FLOOR SWEEP	6/6/1991	6/6/1991
PAD94C03816	CAS-12947	11564	7.4	213	FLOOR SWEEP/MOPS	4/18/1991	4/18/1991
PAD94C03827	CAS-12940	11562	7.4	186	FLOOR SWEEP/MOPS	4/11/1991	4/11/1991
PAD94C22846	CAS-12507	16529	7.4	138	OILY ZORBALL	3/22/1991	12/19/1990
PAD94C34977	CAS-17455	45876	7.4	395	FLOOR SWEEP	9/15/1994	6/14/1994
PAD94C34978	CAS-17454	45876	7.4	388	FLOOR SWEEP	9/15/1994	6/17/1994
PAD95C10801	59806-01	59806	7.4	283	FLOOR SWEEP	7/22/1996	7/22/1996

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754693 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598698

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Np-237, Tc-99, Th-230, U-Dep, Solid/Oxide, 897 MBq	9	DM	514	K	
X	2. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 3817 MBq, Fissile Excepted	47	DM	4313	K	
X	3. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Np-237, Tc-99, Th-230, U-234, U-235, U-238, U-Dep, Solid/Oxide, 1041 MBq, Fissile Excepted	20	DM	640	K	
X	4. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Am-241, Np-237, Tc-99, Th-230, U-234, U-235, U-238, U-Dep, Solid/Oxide, 85 MBq, Fissile Excepted	1	DM	15	K	

14. Special Handling Instructions and Additional Information
Truck: 333 Trailer: 7133 TID: 0552057 PR05704
PCB Start Date: 06/23/88
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
Shipment ID: 6202-15-0106

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE — Signature: Carrie Maxie — Month 02 Day 13 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JAMES LEE PAYNE — Signature: James Lee Payne — Month 2 Day 13 Year 09
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED
3/10/09 T.S.
MAR 25 2009
BY:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. H129 3. H129 4. H129

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. Gardner — Signature — Month 2 Day 17 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 4

Manifest Number: 001754693JJK

Shipment ID Number: 6202-15-0108

Shipment Date: 2/13/2009

RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
11664	CAS-11276	PAD94C01022	OILY PANS, PIGS & TRASH	12/3/90	7.4	101	45.81	35.64
11565	CAS-14108	PAD94C02924	FLOOR SWEEP	6/4/91	7.4	201	91.17	114.83
11613	CAS-10407	PAD94C01028	PIGS/PADS/RAGS/ETC.	2/22/90	7.4	160	72.57	82.36
11526	CAS-10245	PAD94C00936	FLOOR SWEEP	4/17/90	7.4	232	105.23	139.38
11565	CAS-14109	PAD94C02923	FLOOR SWEEP	6/4/91	7.4	204	92.53	117.20
8005	CAS-14448	PAD94C02592	PVC PIPE/TUBING/FIBERGLASS/PADS	8/8/91	7.4	136	61.69	63.35
9291	CAS-09689	PAD94C00732	ABSORBANT PADS/PIGS	9/7/89	7.4	114	51.71	45.93
9244	CAS-09697	PAD94C00795	OILY ZORBALL	10/26/89	7.4	311	141.07	201.94
11565	CAS-14105	PAD94C02982	FLOOR SWEEP	6/4/91	7.4	178	80.74	96.61
7361	CAS-08274	PAD94C25958	ZORBALL	10/26/88	7.4	358	162.39	121.23
9245	CAS-08746	PAD94C22860	ZORBALL	9/7/89	7.4	364	165.11	123.64
5360	CAS-09604	PAD94C22863	ZORBALL	9/19/89	7.4	418	189.60	145.31
14054	CAS-12748	PAD94C02430	FLOOR SWEEP	3/26/91	7.4	122	55.34	26.49
11584	CAS-14059	PAD94C00463	FLOOR SWEEP/MOPS	5/16/91	7.4	182	82.55	50.58
11532	CAS-11227	PAD94C00764	USED FLOOR SWEEP	11/27/90	7.4	213	96.61	63.02
5167	CAS-12674	PAD94C00267	FLOOR SWEEP/OILY RAGS	2/19/91	7.4	316	143.33	104.37
10850	CAS-11056	PAD94C03525	TRASH,OIL SOAKED PADS, & PILLOWS	11/18/90	7.4	99	44.91	17.26
24388	CAS-15768	PAD01C02691	BEARINGS/ABSORBENT/TRASH/PPE	7/8/92	7.4	264	119.75	51.38
8114	CAS-15135	PAD94C03169	ZORBALL	3/19/89	7.4	448	203.21	125.24
11606	CAS-10427	PAD98C02883	PIGS/PADS/RAGS/ETC.	4/3/90	7.4	110	49.89	21.68
2150	CAS-10041	PAD94C03117	ZORBALL	11/4/89	7.4	411	186.43	110.39
10979	CAS-09497	PAD94C00247	FLOOR SWEEP	10/13/89	7.4	262	118.84	82.69
10992	CAS-09473	PAD94C00479	FLOOR SWEEP	1/3/90	7.4	388	175.99	133.27
9288	CAS-09663	PAD94C00178	OILY ZORBALL/PADS/TRASH	12/31/89	7.4	100	45.36	17.66
9288	CAS-09665	PAD94C00236	OILY ZORBALL/PADS/TRASH	12/31/89	7.4	130	58.97	29.70
11577	CAS-10398	PAD94C00800	FLOOR SWEEP	5/11/90	7.4	230	104.33	69.85
5722	CAS-15208	PAD94C02408	ZORBALL	3/20/89	7.4	386	175.09	132.47
5643	CAS-14716	PAD94C03592	FLOOR SWEEP	4/3/90	7.4	190	86.18	53.79
11507	CAS-10296	PAD94C00867	FLOOR SWEEP	3/25/90	7.4	256	116.12	80.28
10988	CAS-09631	PAD94C00436	FLOOR SWEEP	11/7/89	7.4	253	114.76	79.08
11578	CAS-10946	PAD94C00814	USED FLOOR SWEEP	8/10/90	7.4	226	102.51	68.24
5722	CAS-08584	PAD94C02401	ZORBALL	3/20/89	7.4	412	186.88	142.91
9288	CAS-09669	PAD94C00234	OILY ZORBALL/PADS/TRASH	12/31/89	7.4	120	54.43	25.69
8114	CAS-15138	PAD94C03138	ZORBALL	3/19/89	7.4	453	205.48	127.25
9235	CAS-10153	PAD94C03167	ZORBALL	10/3/89	7.4	500	226.80	146.12
7726	CAS-08463	PAD98C02881	FLOORSWEEP	3/29/89	7.4	218	98.88	65.03
10979	CAS-09498	PAD94C00246	FLOORSWEEP	10/13/89	7.4	201	91.17	58.21
5387	CAS-10084	PAD94C00363	ABSORBENT PADS	10/26/88	7.4	172	78.02	46.56
2138	CAS-09505	PAD94C03100	ZORBALL	11/4/89	7.4	332	150.59	78.68
5722	CAS-08585	PAD94C02406	ZORBALL	3/20/89	7.4	331	150.14	110.39
7373	CAS-06237	PAD94C03011	ZORBALL	10/18/88	7.4	121	54.88	26.09
5714	CAS-06303	PAD94C02373	ZORBALL	12/13/88	7.4	327	148.32	108.78
5361	CAS-09603	PAD94C00233	OIL SOAKED ZORBALL	12/16/88	7.4	421	190.96	146.52
8114	CAS-15137	PAD94C03132	ZORBALL	3/19/89	7.4	280	127.01	57.80

Manifest Number: 001754693JJK

Shipment ID Number: 6202-15-0108

Shipment Date: 2/13/2009

RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
2132	CAS-15121	PAD94C03095	ZORBALL	9/26/89	7.4	344	156.03	83.50
7726	CAS-08462	PAD94C25432	FLOOR SWEEP	3/29/89	7.4	238	107.95	73.06
11529	CAS-10171	PAD94C00908	FLOOR SWEEP	6/7/90	7.4	245	111.13	75.87
9288	CAS-09664	PAD94C00177	OILY ZORBALL/PADS/TRASH	12/31/89	7.4	100	45.36	17.66
5722	CAS-08586	PAD94C02407	ZORBALL	3/20/89	7.4	353	160.12	119.22
5722	CAS-08587	PAD94C02376	ZORBALL	3/20/89	7.4	256	116.12	80.28
6616	CAS-06343	PAD94C26058	FLOOR SWEEP	6/23/88	7.4	222	100.70	66.64
10979	CAS-09491	PAD94C00386	FLOOR SWEEP	10/13/89	7.4	453	205.48	159.36
10979	CAS-09500	PAD94C00245	FLOOR SWEEP	10/13/89	7.4	261	118.39	82.29
10979	CAS-09493	PAD94C00387	FLOOR SWEEP	10/13/89	7.4	230	104.33	69.85
10979	CAS-09501	PAD94C00391	FLOOR SWEEP	10/13/89	7.4	232	105.23	70.65
10979	CAS-09495	PAD94C00393	FLOOR SWEEP	10/13/89	7.4	233	105.69	71.05
11642	CAS-10378	PAD94C03080	OIL PADS	7/31/90	7.4	247	112.04	81.83
10298	CAS-11025	PAD94C21452	EMPTY 5 GAL DRUMS/ABSORBENTS	7/4/90	7.4	87	39.46	22.85
120848	120848-03	PAD08C05299	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	12/5/07	7.4	167	75.75	81.83
103379	103379-01	PAD02C06793	PPE, OIL ABSORBENT PADS, RAGS, PLASTIC (FROM MAINTENANCE ON VENT DUCTS).	2/20/01	7.4	88	39.92	23.59
120848	120848-04	PAD08C05300	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	2/21/08	7.4	101	45.81	33.18
108990	108990-05	PAD08C05307	PCB SOLIDS FROM WORK ON C-337 2-1-A, 2-1-B (REPAIR OF TRANSFORMERS ASSOCIATED WITH NON-GASKET SPILLS 798 AND 801, RESPECTIVELY). (PADS, RAGS, PIGS, ETC)	1/18/08	7.4	128	58.06	53.08
120848	120848-01	PAD08C05297	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	4/24/07	7.4	189	85.73	98.05
120848	120848-06	PAD08C05302	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	2/21/08	7.4	132	59.87	56.03
10298	CAS-11023	PAD94C21451	EMPTY 5 DRUMS/ABSORBENTS	7/4/90	7.4	88	39.92	23.59
120848	120848-02	PAD08C05298	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	11/14/07	7.4	156	70.76	73.72
108990	108990-01	PAD08C05303	PCB SOLIDS FROM WORK ON C-337 2-1-A, 2-1-B (REPAIR OF TRANSFORMERS ASSOCIATED WITH NON-GASKET SPILLS 798 AND 801, RESPECTIVELY). (PADS, RAGS, PIGS, ETC)	1/3/08	7.4	106	48.08	36.86
23044	CAS-14997	PAD94C00619	ABSORBENTS/WOOD	10/1/91	7.4	245	111.13	80.36

PCB and Additional Information Attachment, Page 4 of 4

Manifest Number: ~~1/7/1900~~ 00175 4693JJK
Shipment ID Number: ~~7.4~~ 6202-15-0108
Shipment Date: ~~1/7/1900~~ 2/13/2009

RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
108990	108990-04	PAD08C05306	PCB SOLIDS FROM WORK ON C-337 2-1-A, 2-1-B (REPAIR OF TRANSFORMERS ASSOCIATED WITH NON-GASKET SPILLS 798 AND 801, RESPECTIVELY). (PADS, RAGS, PIGS, ETC)	1/18/08	7.4	128	58.06	53.08
108990	108990-02	PAD08C05304	PCB SOLIDS FROM WORK ON C-337 2-1-A, 2-1-B (REPAIR OF TRANSFORMERS ASSOCIATED WITH NON-GASKET SPILLS 798 AND 801, RESPECTIVELY). (PADS, RAGS, PIGS, ETC)	1/3/08	7.4	96	43.54	29.49
103387	103387-01	PAD02C06797	PPE, RAGS, PADS, MOP HEAD, OIL SOAKED ABSORBENT AND PLASTI FROM TRANSFORMER LEAK SPILL CLEANUP	5/23/01	7.4	130	58.97	54.56
103962	103962-01	PAD02C17309	RAGS, PIGS, PADS, PPE	1/25/01	7.4	83	37.65	19.91
106326	106326-01	PAD07C04017	OILY PADS, PPE, RAGS, GLOVES	12/4/02	7.4	132	59.87	56.03
120848	120848-05	PAD08C05301	PCB CONTAMINATED SOLIDS FROM MAINTENANCE AND SPILL CLEANUP OF C337 U2 C8 (PCB 748). CONSIST OF PLASTIC SHEETING, MOPS, PPE, PAINT CHIPS (NON-LEAD)	2/20/08	7.4	128	58.06	53.08
108990	108990-03	PAD08C05305	PCB SOLIDS FROM WORK ON C-337 2-1-A, 2-1-B (REPAIR OF TRANSFORMERS ASSOCIATED WITH NON-GASKET SPILLS 798 AND 801, RESPECTIVELY). (PADS, RAGS, PIGS, ETC)	1/3/08	7.4	85	38.56	21.38
7266	CAS-10723	PAD94C02618	ABSORBENT PADS	9/19/89	7.4	176	79.83	88.47
40854	40854-01	PAD97C00702	PPE/RAGS TRASH	4/8/96	4	62	28.12	84.54
	Totals	**77**			**566.40**	**17172**	**7789.05**	**5839.86**

ENERGYSOLUTIONS

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT982598898

DOE, PGDP/Paducah,

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (Cu/Ft)	Process	Disposal Location
6202-15-0106	54685	03/18/2009	1,360.0	Landfill	Mixed Waste
6202-15-0107	54686	03/18/2009	1,360.0	Landfill	Mixed Waste
6202-15-0109	54694	03/10/2009	1,360.0	Landfill	Mixed Waste
6202-15-0110	54695	03/10/2009	1,360.0	Landfill	Mixed Waste

The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

4/6/09
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pit typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754685 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Paducah & Louisville Railway, Inc
U.S. EPA ID Number
051501702016J

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone:
U.S. EPA ID Number
UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 8347 MBq, Fissile Excepted	1	CM	5171	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Railcar: GBRX20699
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 04/27/88
If undeliverable, return to generator
Shipment ID: 6202-15-0106

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE
Signature: Carrie Maxie
Month: 02 Day: 13 Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Carrie Maxie on behalf of P&L
Signature: Carrie Maxie
Month: 02 Day: 13 Year: 09

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number

RECEIVED
MAR 25 2009
BY: TS

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Albert Enns
Signature: Albert Enns
Month: 3 Day: 2 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754685JJK

Shipment ID Number: 6202-15-0106

Shipment Date: 2/13/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
120108-09	GLDU032268-8	PCB Contaminated Trash, Floorsweep, and Absorbent	04/27/88	523.94	20700	9389.31	8347.47
Totals				**523.94**	**20700**	**9389.31**	**8347.47**

See attached Drum List for specific information for each drum loaded into the bulk container.

Drum List Attachment, Page 3 of 3
Manifest Number: 001754685JJK
Shipment ID Number: 6202-15-0106
Shipment Date: 2/13/2009
Bulk Container ID Number: GLDU032268-8

Barcode	WasteID	RFD	Net Vol	Gross Wt	Description	PCB Date
PAD02C06791	103385-01	103385	7.4	94	PPE, PADS, RAGS FROM ELECTRICAL MAINTENANCE ON PCB TRANSFORMER.	02-Apr-01
PAD02C06795	103394-01	103394	7.4	83	PPE, PADS, AND RAGS FROM ELECTRICAL MAINTENANCE ON PCB TRANSFORMERS.	04-Jan-02
PAD02C06790	103398-01	103398	7.4	190	MOP HEADS, RAGS, PADS, PPE, AND ABSORBENT GENERATED FROM PCB SPILL	19-Jul-02
PAD94C25949	CAS-06172	5289	7.4	329	OILY ZORBALL	27-Apr-88
PAD94C25509	CAS-06208	6605	7.4	240	FLOORSWEEP	10-May-88
PAD94C25479	CAS-06224	6610	7.4	216	FLOOR SWEEP	10-May-88
PAD94C25430	CAS-06228	6610	7.4	183	FLOORSWEEP	10-May-88
PAD94C26030	CAS-06248	6611	7.4	211	FLOORSWEEP	10-May-88
PAD94C26029	CAS-06253	6613	7.4	224	FLOORSWEEP	10-May-88
PAD94C25992	CAS-06259	6614	7.4	247	FLOORSWEEP	10-May-88
PAD97C25437	CAS-06280	6615	7.4	221	FLOORSWEEP	13-Jun-88
PAD94C26057	CAS-06341	6616	7.4	254	FLOOR SWEEP	23-Jun-88
PAD94C26090	CAS-06344	6616	7.4	238	FLOOR SWEEP	23-Jun-88
PAD94C25471	CAS-06373	6620	7.4	222	FLOORSWEEP	30-Aug-88
PAD94C26056	CAS-07992	6618	7.4	265	FLOORSWEEP	01-Sep-88
PAD94C25356	CAS-08449	7731	7.4	253	FLOORSWEEP	01-Feb-89
PAD94C25320	CAS-08450	7731	7.4	263	FLOORSWEEP	01-Feb-89
PAD94C25334	CAS-08451	7732	7.4	200	FLOOR SWEEP	03-Feb-89
PAD94C25335	CAS-08452	7732	7.4	219	FLOORSWEEP	03-Feb-89
PAD94C25371	CAS-08455	7733	7.4	199	FLOORSWEEP	03-Mar-89
PAD94C03629	CAS-08573	7729	7.4	225	FLOOR SWEEP	19-Jan-89
PAD98C02877	CAS-08575	7735	7.4	187	FLOORSWEEP	03-Mar-89
PAD98C02882	CAS-08582	7739	7.4	198	FLOORSWEEP	11-Mar-89
PAD94C02950	CAS-08583	7739	7.4	144	FLOORSWEEP	11-Mar-89
PAD94C00480	CAS-09474	10992	7.4	266	FLOORSWEEP	03-Jan-90
PAD94C00240	CAS-09492	10978	7.4	238	FLOOR SWEEP	13-Oct-89
PAD94C00241	CAS-09494	10979	7.4	243	FLOOR SWEEP	13-Oct-89
PAD94C00392	CAS-09496	10979	7.4	234	ZORBALL	13-Oct-89
PAD94C00242	CAS-09499	10979	7.4	215	FLOORSWEEP	13-Oct-89
PAD98C02884	CAS-09506	2135	11.4	464	ZORBALL	04-Nov-89
PAD94C03615	CAS-09515	10986	7.4	227	FLOORSWEEP	02-Nov-89
PAD94C01066	CAS-09516	10986	7.4	257	FLOORSWEEP	02-Nov-89
PAD94C03641	CAS-09550	10993	7.4	212	FLOORSWEEP	03-Jan-90
PAD94C03705	CAS-09554	10993	7.4	228	FLOORSWEEP	03-Jan-90
PAD94C03677	CAS-09555	10993	7.4	217	FLOORSWEEP	03-Jan-90
PAD98C02880	CAS-09576	10984	7.4	303	FLOORSWEEP	26-Oct-89
PAD98C02876	CAS-09580	10984	7.4	302	FLOORSWEEP	26-Oct-89
PAD94C00497	CAS-09596	10982	7.4	212	FLOORSWEEP	31-Oct-89
PAD94C00492	CAS-09597	10982	7.4	243	FLOORSWEEP	31-Oct-89
PAD94C22944	CAS-09605	5357	7.4	173	FLOORSWEEP	04-Nov-89
PAD98C03555	CAS-09703	11502	11.4	270	FLOORSWEEP	02-Feb-90
PAD94C22983	CAS-09851	10998	7.4	118	FLOORSWEEP	01-Feb-90
PAD94C03162	CAS-09878	2137	11.4	166	PIGS/PADS/RAGS/ETC.	29-Mar-89
PAD98C02831	CAS-10063	11505	7.4	229	FLOOR SWEEP	01-Mar-90
PAD94C00366	CAS-10078	11576	7.4	269	FLOORSWEEP	12-Mar-90
PAD98C02829	CAS-10173	11529	7.4	227	FLOOR SWEEP	15-Jun-90
PAD94C00680	CAS-10232	10794	7.4	110	PADS/PIGS/PILLOWS/ETC.	10-May-88
PAD98C02843	CAS-10253	11526	7.4	260	FLOOR SWEEP	17-Apr-90
PAD98C02836	CAS-10262	11511	7.4	227	FLOOR SWEEP	05-Jun-90
PAD98C02838	CAS-10269	11511	7.4	211	FLOORSWEEP	04-Jun-90
PAD98C02837	CAS-10295	11507	7.4	236	FLOOR SWEEP	25-Mar-90
PAD94C03809	CAS-10382	11640	7.4	372	ZORBALL	31-Jul-90
PAD94C02453	CAS-10385	11638	7.4	419	ZORBALL	30-Jul-90
PAD98C02879	CAS-10401	11577	7.4	233	FLOORSWEEP	11-May-90
PAD94C00834	CAS-10727	11512	7.4	254	USED FLOOR SWEEP	24-Aug-90
PAD94C03783	CAS-10734	11554	7.4	249	USED FLOORSWEEP	01-Jun-90
PAD94C03244	CAS-10765	11555	7.4	231	USED FLOOR SWEEP	01-Aug-90
PAD94C00753	CAS-10945	11578	7.4	186	USED FLOOR SWEEP	10-Aug-90
PAD94C02888	CAS-12944	11563	7.4	195	FLOOR SWEEP/MOPS	16-Apr-91
PAD94C02974	CAS-14054	15852	7.4	186	GLOVES/RAGS/COVERALLS/ABSORBENTS	20-May-91
PAD94C02922	CAS-14055	15852	7.4	203	GLOVES/RAGS/COVERALLS/ABSORBENTS	20-May-91
PAD98C02850	CAS-14741	7734	7.4	217	FLOORSWEEP	03-Mar-89
PAD98C02868	CAS-14746	7734	7.4	213	FLOORSWEEP	03-Mar-89
PAD94C02971	CAS-15099	7741	7.4	228	FLOORSWEEP	18-Apr-89
PAD94C02919	CAS-15100	7745	7.4	205	FLOORSWEEP	05-Sep-89
PAD98C02874	CAS-15111	7745	7.4	179	FLOORSWEEP	05-Sep-89
PAD94C03012	CAS-15128	10980	7.4	164	FLOORSWEEP	19-Sep-89
PAD98C02869	CAS-15147	7740	7.4	193	FLOORSWEEP	21-Mar-89
PAD98C02823	CAS-15249	10978	7.4	116	FLOORSWEEP	26-Sep-89
PAD94C32217	CAS-17401	41196	0.67	12	RAGS/PAPER/PADS	12-May-94
PAD94C34980	CAS-17476	41211	0.67	11	PADS/RAGS	18-May-94

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	3	1-270-441-6211	001754686 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Paducah & Louisville Railway, Inc
U.S. EPA ID Number
KYD000735845 051501702016J

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number
UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 4574 MBq, Fissile Excepted	1	CM	2754	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Railcar: GBRX20699
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 05/10/88
If undeliverable, return to generator
Shipment ID: 6202-15-0107

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Marie on behalf of USDOE
Signature: Carrie Marie
Month 02 Day 13 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Carrie Marie on behalf of P&L
Signature: Carrie Marie
Month 02 Day 13 Year 09

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number

RECEIVED
3-10-09 T.S.
MAR 25 2009
BY: TS

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Albert Evans
Signature: Albert Evans
Month 2 Day 09 Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754686JJK

Shipment ID Number: 6202-15-0107

Shipment Date: 2/13/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
120108-07	TRIU391806-0	PCB Contaminated Trash, Floorsweep, and Absorbent	05/10/88	517.6	15440	7003.43	4574.02
Totals				**517.6**	**15440**	**7003.43**	**4574.02**

See attached Drum List for specific information for each drum loaded into the bulk container.

Drum List Attachment, Page 3 of 3
Manifest Number: 001754686JJK
Shipment ID Number: 6202-15-0107
Shipment Date: 2/13/2009
Bulk Container ID Number: TRIU391806-0

Barcode	WasteID	RFD	Net Vol	Gross Wt	Description	Origin Date	PCB Date
PAD03C01141	103399-01	103399	7.4	122	OILY PADS, PPE, RAGS AND LEATHER GLOVES	22-Jul-02	22-Jul-02
PAD06C00657	106747-01	106747	7.4	93	PCB SOLIDS	11-Oct-05	11-Oct-05
PAD06C00656	107860-01	107860	7.4	109	PCB SOLIDS	21-Oct-05	21-Oct-05
PAD06C00654	107861-01	107861	7.4	125	PCB SOLIDS	23-Aug-05	23-Aug-05
PAD06C00655	107864-01	107864	7.4	104	PCB SOLIDS	11-Oct-05	11-Oct-05
PAD05C06688	108599-01	108599	7.4	120	SOLIDS FROM CLEANUP OF PCB SPILL 771 772, 1768. PPE, RAGS, MOP HEAD.	08-Jul-05	08-Jul-05
PAD06C02426	108955-01	108955	7.4	138	PCB SOLIDS FROM SPILL CLEANUP/SAMPLING. PPE, MOP, ABSORBENTS, RAGS, PLASTIC, FLAGGING	19-Oct-06	19-Oct-06
PAD98C00354	54911-03	54911	7.4	68	PLASTIC/PADS	02-Feb-98	11-Sep-97
PAD97C03671	CAS-06213	6606	11.4	300	FLOOR SWEEP	10-May-88	10-May-88
PAD94C25468	CAS-08324	7353	7.4	321	ZORBALL	16-Sep-88	16-Sep-88
PAD04C05020	CAS-08457	7733	11.4	296	FLOOR SWEEP	03-Mar-89	03-Mar-89
PAD94C22862	CAS-08748	9245	7.4	152	ZORBALL	01-Nov-89	01-Nov-89
PAD94C00454	CAS-08759	5391	7.4	164	ABSORBENT PADS	20-Mar-90	10-May-88
PAD94C03111	CAS-09511	10717	11.4	598	ZORBALL	05-Nov-89	05-Nov-89
PAD94C00182	CAS-09589	2143	7.4	444	ZORBALL	15-Dec-89	15-Dec-89
PAD94C03753	CAS-09705	11506	7.4	118	USED DUST MOPS	02-Feb-90	27-Nov-90
PAD94C03145	CAS-09727	9480	11.4	130	PREVIOUSLY CONTAINED PADS?	25-Jul-89	25-Jul-89
PAD94C00858	CAS-10100	10259	7.4	104	PADS/PIGS	23-Mar-90	01-Nov-89
PAD98C02834	CAS-10165	10812	7.4	362	ZORBALL	13-Jun-90	25-May-90
PAD98C02858	CAS-10319	10288	11.4	180	PADS/RAGS	19-Jun-90	01-Nov-89
PAD94C02603	CAS-10389	11629	7.4	100	PIGS/PADS/RAGS/ETC.	14-Jun-90	14-Jun-90
PAD94C00272	CAS-10414	7273	7.4	115	ABSORBENT PADS	12-Jun-90	01-Nov-89
PAD98C02863	CAS-10795	9713	7.4	121	PADS/PIGS	16-Nov-90	10-May-88
PAD94C01017	CAS-10876	14229	7.4	192	ZORBALL,RAGS,SHOECOVER & GLOVES	22-Oct-90	22-Oct-90
PAD94C00982	CAS-10924	10849	7.4	85	PIG, PANS & PADS	08-Nov-90	07-Nov-90
PAD94C01039	CAS-10925	10849	7.4	96	PIG, PANS & PADS	08-Nov-90	07-Nov-90
PAD94C00981	CAS-10926	10849	7.4	98	PIG, PANS & PADS	08-Nov-90	07-Nov-90
PAD94C01030	CAS-10928	10847	7.4	96	PIG PANS, PADS	07-Nov-90	07-Nov-90
PAD94C00957	CAS-10930	10847	7.4	119	PIG PANS, PADS	07-Nov-90	07-Nov-90
PAD94C01013	CAS-10931	10847	7.4	97	PIG PANS, PADS	07-Nov-90	07-Nov-90
PAD94C00959	CAS-10933	10847	7.4	95	PIG PANS, PADS	07-Nov-90	07-Nov-90
PAD94C01015	CAS-10934	10847	7.4	79	PIG PANS, PADS	07-Nov-90	07-Nov-90
PAD98C02822	CAS-10958	10831	7.4	100	PADS/PIGS/PILLOWS/ETC.	03-Aug-90	03-Aug-90
PAD94C03524	CAS-11054	10850	7.4	111	TRASH,OIL SOAKED PADS, & PILLOWS	18-Nov-90	18-Nov-90
PAD94C03504	CAS-11055	10850	7.4	114	TRASH,OIL SOAKED PADS, & PILLOWS	18-Nov-90	18-Nov-90
PAD94C03505	CAS-11057	10850	7.4	107	TRASH,OIL SOAKED PADS, & PILLOWS	18-Nov-90	18-Nov-90
PAD94C00746	CAS-11060	11654	7.4	180	FLOOR SWEEP	03-Oct-90	03-Oct-90
PAD94C03534	CAS-11191	10847	7.4	101	PIG PANS, PADS PILLOWS PER SAMP	07-Nov-90	07-Nov-90
PAD94C03502	CAS-11192	10847	7.4	100	PIG PANS, PADS PILLOWS PER SAMP	07-Nov-90	07-Nov-90
PAD94C00769	CAS-11219	11532	7.4	173	USED FLOOR SWEEP	27-Nov-90	27-Nov-90
PAD94C00207	CAS-11372	11580	7.4	117	FLOOR SWEEP	15-Jan-91	15-Jan-91
PAD94C00250	CAS-12673	10209	7.4	96	PADS/PILLOWS/PIGS	14-Feb-91	14-Feb-91
PAD94C00467	CAS-12689	10208	7.4	238	PADS/PILLOWS/PIGS	12-Feb-91	12-Feb-91
PAD94C00503	CAS-12690	10208	7.4	208	PADS/PILLOWS/PIGS	12-Feb-91	12-Feb-91
PAD94C00468	CAS-12691	10208	7.4	186	PADS/PILLOWS/PIGS	12-Feb-91	12-Feb-91
PAD94C00352	CAS-12692	10208	7.4	146	PADS/PILLOWS/PIGS	12-Feb-91	12-Feb-91
PAD94C00394	CAS-12712	10214	7.4	110	PADS/PILLOWS/PIGS	04-Mar-91	04-Mar-91
PAD94C03781	CAS-12713	10213	7.4	82	PADS/PILLOWS/PIGS	01-Mar-91	01-Mar-91
PAD94C00358	CAS-12714	10213	7.4	118	PADS/PILLOWS/PIGS	01-Mar-91	01-Mar-91
PAD94C00658	CAS-12725	11536	7.4	218	FLOOR SWEEP	26-Feb-91	26-Feb-91
PAD94C00402	CAS-12775	10216	7.4	152	PADS/PILLOWS/PIGS	21-Mar-91	21-Mar-91
PAD94C00264	CAS-12784	14053	7.4	140	DEBRIS	21-Mar-91	21-Mar-91
PAD95C09749	CAS-14067	10218	11.4	210	PADS/PILLOWS/PIGS	03-Apr-91	03-Apr-91
PAD94C00973	CAS-14410	5466	7.4	159	PVC PIPE/OIL SOAKED PADS/BUCKETS	20-Jul-91	20-Jul-91
PAD94C03168	CAS-15140	663	11.4	239	ZORBALL/TRASH	24-Jul-89	24-Jul-89
PAD94C03102	CAS-15280	5694	11.4	322	FLOOR SWEEEP/RAGS	26-Jul-89	26-Jul-89
PAD94C03147	CAS-15301	5694	11.4	366	FLOOR SWEEP	26-Jul-89	26-Jul-89
PAD01C03156	CAS-15468	4474	11.4	208	CRUSHED DRUMS/ABSORBENTS	09-Jul-92	09-Jul-92
PAD94C02813	CAS-15661	21672	7.4	135	PADS/RAGS/PIGS	16-Feb-92	16-Feb-92
PAD01C03392	CAS-15688	24393	11.4	198	GASKET/PLASTIC/ABSORBENT	04-Aug-92	28-Jul-92
PAD94C36280	CAS-16741	37306	7.4	135	PVC PIPE/OIL ABSORBENT PADS	14-Jun-93	14-Jun-93
PAD94C37358	CAS-16742	37307	7.4	120	PVC PIPE/OIL ABSORBENT PADS	15-Jun-93	15-Jun-93
PAD94C37359	CAS-16745	37308	7.4	136	PVC PIPE/OIL ABSORBENT PADS	18-Jun-93	18-Jun-93
PAD94C36289	CAS-16754	37320	7.4	172	PVC PIPE (OILY PIPE W/PADS)	13-Jul-93	13-Jul-93

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754694 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Specialty Transport Inc.
U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Am-241, Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 8450 MBq, Fissile Excepted	1	CM	5418	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Trailer: 4822 Truck: 333 TID: 0010307 / 0010314
PCB Start Date: 01/06/89
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
Shipment ID: 6202-15-0109

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of USDOE
Signature: LaChelle Telfair on behalf of USDOE
Month: 2 Day: 24 Year: 09

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JAMES LEE PAYNE
Signature: James Lee Payne
Month: 2 Day: 24 Year: 09

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

RECEIVED
3-10-09 T.S.
MAR 25 2009

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
BY: Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. Gardner
Signature:
Month: 2 Day: 27 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754694JJK

Shipment ID Number: 6202-15-0109

Shipment Date: 2/24/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
116977-01	TPHU647514-3	PCB Contaminated Floorsweep and Absorbent	12/27/88 ~~01/06/89~~ CJ 2/24/09	534	20880	9470.96	9459.41
Totals				**534**	**20880**	**9470.96**	**9459.41**

See attached Drum List for specific information for each drum loaded into the bulk container.

Drum List Attachment, Page 3 of 3
Manifest Number: 001754694JJK
Shipment ID Number: 6202-15-0109
Shipment Date: 2/24/2009
Bulk Container ID Number: TPHU647514-3

Barcode	WasteID	RFD	Net Vol	Gross Wt	Description	PCB Date
PAD94C24579	CAS-15086	4750	7.4	192	FLOOR SWEEP	7/12/1989
PAD94C24708	CAS-15087	4750	7.4	191	FLOOR SWEEP	7/12/1989
PAD94C24580	CAS-15088	4750	7.4	237	FLOOR SWEEP	7/12/1989
PAD94C24843	CAS-15237	4750	7.4	222	FLOOR SWEEP	7/12/1989
PAD94C21307	CAS-15238	4750	7.4	234	FLOOR SWEEP	7/12/1989
PAD94C24971	CAS-15239	4750	7.4	221	FLOOR SWEEP	7/12/1989
PAD94C21306	CAS-15240	4750	7.4	247	FLOOR SWEEP	8/25/1989
PAD94C24979	CAS-15241	4750	7.4	219	FLOOR SWEEP	8/25/1989
PAD94C24970	CAS-15242	4750	7.4	219	FLOOR SWEEP	8/25/1989
PAD94C24986	CAS-14642	7727	7.4	247	FLOOR SWEEP	1/6/1989
PAD94C24854	CAS-14643	7727	7.4	225	FLOOR SWEEP	1/6/1989
PAD94C24987	CAS-14644	7727	7.4	190	FLOOR SWEEP	1/6/1989
PAD94C24855	CAS-14645	7727	7.4	238	FLOOR SWEEP	1/6/1989
PAD94C24993	CAS-14696	7727	7.4	216	FLOOR SWEEP	1/6/1989
PAD94C24994	CAS-14697	7727	7.4	224	FLOOR SWEEP	1/6/1989
PAD94C24845	CAS-14698	7727	7.4	244	FLOOR SWEEP	1/6/1989
PAD94C24977	CAS-14699	7727	7.4	233	FLOOR SWEEP	1/6/1989
PAD94C24846	CAS-14700	7727	7.4	257	FLOOR SWEEP	1/6/1989
PAD94C24978	CAS-14701	7727	7.4	235	FLOOR SWEEP	1/6/1989
PAD94C24584	CAS-15090	7745	7.4	211	ZORBALL	9/5/1989
PAD94C24454	CAS-15160	7745	7.4	190	FLOOR SWEEP	10/9/1989
PAD94C24318	CAS-15161	7745	7.4	212	FLOOR SWEEP	9/5/1989
PAD94C24989	CAS-15162	7745	7.4	171	FLOOR SWEEP	10/9/1989
PAD94C24453	CAS-15163	7745	7.4	181	FLOOR SWEEP	9/8/1989
PAD94C24578	CAS-15082	7750	7.4	220	FLOOR SWEEP	9/26/1989
PAD94C24577	CAS-15083	7750	7.4	335	FLOOR SWEEP	9/27/1989
PAD94C24707	CAS-15084	7750	7.4	217	FLOOR SWEEP	9/27/1989
PAD94C24706	CAS-15085	7750	7.4	220	FLOOR SWEEP	9/27/1989
PAD94C21308	CAS-15243	7750	7.4	199	FLOOR SWEEP	9/30/1989
PAD94C24842	CAS-15244	7750	7.4	196	FLOOR SWEEP	9/30/1989
PAD94C24719	CAS-15259	7750	7.4	222	FLOOR SWEEP	9/30/1989
PAD94C24975	CAS-15260	7750	7.4	234	FLOOR SWEEP	9/30/1989
PAD94C24838	CAS-15261	7750	7.4	263	FLOOR SWEEP	9/27/1989
PAD94C24583	CAS-10152	9235	7.4	463	ZORBALL	10/3/1989
PAD94C24992	CAS-15281	10931	7.4	254	ZORBALL	12/18/1989
PAD94C24711	CAS-15282	10931	7.4	252	ZORBALL	12/18/1989
PAD94C24717	CAS-15283	10931	7.4	189	ZORBALL	12/18/1989
PAD94C24716	CAS-15284	10931	7.4	210	FLOOR SWEEP	12/18/1989
PAD94C24991	CAS-15285	10931	7.4	260	FLOOR SWEEP/TRASH	12/18/1989
PAD94C24714	CAS-15286	10931	7.4	180	ZORBALL	12/18/1989
PAD94C24585	CAS-15287	10931	7.4	200	ZORBALL	12/18/1989
PAD94C24990	CAS-15288	10931	7.4	255	ZORBALL	12/18/1989
PAD94C24715	CAS-15289	10931	7.4	254	ZORBALL	12/18/1989
PAD94C24581	CAS-15290	10931	7.4	234	ZORBALL	12/18/1989
PAD94C24710	CAS-15291	10931	7.4	208	ZORBALL	12/18/1989
PAD94C24980	CAS-15247	10978	7.4	221	FLOOR SWEEP	9/26/1989
PAD04C04643	CAS-15250	10978	11.4	297	FLOOR SWEEP	9/26/1989
PAD94C24834	CAS-15251	10978	7.4	226	FLOOR SWEEP	9/26/1989
PAD04C04641	CAS-15252	10978	11.4	296	FLOOR SWEEP	9/26/1989
PAD04C04642	CAS-15253	10978	11.4	319	FLOOR SWEEP	9/26/1989
PAD94C24849	CAS-15254	10978	7.4	230	FLOOR SWEEP	9/26/1989
PAD94C24851	CAS-15256	10978	7.4	226	FLOOR SWEEP	9/26/1989
PAD94C02488	CAS-12935	11562	7.4	192	FLOOR SWEEP/MOPS	4/11/1991
PAD94C02487	CAS-12936	11562	7.4	178	FLOOR SWEEP/MOPS	4/11/1991
PAD94C02575	CAS-12938	11562	7.4	194	FLOOR SWEEP/MOPS	4/11/1991
PAD94C02576	CAS-12939	11562	7.4	174	FLOOR SWEEP/MOPS	4/11/1991
PAD94C02483	CAS-12907	11560	7.4	202	FLOOR SWEEP/MOPS	4/4/1991
PAD94C02580	CAS-12908	11560	7.4	246	FLOOR SWEEP/MOPS	4/4/1991
PAD94C02579	CAS-12909	11560	7.4	208	FLOOR SWEEP/MOPS	4/4/1991
PAD94C02485	CAS-12880	11561	7.4	160	FLOOR SWEEP/MOPS	4/9/1991
PAD94C02577	CAS-12881	11561	7.4	206	FLOOR SWEEP/MOPS	4/9/1991
PAD94C02486	CAS-12882	11561	7.4	194	FLOOR SWEEP/MOPS	4/9/1991
PAD94C02578	CAS-12883	11561	7.4	206	FLOOR SWEEP/MOPS	4/9/1991
PAD94C24830	CAS-15189	18307	7.4	144	FLOOR SWEEP	5/10/1991
PAD94C24576	CAS-15092	3637	7.4	311	ZORBALL	12/27/1988
PAD94C24841	CAS-14156	4752	7.4	212	FLOOR SWEEP	8/24/1989
PAD94C21309	CAS-14157	4752	7.4	220	FLOOR SWEEP	8/24/1989
PAD94C24718	CAS-14718	5643	7.4	392	FLOOR SWEEP	4/3/1990
PAD04C04602	CAS-14710	7749	11.4	340	FLOOR SWEEP	9/26/1989
PAD94C24985	CAS-14711	7749	7.4	123	FLOOR SWEEP	9/26/1989

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8690008982	3	1-270-441-6211	001754695 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone: — U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 5946 MBq, Fissile Excepted	1	CM	3811	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Trailer/Truck: 4822 Truck: 333 TIDs: 0010326/0010392 PR05706 PCB Start Date: 03/16/89
ERG # 162 CT 2/24/09 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info Shipment ID: 6202-15-0110

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of US DOE — Signature: LaChelle Telfair on behalf of US DOE — Month: 2 Day: 24 Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JAMES LEE PAYNE — Signature: James Lee Payne — Month: 2 Day: 24 Year: 09

Transporter 2 Printed/Typed Name — Signature — Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

RECEIVED 3-10-09 TS. MAR 25 2009 BY:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. Gardner — Signature — Month: 2 Day: 27 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754695JJK

Shipment ID Number: 6202-15-0110

Shipment Date: 2/24/2009

WASTE ID	Container Serial Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
116978-01	TTSU202946-3	PCB Contaminated Trash, Floorsweep, and Absorbent	03/16/89	498	16680	7565.88	5945.75
Totals				**498**	**16680**	**7565.88**	**5945.75**

See attached Drum List for specific information for each drum loaded into the bulk container.

Drum List Attachment, Page 3 of 3
Manifest Number: 001754695JJK
Shipment ID Number: 6202-15-0110
Shipment Date: 2/24/2009
Bulk Container ID Number: TTSU202946-3

Barcode	WasteID	RFD	Net Vol	Gross Wt	Description	PCB Date
PAD94C24833	CAS-08581	7739	7.4	193	SWEEPING COMPOUND	3/16/1989
PAD94C24713	CAS-15089	7741	7.4	215	FLOOR SWEEP	4/18/1989
PAD94C24832	CAS-15098	7741	7.4	213	FLOOR SWEEP	4/18/1989
PAD94C22941	CAS-08747	9245	7.4	104	ZORBALL/RAGS/PADS	11/1/1989
PAD94C22942	CAS-08751	9245	7.4	131	ZORBALL/RAGS/PADS	11/1/1989
PAD94C22978	CAS-08752	9245	7.4	134	ZORBALL/RAGS/PADS	11/1/1989
PAD94C22869	CAS-09645	9288	7.4	130	OILY ZORBALL/PADS/TRASH	12/31/1989
PAD94C22985	CAS-09876	9295	7.4	492	ZORBALL	1/28/1990
PAD94C22884	CAS-09852	10998	7.4	300	FLOOR SWEEP	2/1/1990
PAD94C22885	CAS-09850	10998	7.4	282	FLOOR SWEEP	2/1/1990
PAD94C22901	CAS-10425	11606	7.4	104	PADS	4/3/1990
PAD94C24709	CAS-11199	13851	7.4	237	FLOOR SWEEP	7/18/1989
PAD94C21417	CAS-10161	15606	7.4	125	GLOVES	6/14/1990
PAD94C21418	CAS-10162	15607	7.4	439	ZORBALL, RAGS, GLOVES	6/14/1990
PAD94C02479	CAS-15279	5694	7.4	372	FLOOR SWEEEP	7/26/1989
PAD95C00634	CAS-17528	44495	7.4	144	RAGS/ZORBALL	12/12/1994
PAD94C22951	CAS-08749	9239	7.4	387	OILY ZORBALL	10/16/1989
PAD94C22839	CAS-09656	9288	7.4	185	OILY ZORBALL/PADS/TRASH	12/31/1989
PAD94C22840	CAS-09655	9288	7.4	185	OILY ZORBALL/PADS/TRASH	12/31/1989
PAD94C22888	CAS-09685	9288	7.4	100	OILY ZORBALL/PADS/TRASH	12/31/1989
PAD94C22952	CAS-10959	10831	7.4	88	OIL SOAKED PADDING & PIG PANS	8/3/1990
PAD94C22977	CAS-10840	10839	7.4	97	WASTE PADS, PIGS & ZORBALL	9/5/1990
PAD94C22981	CAS-10836	10839	7.4	78	WASTE PADS, PIGS & ZORBALL	9/5/1990
PAD04C04106	CAS-09855	10998	11.4	359	FLOOR SWEEP	2/1/1990
PAD94C22881	CAS-09854	10998	7.4	263	FLOOR SWEEP	2/1/1990
PAD94C22918	CAS-09858	10998	7.4	226	FLOOR SWEEP	2/1/1990
PAD94C22986	CAS-09853	10998	7.4	238	FLOOR SWEEP	2/1/1990
PAD94C22966	CAS-10426	11606	7.4	117	PADS	4/3/1990
PAD94C22967	CAS-10395	11606	7.4	106	PADS	4/3/1990
PAD94C02887	CAS-12941	11563	7.4	194	FLOOR SWEEP/MOPS	4/16/1991
PAD94C22912	CAS-11207	11662	7.4	103	OILY PANS, PIGS & TRASH	11/22/1990
PAD94C02889	CAS-14237	15226	7.4	192	FLOOR SWEEP	6/6/1991
PAD94C26976	CAS-15295	16650	11.4	400	FLOOR SWEEP	2/6/1990
PAD94C26991	CAS-15294	16650	11.4	275	FLOOR SWEEP	2/6/1990
PAD94C26992	CAS-15293	16650	11.4	375	FLOOR SWEEP	2/6/1990
PAD94C24712	CAS-10155	9235	7.4	363	ZORBALL	10/3/1989
PAD94C24840	CAS-15292	9802	7.4	250	FLOOR SWEEP	8/22/1989
PAD94C02899	CAS-12942	11563	7.4	193	FLOOR SWEEP/MOPS	4/16/1991
PAD94C02900	CAS-12943	11563	7.4	191	FLOOR SWEEP/MOPS	4/16/1991
PAD94C22855	CAS-09680	9288	7.4	181	OILY ZORBALL/PADS/TRASH	12/31/1989
PAD94C22919	CAS-09653	9288	7.4	185	OILY ZORBALL/PADS/TRASH	12/31/1989
PAD94C22984	CAS-09877	9295	7.4	484	ZORBALL	1/28/1990
PAD94C22837	CAS-09859	10998	7.4	260	FLOOR SWEEP	2/1/1990
	W07981		168	1000	PCB Empty Contaminated Container (Vacuum)	2/12/2009

ENERGYSOLUTIONS

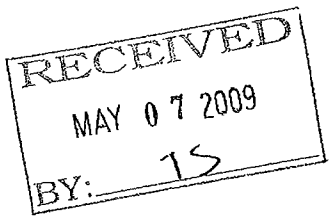
CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT982598898

DOE, Paducah, Paducah

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (CuFt)	Process	Disposal Location
9306-02-0016	54699	04/28/2009	0.7	Landfill	Mixed Waste
9306-02-0018	54704	04/28/2009	67.5	Landfill	Mixed Waste



The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

5/5/09
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

RT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754699 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Waste Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(Asbestos, PCB), Np-237, Tc-99, U-234, Solid/Oxide,4 MBq, Fissile Excepted	1	DM	2	K	D006
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 107B Trailer: U80154 TID: 0552082 Accumulation Start Date: 12/13/00 PCB Start Date: 11/06/02
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info Shipment ID: 9306-02-0016

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Mexicon on Behalf of US DOE | Signature: Carrie Mexicon | Month 03 | Day 13 | Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: KEN DOUGHERTY | Signature | Month 03 | Day 13 | Year 09

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number: RECEIVED MAR 13 2009 BY: TS

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Justin Lee | Signature | Month 13 | Day 16 | Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754699JJK
Shipment ID Number: 9306-02-0016
Shipment Date: 3/13/2009

RFD	WASTE ID	Barcode Number	Description	Accumulation Start Date	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
125055	125055-01	PAD07C03397	PCB/HAZ/ POTENTIAL ASBESTOS CONTAMINATED LIGHT FIXTURE	12/13/2000	11/6/2002	0.67	17	7.71	4.06
	Totals	1				**0.67**	**17.00**	**7.71**	**4.06**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	2	1-270-441-6211	001754704 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hillman Transport Services — U.S. EPA ID Number: TND987783085

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ (F001, F002), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 686 MBq, Fissile Excepted	4	DM	114	K	F001	F002	U228
X	2. Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ (F002), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 156 MBq, Fissile Excepted	1	DM	27	K	F002	F003	F005
X	3. Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ (F001, F002), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 629 MBq, Fissile Excepted	4	DM	108	K	D018	F001	F002
						F003	U228	
	4.							

14. Special Handling Instructions and Additional Information
Truck: 510A Trailer: U38296 TID: 0552087 Accumulation Start Date: 03/26/02 PCB Start Date: 03/27/02
ERG # 162 In the event of an RQ Release, call 1-800-424-9802 If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info Shipment ID: 9308-02-0018

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Mavie on behalf of USDOE — Signature: Carrie Mavie — Month: 03 Day: 31 Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Timothy L. Vigil — Signature: [signature] — Month: 3 Day: 31 Year: 9

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

RECEIVED APR 15 2009 BY: TS

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129	H129	H129	

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Justin Lee — Signature: [signature] — Month: 4 Day: 3 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **DESIGNATED FACILITY TO GENERATOR**

PCB and Additional Information Attachment, Page 2 of 2

Shipment ID Number: 9306-02-0018

Manifest Number: 001754704JJK

Shipment Date: 3/31/2009

UHWM Section ID	Container / WASTE ID	Barcode Number	Description	PCB Date to Storage	Accumulation Start Date	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
9.b.1.	104931-02	PAD02C05302	PCB CONTAMINATED DEBRIS: PPE, CUT UP WOOD FROM PALLETS AND PLYWOOD RAGS CONTAMINATED WITH SOY GOLD AND 409. PCB-704, SPILL CLEAN UP OF LEAKING DRUM RFD 13065 (CAS-1236).	03/27/02	03/26/02	7.4	154	69.85	258.90
9.b.1.	107727-01	PAD04C04976	BCS WASTE (PAPER, PLASTIC, PPE, PIGS, PADS...) FROM AGREED ORDER SAMPLING.	06/03/04	06/03/04	7.4	105	47.63	129.45
9.b.1.	109157-01	PAD08C05318	BCS SAMPLING DEBRIS - PPE, PLASTIC, PADS, GLASS	06/12/08	06/12/08	7.4	127	57.61	187.57
9.b.1.	109162-01	PAD08C05061	PPE/SAMPLING DEBRIS FROM TSCAL07-01 PROJECT	02/27/08	02/27/08	7.4	90	40.82	89.82
9.b.2.	109163-01	PAD08C05060	PPE/SAMPLING DEBRIS FROM TSCAL07-01 PROJECT	02/27/08	02/27/08	7.4	115	52.16	155.87
9.b.3.	113891-01	PAD07C03371	PPE/PLASTIC/PADS/RAGS GENERATED FROM SHIPMENT OF TSCAL05-02 (638-01R). RAGS FOUND FROM 109738-01 FOUND AFTER PUMPING.	10/10/07	05/06/05	7.4	162	73.48	280.03
9.b.3.	113891-02	PAD07C03295	PPE/PLASTIC/PADS/RAGS GENERATED FROM SHIPMENT OF TSCAL05-02 (638-01R). RAGS FOUND FROM 109738-01 FOUND AFTER PUMPING.	10/10/07	05/06/05	7.4	75	34.02	50.19
9.b.3.	113891-03	PAD07C03296	PPE/PLASTIC/PADS/RAGS GENERATED FROM SHIPMENT OF TSCAL05-02 (638-01R). RAGS FOUND FROM 109738-01 FOUND AFTER PUMPING.	10/10/07	05/06/05	7.4	85	38.56	76.61
9.b.3.	113891-04	PAD07C03294	PPE/PLASTIC/PADS/RAGS GENERATED FROM SHIPMENT OF TSCAL05-02 (638-01R). RAGS FOUND FROM 109738-01 FOUND AFTER PUMPING.	10/10/07	05/06/05	7.4	140	63.50	221.91
Totals	**9**					**66.60**	**1053.00**	**477.63**	**1450.34**

ENERGYSOLUTIONS

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT982598898

DOE, Paducah, Paducah

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (Cu/Ft)	Process	Disposal Location
9306-02-0017	54701	06/11/2009	96.0	Landfill	Mixed Waste

RECEIVED
JUL 08 2009
BY:

The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

6/25/09
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: KY 8890008982
2. Page 1 of: 2
3. Emergency Response Phone: 1-270-441-6211
4. Manifest Tracking Number: 001754701 JJK

GENERATOR

5. Generator's Name and Mailing Address:
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address):
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc.
U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, Am-241, Np-237, Th-230, Solid/Oxide, 8 MBq	1	CM	12	K	F001	F002	U238
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Truck: 333 Trailer: 4848 Accumulation Start Date: 07/12/89 PCB Start Date: 07/12/89
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info Shipment ID: 9306-02-0017

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE
Signature: Carrie Maxie
Month: 03 Day: 27 Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jerry Wyatt
Signature: Jerry Wyatt
Month: 3 Day: 27 Year: 09
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

RECEIVED APR 1 0 2009 BY: TS

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. TS 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee
Signature: Justin Lee
Month: 3 Day: 30 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **DESIGNATED FACILITY TO GENERATOR**

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754701JJK
Shipment ID Number: 9306-02-0017
Shipment Date: 3/27/2009

RFD	WASTE ID	Barcode Number	Description	Accumulation Start Date	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	TID Numbers
125089	125089-01	PAD08C05275	PPE, BCS WASTE, PLASTIC, AND TOOLS FROM TCE OILY SLUDGE PROJECT REMOVED FROM 125086-01.	7/12/1989	7/12/1989	90	826	374.67	7.73	0025714 / 0025715
	Totals	**1**				**90.00**	**826.00**	**374.67**	**7.73**	

ENERGYSOLUTIONS

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT982598898

DOE, Paducah, Paducah

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (Cu/Ft)	Process	Disposal Location
9306-02-0019;	54706	04/28/2009	0.7	Landfill	Mixed Waste

RECEIVED
MAY 07 2009
BY: TS

The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

5/5/09
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008952	2	1-270-441-6211	001754706 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Hittman Transport Services
U.S. EPA ID Number
TND987783065

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number
UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ (F001, F002), Am-241, Pu-238, Pu-239, Tc-99, Th-230, U-234, Solid/Oxide, 8 MBq, Fissile Excepted	1	DM	5	K	F001 F005	F002 F007	U228 F008
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Truck: 510A Trailer: U38296 TID: 0552087 Accumulation Start Date: 08/21/07 PCB Start Date: 08/15/06
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info Shipment ID: 9306-07-0004 02-0019

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of US DOE
Signature: Carrie Maxie
Month 03 Day 31 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Timothy L. Vigil
Signature:
Month 3 Day 31 Year 9
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

RECEIVED
APR 15 2009
BY:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129		TS	TS

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee
Signature:
Month 4 Day 3 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Shipment ID Number: 9306-02-0019

Manifest Number: 001754706JJK

Shipment Date: 3/31/2009

Container / WASTE ID	Barcode Number	Description	PCB Date to Storage	Accumulation Start Date	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
104985-01	PAD07C03286	COMBUSTIBLE SOLID LAB WASTE; PREDOMINATELY HEXANES AND ACETONE CONTAMINATED.	08/15/06	08/21/07	0.67	22	9.98	7.58
Totals	**1**				**0.67**	**22.00**	**9.98**	**7.58**

EPA ID# TND982109142

COD Number: TS2009001

Certificate of Destruction

Diversified Scientific Services, Inc. of Kingston, TN is providing this certificate to confirm the destruction of TSCA Regulated PCB waste by Alternate Thermal Treatment (40CFR 761.60(e)

Hereby certifies such destruction on: 6/19/2009

Attached list of containers from Shipment Number DSSI-09-045

Shipped on Hazardous Waste Manifest Number 001754709JJK

Generator Name	**US Department of Energy - Paducah**
EPA ID No.	**KY8890008982**
Address	**5600 Hobbs Road MS-7431**
City, State, Zip	**Paducah KY 42001-**
Contact	**Greg McGowan**

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U. S. C. 1001 and 15 U. S. C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I cerify as a company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

RECEIVED
JUN 19 2009
TS

By: Dawn Garrett

Title: Waste Tracking Shipping

Signature: Dawn Garrett

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: KY 8890008982
2. Page 1 of: 4
3. Emergency Response Phone: 1-270-441-6211
4. Manifest Tracking Number: 001754709 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services
U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Diversified Scientific Services, Inc. (DSSI)
657 Gallaher Rd, Kingston, TN 37763
1-865-376-8747
Facility's Phone:
U.S. EPA ID Number: TND982109142

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
RQ	1. Hazardous waste, liquid, n.o.s., (PCB), 9, NA3082, PG-III	16	DM	2886	K	D007	D027	D030
						D032	D033	D034
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Truck: 510A Trailer: U38296 TID: 0552100 PCB Start Date: 01/24/09 Accumulation Start Date: 01/24/09
ERG # 171 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
See PCB Attachment and TSCA Waste Data Sheet for Additional Info Shipment ID: DSSI-09-045

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of US DOE
Signature: Carrie Maxie
Month: 03 Day: 31 Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Timothy G. Vigil
Signature:
Month: 3 Day: 31 Year: 9

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

RECEIVED APR 14 2009 BY:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.
H040		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Dawn Garrett
Signature: Dawn Garrett
Month: 04 Day: 07 Year: 09

AD-107-09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **DESIGNATED FACILITY TO GENERATOR**

PCB & Additional Information Attachment, Page 2 of 4

Manifest Number: 001754709JJK

Shipment ID Number: DSSI-09-045

Shipment Date: 3/31/2009

Carried Mance 3/31/09

RFD	WASTE ID	Barcode Number	Description	Accumulation Start Date	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	PCB Dates to Storage
108895	108895-01	PAD08C05068	VENTILATION DUCT LIQUID	1/24/08	6.63	470	213.19	1.32	1/24/2008
108895	108895-02	PAD08C05086	VENTILATION DUCT LIQUID	3/5/08	6.44	458	207.74	1.28	3/5/2008
108895	108895-03	PAD08C05087	VENTILATION DUCT LIQUID	4/1/08	6.60	468	212.28	1.32	4/1/2008
108895	108895-04	PAD08C05277	VENTILATION DUCT LIQUID	4/23/08	6.60	468	212.28	1.32	4/23/2008
108895	108895-05	PAD08C05276	VENTILATION DUCT LIQUID	4/23/08	6.66	478	216.82	1.35	4/23/2008
108895	108895-06	PAD08C05292	VENTILATION DUCT LIQUID	5/29/08	6.57	466	211.37	1.31	5/29/2008
108895	108895-07	PAD08C05360	VENTILATION DUCT LIQUID	6/25/08	6.66	473	214.55	1.33	6/25/2008
108898	108898-01	PAD08C05378	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	8/13/08	6.66	472	214.09	1.33	8/13/2008
108898	108898-02	PAD08C06111	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	10/1/08	6.41	456	206.84	1.28	10/1/2008
108898	108898-03	PAD08C06154	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	11/3/08	5.93	426	193.23	1.18	11/3/2008
108898	108898-04	PAD08C06194	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	11/6/08	6.55	465	210.92	1.31	11/6/2008
108898	108898-05	PAD09C10161	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	2/2/09	6.52	463	210.01	1.30	2/2/2009
108898	108898-06	PAD09C10162	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	2/3/09	6.31	450	204.12	1.26	2/3/2009
108898	108898-07	PAD09C10163	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS	2/4/09	5.87	422	191.41	1.17	2/4/2009
108900	108900-01	PAD08C06193	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS.	12/8/08	6.49	461	209.10	1.29	12/8/2008
108900	108900-03	PAD09C10171	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS.	2/10/09	4.90	362	164.20	0.98	2/10/2009
	Totals	**16**			**101.82**	**7258**	**3292.16**	**20.32**	

TSCA WASTE DATA SHEET

ATTACHMENT TO:
Manifest #: 001754709JJK

WASTE PROFILE NUMBER: HWM LINE NUMBER:	GENERATOR'S UNIQUE IDENTIFYING NUMBER	DESCRIPTION OF PCB WASTE	DATE OF REMOVAL FROM SERVICE OR DISPOSAL	WEIGHT IN KILOGRAMS[1]
09-03-017 9b.1.	108895-01	Vent Duct Liquids wPCBs	24-Jan-08	187.8
09-03-017 9b.1.	108895-02	Vent Duct Liquids wPCBs	05-Mar-08	182.3
09-03-017 9b.1.	108895-03	Vent Duct Liquids wPCBs	01-Apr-08	186.9
09-03-017 9b.1.	108895-04	Vent Duct Liquids wPCBs	23-Apr-08	186.9
09-03-017 9b.1.	108895-05	Vent Duct Liquids wPCBs	23-Apr-08	191.4
09-03-017 9b.1.	108895-06	Vent Duct Liquids wPCBs	29-May-08	186.0
09-03-017 9b.1.	108895-07	Vent Duct Liquids wPCBs	25-Jun-08	189.1
09-03-017 9b.1.	108898-01	Vent Duct Liquids wPCBs	13-Aug-08	188.7
09-03-017 9b.1.	108898-02	Vent Duct Liquids wPCBs	01-Oct-08	181.4
09-03-017 9b.1.	108898-03	Vent Duct Liquids wPCBs	03-Nov-08	167.8
09-03-017 9b.1.	108898-04	Vent Duct Liquids wPCBs	06-Nov-08	185.5
09-03-017 9b.1.	108898-05	Vent Duct Liquids wPCBs	02-Feb-09	184.6
09-03-017 9b.1.	108898-06	Vent Duct Liquids wPCBs	03-Feb-09	178.7

WASTE PROFILE NUMBER: HWM LINE NUMBER:	GENERATOR'S UNIQUE IDENTIFYING NUMBER	DESCRIPTION OF PCB WASTE	DATE OF REMOVAL FROM SERVICE OR DISPOSAL	WEIGHT IN KILOGRAMS[1]
09-03-017 9b.1.	108898-07	Vent Duct Liquids wPCBs	04-Feb-09	166.0
09-03-017 9b.1.	108900-01	Vent Duct Liquids wPCBs	08-Dec-08	183.7
09-03-017 9b.1.	108900-03	Vent Duct Liquids wPCBs	10-Feb-09	138.8

[1] Net waste weight excluding container or other basis

Perma-Fix Environmental Services, Inc
657 Gallaher Road, Kingston, TN 37763
Phone: 865-376-0084
Fax: 865-376-0087

Date Sent: 4/7/09

ACKNOWLEDGMENT OF RECEIPT OF RADIOACTIVE WASTE

This is to certify that the radioactive material described below was received at the Diversified Scientific Services, Inc. (DSSI) facility in Kingston, Tennessee. This certification satisfies the requirements of Title 10 Code of Federal Regulations Part 20, Appendix G and the Tennessee "State Regulations for Protection Against Radiation". This letter acknowledges receipt of the waste only. Waste analysis has not been completed. If any discrepancies exist after waste analysis is complete, you will be contacted by separate correspondence.

Manifest Number:	001754709JJK
Shipment Authorization #:	DSSI-09-045
Generator Name:	United States Enrichment Corporation
Address:	Paducah Gaseous Diffusion Plant
	5600 Hobbs Road
	Paducah, KY 42053
Attention:	Carrie Maxie
Shipper:	Hittman Transport
Date Received:	4/7/09

Waste Tracking Specialist Signature: Dawn Daniels Date: 4/7/09

Discrepancies (if any):

RECEIVED
APR 20 2009
BY:

AD-013, REV. 23
APPENDIX B, PAGE 1

AD-0107-09

May 8, 2009

Ms. Carrie Maxie
US DOE c/o Paducah Remediation Services
761 Veterans Avenue
Kevil, KY 42053

Subject: Hazardous Waste Manifest 001754709 JJK

Ms. Carrie Maxie:

This is to notify you that wastes generated by your facility, and as described on the enclosed Hazardous Waste Manifest, have been received by Diversified Scientific Services, Inc.

If you have any questions concerning these wastes, please feel free to call me at (865) 376-0084.

Sincerely,

Gloria Bates
Customer Service Representative

File: DSSI-09-045

DSSI / Perma-Fix Environmental Services
657 Gallaher Road
Kingston, TN 37763

ENERGY*SOLUTIONS*

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT982598898

DOE, PGDP/Paducah,

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (Cu/Ft)	Process	Disposal Location
6202-14-0003	54730	06/19/2009	1,360.0	Landfill	Mixed Waste

RECEIVED
JUN 30 2009
BY: TS

The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

6/25/09
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754730 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Paducah & Louisville Railway, Inc — U.S. EPA ID Number: KYD000735845

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone: — U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Environmentally hazardous substances, solid, n.o.s., 9, UN3077, PG-III, (PCB)	1	CM	2566	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 171, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 5/9/1988
If undeliverable, return to generator
Shipment ID: 6202-14-0003

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Teresa Setser for DOE — Signature: [signature] — Month Day Year: 05 22 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Teresa Setser for P+L — Signature: [signature] — Month Day Year: 05 22 09
Transporter 2 Printed/Typed Name — Signature — Month Day Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number: U.S. EPA ID Number:

RECEIVED JUN 11 2009 BY: [signature] TS

18b. Alternate Facility (or Generator)
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Albert Evans — Signature: [signature] — Month Day Year: 6 09 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754730JJK
Shipment ID Number: 6202-14-0003
Shipment Date: 5/22/2009

RFD	Container / WASTE ID	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq	TID #1
109654	109654-01	Wood Pallets, Plywood, and Cleanup Debris	05/09/88	473	14480	6567.98	3.308	0023645
Totals	1			**473**	**14480**	**6567.9832**	**3.308**	

Drum List Attachment, Page 3 of 3
Manifest Number: 001754730JJK
Shipment ID Number: 6202-14-0003
Shipment Date: 5/22/2009
Bulk Container ID Number: TTSU202946-3

Barcode	RFID	WasteID	CurrVol	CurrWt	Description	PCB Date
PAD98C03579	102532	102532-01	7.4	111	WOOD -COLLECTION	5/10/88
PAD03C01364	106777	106777-01	11.4	94	MISCELLANEOUS PCB CONTAMINATED WOOD. GENERATED FROM SPILL CLEAN UP ACTIVITIES.	7/16/03
PAD94C22799	39104	CAS-16681	7.4	158	PLASTIC/PALLETS (PCB SPILL)	12/2/93
PAD94C02611	16631	CAS-14596	7.4	189	PCB SPILL CLEANUP - WOOD/PLASTIC	9/26/91
PAD95C00135	41621	CAS-17692	7.4	141	WOOD PIECES	11/22/94
PAD94C22979	8415	CAS-09737	7.4	125	OIL CONTAMINATED WOOD	8/16/89
PAD01C02977	16395	CAS-15335	11.4	296	PALLETS	5/18/92
PAD01C03001	18487	CAS-15225	11.4	318	PLYWOOD	4/15/92
PAD01C03336	18483	CAS-15064	11.4	209	WOOD/PLASTIC/PPE	3/3/92
PAD01C02771	31676	CAS-15946	11.4	257	PALLETS/PLASTIC	10/14/92
PAD01C03337	23589	CAS-14959	11.4	267	PALLETS	2/28/92
PAD01C03338	23589	CAS-14958	11.4	284	PALLETS	2/28/92
PAD01C03339	23589	CAS-14957	11.4	148	PALLETS	2/28/92
PAD94C00950	15608	CAS-10280	7.4	150	WOOD	6/22/90
PAD94C02880	34722	CAS-16608	7.4	163	PALLETS	10/22/93
PAD94C22133	31679	CAS-15949	7.4	166	WOOD PALLETS FROM SPILLS	3/25/93
PAD94C22219	36764	CAS-17034	7.4	100	PLYWOOD/PLASTIC	2/25/94
PAD94C22802	39141	CAS-17036	7.4	83	PLYWOOD FROM STORAGE DIKES	3/1/94
PAD94C22803	36764	CAS-17033	7.4	156	PLYWOOD/PLASTIC	2/25/94
PAD94C25917	6278	CAS-06190	7.4	154	WOOD PALLET	5/17/88
PAD95C00040	46048	CAS-18097	7.4	134	WOOD/PLASTIC	9/14/95
PAD95C00759	45991	CAS-18025	7.4	112	WOOD/PLASTIC	5/4/95
PAD94C02881	34722	CAS-16605	7.4	187	PALLETS	10/22/93
PAD94C02882	34722	CAS-16604	7.4	180	PALLETS	10/22/93
PAD94C02893	34722	CAS-16606	7.4	169	PALLETS	10/22/93
PAD94C02894	34722	CAS-16607	7.4	162	PALLETS	10/22/93
PAD94C22217	36764	CAS-17030	7.4	194	PLYWOOD FROM STORAGE DIKES	2/25/94
PAD94C22218	36764	CAS-17031	7.4	161	PLYWOOD FROM STORAGE DIKES	2/25/94
PAD94C22231	38162	CAS-16013	7.4	176	WOODEN PALLET FROM SPILL CLEANUP	5/10/93
PAD94C22804	36764	CAS-17029	7.4	130	PLYWOOD FROM STORAGE DIKES	2/25/94
PAD94C22805	36764	CAS-17032	7.4	163	PLYWOOD/PLASTIC	2/25/94
PAD94C22819	41367	CAS-16674	7.4	211	PALLETS (FROM SPILL)	11/22/93
PAD95C00136	41621	CAS-17693	7.4	119	WOOD PIECES	11/22/94
PAD94C02370	18481	CAS-15053	7.4	143	WOOD	11/5/91
PAD95C01494	51369	51369-01	7.4	146	PALLET	9/27/95
PAD95C01495	51371	51371-01	7.4	64	PLASTIC/WOOD SHAVINGS	9/27/95
PAD96C00342	51349	51349-01	7.4	140	WOODEN PALLET/PLYWOOD	7/12/96
PAD98C02723	61972	61972-01	7.4	73	WOOD SCRAP	5/9/88
PAD01C02400	104350	104350-01	7.4	110	CUT UP WOODEN PALLETS FROM SPILL OF RFD 11094 (CAS-14967) 5/9/01.	5/10/01
PAD97C00779	55657	55657-01	7.4	73	CUT-UP WOODEN PALLET	10/13/97
PAD99C01177	101467	101467-01	7.4	107	WOOD/PPE FROM PUMP WAGON	12/16/99
PAD94C02369	18481	CAS-15054	7.4	79	WOOD/PPE	11/5/91
PAD95C02740	55765	55765-02	7.4	125	PLYWOOD	7/21/97
PAD95C09648	53989	53989-01	7.4	152	WOODEN PALLETS	3/8/96
PAD95C10778	53219	53219-01	7.4	99	WOOD/PPE/PLASTIC	10/22/96
PAD97C03668	55778	55778-01	7.4	78	WOOD-CUT UP PALLET	11/11/97
PAD01C02734	103893	103893-01	7.4	133	WOOD PALLET FROM PCB SPILL CLEANUP OF CAS-14965 (PCB-692).	6/4/01
PAD04C04844	107134	107134-01	7.4	103	SPILL CLEANUP DEBRIS; PPE, RAGS, WOOD PALLETS, PLASTIC FROM LEAKING DRUMS CAS-12855, CAS-12850.	7/12/04
PAD95C01648	53982	53982-01	7.4	154	WOOD PALLET	2/6/96
PAD95C01889	51359	51359-01	7.4	118	WOOD/PLASTIC/PPE	11/22/95
PAD95C02739	55765	55765-01	7.4	151	PLYWOOD	7/21/97
PAD95C09649	53990	53990-01	7.4	101	WOOD PALLETS/PLASTIC	3/8/96
PAD97C01336	48718	48718-01	7.4	134	WOOD/PALCO (WET)	6/11/97
PAD98C02364	102262	102262-01	7.4	60	PCB WOOD	7/29/98
PAD99C00120	101463	101463-01	7.4	75	2 PALLETS CONTAMINATED W/74 PPM PCB ON M-6 TRANS JOB. WRAPPED IN BLACK PLASTIC W/PCB LABEL	6/14/99
PAD01C02693	17735	CAS-15564	11.4	251	WOOD PALLET/PLASTIC	9/16/92
PAD01C02700	18496	CAS-15232	11.4	284	WOODEN PALLETS	4/28/92
PAD01C02766	18496	CAS-15231	11.4	298	WOODEN PALLETS	4/28/92

ENERGYSOLUTIONS

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT982598898

DOE, PGDP/Paducah,

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (CU/FT)	Process	Disposal Location
6202-15-0129	54743	08/19/2009	112.7	Landfill	Mixed Waste
6202-15-0130	54748	08/19/2009	11.9	Landfill	Mixed Waste
6202-15-0131	54751	08/19/2009	34.4	Landfill	Mixed Waste

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AUG 31 2009
BY:

The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

8/21/09
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754743 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Np-237, Th-230, U-234, Solid/Oxide, 246 MBq, Fissile Excepted	3	DM	151	K	
X	2. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Np-237, Th-230, Solid/Oxide, 1237 MBq	10	DM	709	K	
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 342 Trailer: 7366 TID: 0552188 — PCB Start Date: 07/18/89
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 — If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info — Shipment ID: 6202-15-0129

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of DOE — Signature: LaChelle Telfair — Month 07 Day 14 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: LARRY E. BEARD — Signature: Larry E Beard — Month 07 Day 14 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED JUL 22 2009 BY XS

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129	H129		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. Gardner — Signature — Month 7 Day 17 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRE

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754743JJK

Shipment ID Number: 6202-15-0129

Shipment Date: 7/14/2009

UHWM Section	RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
Page 1 - 9b.1	103952	103952-01	PAD01C02065	>50PPM PCB SOLID WASTE; OILY RAGS, PIGS, PADS, BUCKETS, ETC.	8/30/00	7.4	70	31.75	10.32
Page 1 - 9b.1	13851	CAS-11198	PAD94C24835	FLOOR SWEEP	7/18/89	7.4	237	107.50	133.44
Page 1 - 9b.1	50327	CAS-18101	PAD09C10621	OILY RAGS/SCRUB PADS	1/20/95	7.4	275	124.74	102.48
Page 1 - 9b.2	8864	CAS-11300	PAD94C03153	ZORBAL, OILY RAGS	12/6/90	7.4	269	122.02	105.32
Page 1 - 9b.2	13887	CAS-13028	PAD94C03478	ABSORBENTS - SPILL CLEANUP	5/14/91	7.4	130	58.97	58.60
Page 1 - 9b.2	9844	CAS-14325	PAD94C00591	ZORBALL	12/11/90	7.4	407	184.61	277.96
Page 1 - 9b.2	9844	CAS-14326	PAD94C00588	RFD HAD WASTE OIL, WAS ZORBALL	12/11/90	7.4	663	300.73	480.69
Page 1 - 9b.2	17525	CAS-14682	PAD94C02420	PLASTIC, PADS, RAGS	7/29/91	7.4	141	63.96	67.31
Page 1 - 9b.2	11097	CAS-14969	PAD01C03115	PLASTIC/PPE/ZORBALL	3/6/92	7.4	205	92.99	54.64
Page 1 - 9b.2	18307	CAS-15165	PAD04C05022	OILY RAGS	5/10/91	7.4	281	127.46	114.83
Page 1 - 9b.2	18307	CAS-15166	PAD94C02385	OILY RAGS	5/10/91	7.4	81	36.74	19.80
Page 1 - 9b.2	18488	CAS-15226	PAD01C02941	PPE/PLASTIC/ABSORBENTS/SAWDUST	4/1/92	7.4	208	94.35	57.02
Page 1 - 9b.2	116959	116959-01	PAD07C04068	PCB SOLIDS (PPE, ABSORBENT PADS, ETC...)	9/11/07	0.67	13	5.90	0.79
		Totals	**13**			**89.47**	**2980**	**1351.70**	**1483.21**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754748 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
1-270-441-5000
Generator's Phone:

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Specialty Transport Inc.
U.S. EPA ID Number
TNR000011247

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone:
U.S. EPA ID Number
UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, Type A package, fissile, 7, UN3327, RQ(PCB), Am-241, Tc-99, Th-230, U-234, Solid/Oxide, 1181 MBq, RADIOACTIVE YELLOW-II, TI =0.2, CSI =1.6, USA DOT 7A TYPE A	1	DM	117	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 333 Trailer: 7352 TID: 0552210
ERG # 165 in the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 06/14/90
If undeliverable, return to generator
Shipment ID: 6202-15-0130

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of DOE
Signature: LaChelle Telfair
Month Day Year: 07 17 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JAMES LEE PAYNE
Signature: James Lee Payne
Month Day Year: 7 17 09
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
U.S. EPA ID Number:

RECEIVED
JUL 22 2009
DOE

18b. Alternate Facility (or Generator)
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARDNER
Signature:
Month Day Year: 7 20 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Shipment ID Number: 6202-15-0130

Manifest Number: 001754748JJK

Shipment Date: 7/17/2009

RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
13530	CAS-10128	PAD09C10628	VACUUM CLEANER DUST/C400 OLD VAC/METAL SLAG	6/14/90	7.4	374	169.64	1180.53
	Totals	**1**			**7.40**	**374**	**169.64**	**1180.53**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	2	1-270-441-6211	001754751 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
1-270-441-5000
Generator's Phone:

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone:
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Np-237, Th-230, U-234, Solid/Oxide, 63 MBq, Fissile Excepted	1	DM	39	K	
X	2. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Np-237, Th-230, Solid/Oxide, 199 MBq	3	DM	114	K	
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 333 Trailer: 7147 TID: 0552186
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
Exclusive Use Shipment, See PCB Attachment for Additional Info
PCB Start Date: 06/10/91
If undeliverable, return to generator
Shipment ID: 6202-15-0131

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: ~~LaChelle Telfair~~ 7/24/09 LaChelle Telfair on behalf of DOE — Signature: LaChelle Telfair — Month 07 Day 24 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month Day Year

Transporter 2 Printed/Typed Name: JAMES LEE PAYNE — Signature: James Lee Payne — Month 7 Day 24 Year 09

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

RECEIVED JUL 29 2009 BY: TS

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129	H129		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. GARDNER — Signature — Month 7 Day 27 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: .001754751JJK

Shipment ID Number: 6202-15-0131

Shipment Date: 7/24/2009

UHWM Section	RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
Page 1 - 9b.1	101022	101022-01	PAD00C00426	FILTERS/ABSORBENTS/PPE	11/3/98	7.4	222	100.70	63.40
Page 1 - 9b.2	13890	CAS-14146	PAD94C02557	FLOOR SWEEP	6/10/91	7.4	104	47.17	38.01
Page 1 - 9b.2	13890	CAS-14149	PAD94C02508	FLOOR SWEEP	6/10/91	7.4	96	43.54	31.68
Page 1 - 9b.2	13890	CAS-14162	PAD94C02563	FLOOR SWEEP	6/10/91	7.4	219	99.34	129.08
		Totals	**4**			**29.60**	**641**	**290.75**	**262.17**

ENERGYSOLUTIONS

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT9825988898

DOE, Paducah, Paducah

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (Cu/Ft)	Process	Disposal Location
9306-02-0020	54753	08/19/2009	59.5	Landfill	Mixed Waste

RECEIVED
AUG 13 2009
BY:

The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

8/24/09
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754753 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, solid, n.o.s., 9, NA3077, PG-III, RQ (D006, PCB)	5	DM	451 ~~449~~ cr 8/7/09	K	D006	D008	D018
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Truck: 333 Trailer: 7366 TID: 055210 PCB Date to Storage: 12/10/90 Accumulation Start Date: 12/10/90
ERG # 171 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
See Attachment for Additional Info PM00953 Shipment ID: 9306-02-0020

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Lachelle Telfair on behalf of DOE — Signature: Lachelle Telfair — Month 08 Day 07 Year 09

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JAMES LEE PAYNE — Signature: James Lee Payne — Month 8 Day 7 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED AUG 14 2009 BY: TS

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARDNER — Signature — Month 8 Day 11 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754753JJK

Shipment ID Number: 9306-02-0020

Shipment Date: 8/7/2009

RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	Accumulation Start Date	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
108954	108954-01	PAD07C03137	OIL FILTERS FROM HILCO FILTER PUMPS (RFD 108951). NO FREE LIQUIDS. METAL FRAMED FILTERS.	07/25/06	7/25/06	11.4	489	221.81	0.27
13228	CAS-11283	PAD02C06137	RAGS, FILTERS	12/10/90	12/10/90	7.4	287	130.18	0.10
13228	CAS-11284	PAD09C10744	RAGS, FILTERS	12/10/90	12/10/90	7.4	203	92.08	0.04
13234	CAS-12573	PAD03C01358	RAGS/FILTERS/GLASS SMPL BOTTLES	02/21/91	2/21/91	7.4	366	166.01	0.15
13234	CAS-12574	PAD04C05017	RAGS/FILTERS/GLASS SMPL BOTTLES	02/21/91	2/21/91	7.4	273	123.83	0.09
	Totals	**5**				**41.00**	**1618.00**	**733.91**	**0.65**

ENERGY*SOLUTIONS*

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT9825988898

DOE, PGDP/Paducah,

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (Cu/Ft)	Process	Disposal Location
6202-15-0133	54759	08/21/2009	7.5	Landfill	Mixed Waste

The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

8/24/09
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

RECEIVED
AUG 31 2009
BY: B

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	2	1-270-441-6211	001754759 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Am-241, Tc-99, Th-230, U-234, Solid/Oxide, 146 MBq, Fissile Excepted	1	DM	34	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 333 Trailer: 7366 TID: 0552101
PCB Start Date: 12/31/89
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
If undeliverable, return to generator
Exclusive Use Shipment, See PCB Attachment for Additional Info PR05790
Shipment ID: 6202-15-0133

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of DOE — Signature: [signature] — Month 08 Day 07 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JAMES LEE PAYNE — Signature: [signature] — Month 8 Day 7 Year 09
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED AUG 14 2009 BY: B

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARDNER — Signature: [signature] — Month 8 Day 11 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Shipment ID Number: 6202-15-0133

Manifest Number: 001754759JJK

Shipment Date: 8/7/2009

RFD	WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
9288	CAS-09660	PAD94C00428	TRASH PER SAMPLING	12/31/89 ~	7.4	130	58.97	145.69
	Totals	**1**			**7.40**	**130**	**58.97**	**145.69**

EPA ID# TND982109142

COD Number: TS2009033

657 Gallaher Road
Kinston, TN 37763

Certificate of Disposal

Diversified Scientific Services, Inc. of Kingston, TN is providing this certificate to confirm the disposal of TSCA Regulated PCB waste by Alternate Thermal Treatment (40CFR 761.60(e)).

Hereby certifies such destruction on: 11/13/2009

Attached list of containers from Shipment Number DSSI-09-137

Shipped on Hazardous Waste Manifest Number 001754760JJK

Generator Name	**US Department of Energy - Paducah**
EPA ID No.	**KY8890008982**
Address	**5600 Hobbs Road MS-7431**
City, State, Zip	**Paducah KY 42001-**
Contact	**Tim Stout**

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U. S. C. 1001 and 15 U. S. C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I cerify as a company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

RECEIVED
DEC 09 2009
BY:

By: Dawn Garrett

Title: Waste Tracking Shipping

Signature: Dawn Garrett

Certificate of Destruction
TS2009033

ShipmentNumber	HazManifestNumber	WPSNumber	PackageNumber	ItemNumber	GeneratorCode	BurnCampaignNumber	DateBurnStop	WasteCode	DateReceived
DSSI-09-137	001754760JJK	09-03-016	55171	107427-01	KYUS01	09-031	13-Nov-09	Bulk Liquid - PCB Labpack	27-Aug-09
DSSI-09-137	001754760JJK	09-03-016	55172	109172-01	KYUS01	09-031	13-Nov-09	Bulk Liquid - PCB Labpack	27-Aug-09

107427-01 41 kg 7.4.

109172-01 35 kg 7.4 cu/ft

76 kg.

EPA ID# TND982109142

COD Number: TS2009025

657 Gallaher Road
Kinston, TN 37763

Certificate of Disposal

Diversified Scientific Services, Inc. of Kingston, TN is providing this certificate to confirm the disposal of TSCA Regulated PCB waste by Alternate Thermal Treatment (40CFR 761.60(e)).

Hereby certifies such destruction on:	**10/26/2009**
Attached list of containers from Shipment Number	**DSSI-09-137**
Shipped on Hazardous Waste Manifest Number	**001754760JJK**

Generator Name	**US Department of Energy - Paducah**
EPA ID No.	**KY8890008982**
Address	**5600 Hobbs Road MS-7431**
City, State, Zip	**Paducah KY 42001-**
Contact	**Tim Stout**

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U. S. C. 1001 and 15 U. S. C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I cerify as a company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

By: Dawn Garrett

Title: Waste Tracking Shipping

Signature: Dawn Garrett

Certificate of Destruction
TS2009025

ShipmentNumber	HazManifestNumber	WPSNumber	PackageNumber	ItemNumber	GeneratorCode	BurnCampaignNumber	DateBurnStop	WasteCode	DateReceived
DSSI-09-137	001754760JJK	09-03-017	55146	108900-02	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	001754760JJK	09-03-017	55147	108900-04	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	001754760JJK	09-03-015	55151	123123-06	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	001754760JJK	09-03-015	55152	123123-05	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	001754760JJK	09-03-015	55153	123123-08	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	001754760JJK	09-03-015	55154	123123-09	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	001754760JJK	09-03-015	55155	118352-02	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	001754760JJK	09-03-015	55156	118352-04	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	001754760JJK	09-03-015	55157	118352-05	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	001754760JJK	09-03-015	55158	123123-03	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	001754760JJK	09-03-015	55159	118352-03	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	001754760JJK	09-03-015	55160	123123-01	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	001754760JJK	09-03-015	55161	123123-02	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	001754760JJK	09-03-015	55162	123123-04	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	001754760JJK	09-03-015	55163	123123-11	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	001754760JJK	09-03-015	55164	118352-06	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	001754760JJK	09-03-018	55165	120273-01	KYUS01	09-025	26-Oct-09	Bulk Liquid	27-Aug-09
DSSI-09-137	001754760JJK	09-03-018	55166	109607-01	KYUS01	09-025	26-Oct-09	Bulk Liquid	27-Aug-09
DSSI-09-137	001754760JJK	09-03-018	55167	109607-02	KYUS01	09-025	26-Oct-09	Bulk Liquid	27-Aug-09
DSSI-09-137	001754760JJK	09-03-018	55168	109607-03	KYUS01	09-025	26-Oct-09	Bulk Liquid	27-Aug-09
DSSI-09-137	001754760JJK	09-03-018	55169	109607-04	KYUS01	09-025	26-Oct-09	Bulk Liquid	27-Aug-09
DSSI-09-137	001754760JJK	09-03-019	55170	123116-01	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	001754760JJK	09-05-021	55173	120268-01	KYUS01	09-025	26-Oct-09	Bulk Liquid	27-Aug-09
DSSI-09-137	001754760JJK	09-03-012	55175	4799	KYUS01	09-025	26-Oct-09	Bulk Liquid	27-Aug-09
DSSI-09-137	001754760JJK	09-08-022	55176	108284-01	KYUS01	09-025	26-Oct-09	Bulk Liquid	27-Aug-09
DSSI-09-137	001754760JJK	09-08-022	55177	100357-01	KYUS01	09-025	26-Oct-09	Bulk Liquid	27-Aug-09
DSSI-09-137	001754760JJK	09-08-022	55178	100368-01	KYUS01	09-025	26-Oct-09	Bulk Liquid	27-Aug-09
DSSI-09-137	001754760JJK	09-08-022	55179	104832-01	KYUS01	09-025	26-Oct-09	Bulk Liquid	27-Aug-09
DSSI-09-137	001754760JJK	09-08-023	55180	104427-01	KYUS01	09-025	26-Oct-09	Bulk Liquid	27-Aug-09
DSSI-09-137	001754760JJK	09-08-023	55181	104427-02	KYUS01	09-025	26-Oct-09	Bulk Liquid	27-Aug-09
DSSI-09-137	001754760JJK	09-03-013	55184	108146-01	KYUS01	09-025	26-Oct-09	Bulk Liquid	27-Aug-09
DSSI-09-137	001754760JJK	09-03-013	55185	108186-02	KYUS01	09-025	26-Oct-09	Bulk Liquid	27-Aug-09
DSSI-09-137	001754760JJK	09-03-013	55186	109609-01	KYUS01	09-025	26-Oct-09	Bulk Liquid	27-Aug-09
DSSI-09-137	001754760JJK	09-08-024	55182	5029	KYUS01	09-025	26-Oct-09	Bulk Liquid	27-Aug-09
DSSI-09-137	001754760JJK	09-03-013	55183	108186-01	KYUS01	09-025	26-Oct-09	Bulk Liquid	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55188	115978-01	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09

Certificate of Destruction
TS2009025

DSSI-09-137	001754760JJK	09-03-014	55190	115979-01	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55191	115977-01	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55192	115976-01	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55193	115980-02	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55194	115977-02	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55195	106215-02	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55196	108237-01	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55197	108237-02	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55198	108237-03	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55199	108237-04	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55200	104605-02	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55201	115980-01	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55202	116704-01	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55203	108151-01	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55206	104605-04	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55209	109164-01	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55187	106215-03	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55189	109174-01	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55204	104605-06	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55205	104605-07	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55207	104605-03	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55208	104605-01	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55210	115980-03	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55211	104605-05	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55212	117226-01	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55213	117226-02	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55214	106215-01	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55215	115976-02	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55216	115981-01	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55217	106950-01	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55218	115976-03	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-014	55219	106950-02	KYUS01	09-025	26-Oct-09	Bulk Liquid - Used Oil	27-Aug-09
DSSI-09-137	001754760JJK	09-03-015	55148	118352-01	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	001754760JJK	09-03-015	55149	123123-10	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	001754760JJK	09-03-015	55150	123123-07	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09

Certificate of Destruction
TS2009025

ShipmentNumber	WPSNumber	PackageNumber	ItemNumber	GeneratorCode	BurnCampaignNumber	DateBurnStop	WasteCode	DateReceived
DSSI-09-137	09-03-017	55146	108900-02	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	09-03-017	55147	108900-04	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	09-03-015	55148	118352-01	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	09-03-015	55149	123123-10	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	09-03-015	55150	123123-07	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	09-03-015	55151	123123-06	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	09-03-015	55152	123123-05	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	09-03-015	55153	123123-08	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	09-03-015	55154	123123-09	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	09-03-015	55155	118352-02	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	09-03-015	55156	118352-04	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	09-03-015	55157	118352-05	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	09-03-015	55158	123123-03	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	09-03-015	55159	118352-03	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	09-03-015	55160	123123-01	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	09-03-015	55161	123123-02	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	09-03-015	55162	123123-04	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	09-03-015	55163	123123-11	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	09-03-015	55164	118352-06	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09
DSSI-09-137	09-03-019	55170	123116-01	KYUS01	09-025	26-Oct-09	Bulk Liquid - PCBs	27-Aug-09

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	6	1-270-441-6211	00175476O JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Diversified Scientific Services, Inc. (DSSI)
657 Gallaher Rd, Kingston, TN 37763
Facility's Phone: 1-865-376-8747
U.S. EPA ID Number: TND982109142

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
RQ	1. Hazardous waste liquids, n.o.s., 9, NA3082, III, (D007,PCB, D033)	2	DM	310	K	D007	D030	D032
						D033	D036	D042
RQ	2. Environmentally hazardous substances, liquid, n.o.s., 9, UN3082, III, (PCB)	17	DM	2458	K			
X	3. Waste, Diesel fuel, 3, NA1993, III	5	DM	624	K	D001	D018	
RQ	4. Waste,Flammable liquids, n.o.s., 3, UN1993, III, (Isopropyl Alcohol, Acetone, PCB)	1	DF	16	K	D001	D004	D006
						D008	D018	F003

14. Special Handling Instructions and Additional Information
Truck: 756A Trailer: W47725 TID: 0559208 Accumulation Start Date: 05/05/08 PCB Start Date: 04/18/08
In the event of an RQ Release, call 1-800-424-8802 ERG # 171, 128 If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info Shipment ID: DSSI-09-137

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE — Signature: Carrie Maxie — Month 08 Day 26 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: OSCAR L. PALMER — Signature: Oscar L Palmer — Month 08 Day 26 Year 09
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

RECEIVED
AUG 27 2009
BY: [illegible]

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Elvis Turpin — Signature: Elvis Turpin — Month 8 Day 27 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number	22. Page	23. Manifest Tracking Number
	KY 8890008982	2	001754760JJK

24. Generator's Name
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053

25. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

26. Transporter ____ Company Name — U.S. EPA ID Number:

GENERATOR

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes		
X	Waste, Flammable liquids, n.o.s., 3, UN1993, III, (contains Acetone and Methyl Ethyl Ketone)	1	DM	9	K	D001	D018	D028
						D043	F001	F002
RQ	Hazardous waste liquids, n.o.s., 9, NA3082, III (D035, PCB, D043)	1	DM	2	K	D018	D019	D028
						D029	D040	D043
X	Waste, Flammable liquids, corrosive, n.o.s., 3(8), UN2924, III, (contains hydochloric acid, methanol)	1	DF	6	K	D001	D002	F003
						U154		
X	Waste, Trichloroethane, 6.1, UN2831, III	1	DM	1	K	U228		
RQ	Hazardous waste liquids, n.o.s., 9, NA3082, III (D007, D040, D043)	1	DM	55	K	D007	D018	D019
						D039	D040	D043
X	Hazardous waste liquids, n.o.s., 9, NA3082, III (F001, F002)	4	DF	59	K	F001	F002	U228
RQ	Hazardous waste liquids, n.o.s., 9, NA3082, III (D008, D033)	2	DM	210	K	D008	D030	D032
						D033	D036	D042
X	Hazardous waste liquids, n.o.s., 9, NA3082, III (D006, D007)	1	DM	8	K	D006	D007	D008
						D011		
RQ	Hazardous waste liquids, n.o.s., 9, NA 3082, III (D006, D008)	4	DM	484	K	D006	D008	D018
						F002		
	Non-Regulated, Used Oil	33	DM	4665	K			

32. Special Handling Instructions and Additional Information
Accumulation Start Date: 04/05/91 PCB Start Date: 04/03/08
In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
ERG # 128, 171, 132, 160 See Attachment for Additional Info Shipment ID: DSSI-09-137

TRANSPORTER

33. Transporter ____ Acknowledgment of Receipt of Materials
Printed/Typed Name: Oscar Palmer Signature: OSCAR L. PALMER Month: 08 Day: 06 Year: 09

34. Transporter ____ Acknowledgment of Receipt of Materials
Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Manifest Number: 001754760JJK

Shipment ID Number: DSSI-09-137

Shipment Date: 8/26/2009

UHWM Section	RFD	WASTE ID	Barcode Number	Description	Accumulation Start Date	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	Waste Profile #
Page 1 - 9b.1	108900	108900-02	PAD09C10172	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS.	3/25/09	3/25/09	7.40	446	202.30	1.25E+00	09-03-017
Page 1 - 9b.1	108900	108900-04	PAD09C10369	PCB VENT DUCT LIQUID DRAINED FROM TROUGHS.	3/25/09	3/25/09	7.40	349	158.30	9.36E-01	09-03-017
Page 1 - 9b.2	118352	118352-01	PAD08C06008	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.		8/1/08	7.40	96	43.54	1.72E-02	09-03-015
Page 1 - 9b.2	123123	123123-10	PAD08C05224	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.		6/18/08	7.40	318	144.24	1.13E-01	09-03-015
Page 1 - 9b.2	123123	123123-07	PAD09C10817	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.		6/18/08	7.40	453	205.48	1.36E-01	09-03-015
Page 1 - 9b.2	123123	123123-06	PAD08C05220	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.		6/18/08	7.40	370	167.83	1.35E-01	09-03-015
Page 1 - 9b.2	123123	123123-05	PAD08C05219	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.		6/18/08	7.40	374	169.64	1.37E-01	09-03-015
Page 1 - 9b.2	123123	123123-08	PAD08C05222	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.		6/18/08	7.40	378	171.46	1.38E-01	09-03-015
Page 1 - 9b.2	123123	123123-09	PAD08C05223	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.		6/18/08	7.40	386	175.09	1.42E-01	09-03-015
Page 1 - 9b.2	118352	118352-02	PAD09C10821	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.		8/1/08	7.40	483	219.08	1.49E-01	09-03-015
Page 1 - 9b.2	118352	118352-04	PAD08C06011	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.		8/1/08	7.40	398	180.53	1.47E-01	09-03-015
Page 1 - 9b.2	118352	118352-05	PAD08C06012	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.		8/1/08	7.40	402	182.34	1.49E-01	09-03-015
Page 1 - 9b.2	118352	118352-06	PAD09C10815	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.		8/1/08	7.40	487	220.90	1.51E-01	09-03-015
Page 1 - 9b.2	123123	123123-03	PAD08C05217	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.		6/25/08	7.40	404	183.25	1.50E-01	09-03-015
Page 1 - 9b.2	118352	118352-03	PAD08C06010	OIL FROM C-537-2 IMPEDER TANK ON MAIN TRANSFORMER # 74 (B686830). OIL INFORMATION ATTACHED, 280 GAL @ 84 PPM PCB.		8/1/08	7.40	406	184.16	1.51E-01	09-03-015

Manifest Number: 001754760JJK

Shipment ID Number: DSSI-09-137

Shipment Date: 8/26/2009

UHWM Section	RFD	WASTE ID	Barcode Number	Description	Accumulation Start Date	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	Waste Profile #
Page 1 - 9b.2	123123	123123-01	PAD08C05215	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.		6/25/08	7.40	414	187.79	1.54E-01	09-03-015
Page 1 - 9b.2	123123	123123-02	PAD08C05216	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.		6/25/08	7.40	410	185.97	1.52E-01	09-03-015
Page 1 - 9b.2	123123	123123-04	PAD08C05218	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER TANK.		6/25/08	7.40	410	185.97	1.52E-01	09-03-015
Page 1 - 9b.2	123123	123123-11	PAD08C05225	OIL FROM C-537 SWITCHYARD, TRANSFORMER 62 (B685827) IMPEDER TANK AND TRANSFORMER 63 (B685828) IMPEDER		6/25/08	7.40	422	191.41	1.57E-01	09-03-015
Page 1 - 9b.3	120273	120273-01	PAD09C10818	DIESEL FUEL 5 GAL	7/1/08		0.67	175	79.38	4.20E-02	09-03-018
Page 1 - 9b.3	109607	109607-01	PAD09C10441	WASTE DIESEL FUEL	4/2/09		7.40	454	205.93	1.56E-01	09-03-018
Page 1 - 9b.3	109607	109607-02	PAD09C10442	WASTE DIESEL FUEL	4/2/09		7.40	232	105.23	6.91E-02	09-03-018
Page 1 - 9b.3	109607	109607-03	PAD09C10444	WASTE DIESEL FUEL	4/2/09		7.40	412	186.88	1.40E-01	09-03-018
Page 1 - 9b.3	109607	109607-04	PAD09C10443	WASTE DIESEL FUEL	4/2/09		7.40	394	178.71	1.33E-01	09-03-018
Page 1 - 9b.4	123116	123116-01	PAD08C05356	LIQUID LAB WASTE. RESIDUAL OIL WITH NON-HALOGENATED SOLVENT CONTAMINATION (TOLUENE, ACETONE) AS WELL AS ISOPROPYL ALCOHOL.	5/5/08	4/18/08	0.67	36	17.24	4.04E-03	09-03-019
Page 2 - 27b.1	107427	107427-01	PAD09C10820	LAB PACK OF AQUEOUS SAMPLE RETURNS FROM TSCAL 05-01 AND TSCAL 05-02.	4/3/08	4/3/08	4.00	91	41.28	1.12E-02	09-03-016
Page 2 - 27b.2	109172	109172-01	PAD09C10819	LAB PACK OF OIL SAMPLE RETURNS FROM TSCAL 05-01 AND TSCAL 05-02.	4/3/08	4/3/08	4.00	77	34.93	1.01E-03	09-03-016
Page 2 - 27b.3	120268	120268-01	PAD08C06018	CALIBRATION SOLUTION 5 GAL CONTAINER (METHANOL & WATER SOLUTION).	5/30/08		0.67	16	7.26	3.18E-05	09-03-026
Page 2 - 27b.4	118332	118332-01	PAD09C10816	TCE. RECOVERED FROM TCE HEADER ON EAST WALL OF C-400, IN PREPARATION FOR D&D BY PRS. SMALL VOLUME (<1PT) IN A	10/30/08		0.67	63	28.58	6.06E-02	09-08-021
Page 2 - 27b.5	18278	4799	PAD94C02181	MACHINE COOLANT	4/5/91		7.40	178	80.74	4.61E-02	09-03-012
Page 2 - 27b.6	108284	108284-01	PAD06C00985	LIQUID SCINTILLATION COCKTAIL	3/22/05		0.67	16	7.26	2.03E-03	09-08-022
Page 2 - 27b.6	100357	100357-01	PAD01C02087	LIQUID SCINTILLATION COCKTAIL	5/11/00		0.67	40	18.14	5.78E-03	09-08-022
Page 2 - 27b.6	100368	100368-01	PAD01C02086	LIQUID SCINTILLATION COCKTAIL	5/22/00		0.67	40	18.14	5.78E-03	09-08-022

Manifest Number: 001754760JJK

Shipment ID Number: DSSI-09-137

Shipment Date: 8/26/2009

UHWM Section	RFD	WASTE ID	Barcode Number	Description	Accumulation Start Date	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	Waste Profile #
Page 2 - 27b.6	104832	104832-01	PAD05C06063	LIQUID SCINTILLATION COCKTAIL	2/2/05		0.67	45	20.41	6.56E-03	09-08-022
Page 2 - 27b.7	104427	104427-01	PAD01C02316	OILY LIQUID FROM C-745-M	9/17/01		7.40	336	152.41	1.44E-02	09-08-023
Page 2 - 27b.7	104427	104427-02	PAD01C02314	OILY LIQUID FROM C-745-M	9/17/01		7.40	240	108.86	9.46E-03	09-08-023
Page 2 - 27b.8	22257	5029	PAD94C01216	OILY SLUDGE/WATER	10/15/91		7.40	74	33.57	7.29E-03	09-08-023
Page 2 - 27b.9	108186	108186-01	PAD09C10474	APPROXIMATELY 4-5 55 GALLON DRUMS OF USED ENGINE OIL, HYDRAULIC OIL THAT'S BEEN COLLECTED DURING PREVENTATIVE MAINTENANCE ACTIVITIES PERFORMED ON THE EQUIPMENT LOCATED AT THE LANDFILL	4/21/09		7.40	222	100.70	8.62E-02	09-03-014
Page 2 - 27b.9	108146	108146-01	PAD09C10902	OIL DRAINED FROM TRANSFORMERS ON RFD 108230 PREVIOUSLY REFERENCED AS 108237-05. DUE TO CHARACTERIZATION AS RCRA, -05 NEEDED TO BE RFD'ED ON SEPERATE RFD	6/18/09		7.40	247	112.04	9.92E-02	09-03-014
Page 2 - 27b.9	108186	108186-02	PAD09C10473	APPROXIMATELY 4-5 55 GALLON DRUMS OF USED ENGINE OIL, HYDRAULIC OIL THAT'S BEEN COLLECTED DURING PREVENTATIVE	4/20/09		7.40	332	150.59	1.43E-01	09-03-014
Page 2 - 27b.9	109609	109609-01	PAD09C10451	WASTE MOTOR OIL	8/9/09		7.40	490	222.26	2.25E-01	09-03-014
Page 2 - 27b.10	106215	106215-03	PAD06C00140	USED EQUIPMENT OIL			7.40	198	89.81	7.37E-02	09-03-014
Page 2 - 27b.10	115978	115978-01	PAD06C00852	HYDRAULIC OIL DRAINED FROM SCRAP YARD EQUIPMENT.			7.40	224	101.60	8.72E-02	09-03-014
Page 2 - 27b.10	109174	109174-01	PAD08C05267	WASTE OIL COLLECTED FROM ROUTINE MAINTENANCE OF LANDFILL EQUIPMENT.			7.40	230	104.33	9.04E-02	09-03-014
Page 2 - 27b.10	115979	115979-01	PAD06C00855	MOTOR OILS DRAINED FROM SCRAP YARD EQUIPMENT.			7.40	260	117.93	1.06E-01	09-03-014
Page 2 - 27b.10	115977	115977-01	PAD06C00857	MOTOR OILS DRAINED FROM SCRAP YARD EQUIPMENT.			7.40	258	117.03	1.05E-01	09-03-014
Page 2 - 27b.10	115976	115976-01	PAD06C00854	MOTOR OILS DRAINED FROM SCRAP YARD PROJECT EQUIPMENT.			7.40	268	121.56	1.10E-01	09-03-014
Page 2 - 27b.10	115980	115980-02	PAD06C00860	MOTOR OILS DRAINED FROM SCRAP YARD EQUIPMENT.			7.40	276	125.19	1.14E-01	09-03-014
Page 2 - 27b.10	115977	115977-02	PAD06C00853	MOTOR OILS DRAINED FROM SCRAP YARD EQUIPMENT.			7.40	280	127.01	1.16E-01	09-03-014
Page 2 - 27b.10	106215	106215-02	PAD04C04947	USED EQUIPMENT OIL			7.40	302	136.98	1.28E-01	09-03-014
Page 2 - 27b.10	108237	108237-01	PAD09C10584	OIL DRAINED FROM TRANSFORMERS ON RFD 108230			7.40	477	216.36	2.19E-01	09-03-014
Page 2 - 27b.10	108237	108237-02	PAD09C10585	OIL DRAINED FROM TRANSFORMERS ON RFD 108230			7.40	449	203.66	2.04E-01	09-03-014
Page 2 - 27b.10	108237	108237-03	PAD09C10586	OIL DRAINED FROM TRANSFORMERS ON RFD 108230			7.40	461	209.10	2.10E-01	09-03-014
Page 2 - 27b.10	108237	108237-04	PAD09C10587	OIL DRAINED FROM TRANSFORMERS ON RFD 108230			7.40	456	206.84	2.08E-01	09-03-014

PCB & Additional Information Attachment, Page 6 of 6

Manifest Number: 001754760JJK

Shipment ID Number: DSSI-09-137

Shipment Date: 8/26/2009

UHWM Section	RFD	WASTE ID	Barcode Number	Description	Accumulation Start Date	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	Waste Profile #
Page 2 - 27b.10	104605	104605-02	PAD01C03650	HYDRAULIC OIL FROM SHREDDER FROM DRUM MTN. MSDS IS ATTACHED			7.40	302	136.98	1.28E-01	09-03-014
Page 2 - 27b.10	115980	115980-01	PAD06C00861	MOTOR OILS DRAINED FROM SCRAP YARD EQUIPMENT.			7.40	334	151.50	1.44E-01	09-03-014
Page 2 - 27b.10	116704	116704-01	PAD08C06107	55-GALLON COLLECTION DRUM OF COMPRESSOR OIL FROM AC UNITS. (RCRA/MIX)			7.40	334	151.50	1.44E-01	09-03-014
Page 2 - 27b.10	108151	108151-01	PAD08C05320	HYDRAULIC OIL FROM EQUIPMENT MAINTENANCE.			7.40	338	153.31	1.46E-01	09-03-014
Page 2 - 27b.10	104605	104605-06	PAD01C03649	HYDRAULIC OIL FROM SHREDDER FROM DRUM MTN. MSDS IS ATTACHED			7.40	348	157.85	1.52E-01	09-03-014
Page 2 - 27b.10	104605	104605-07	PAD01C03648	HYDRAULIC OIL FROM SHREDDER FROM DRUM MTN. MSDS IS ATTACHED			7.40	393	178.26	1.75E-01	09-03-014
Page 2 - 27b.10	104605	104605-04	PAD01C03646	HYDRAULIC OIL FROM SHREDDER FROM DRUM MTN. MSDS IS ATTACHED			7.40	416	188.69	1.87E-01	09-03-014
Page 2 - 27b.10	104605	104605-03	PAD01C03610	HYDRAULIC OIL FROM SHREDDER FROM DRUM MTN. MSDS IS ATTACHED			7.40	422	191.41	1.90E-01	09-03-014
Page 2 - 27b.10	104605	104605-01	PAD01C03651	HYDRAULIC OIL FROM SHREDDER FROM DRUM MTN. MSDS IS ATTACHED			7.40	424	192.32	1.91E-01	09-03-014
Page 2 - 27b.10	109164	109164-01	PAD08C05067	USED OIL FROM EQUIPMENT MAINTENANCE			7.40	428	194.14	1.93E-01	09-03-014
Page 2 - 27b.10	115980	115980-03	PAD06C00859	MOTOR OILS DRAINED FROM SCRAP YARD EQUIPMENT.			7.40	432	195.95	1.95E-01	09-03-014
Page 2 - 27b.10	104605	104605-05	PAD01C03647	HYDRAULIC OIL FROM SHREDDER FROM DRUM MTN. MSDS IS ATTACHED			7.40	446	202.30	2.03E-01	09-03-014
Page 2 - 27b.10	117226	117226-01	PAD09C10731	USED WASTE OIL FOR RECYCLE "USED OIL" (CONTRACT CLOSURE/DMSA HOUSEKEEPING)			7.40	527	239.04	2.03E-01	09-03-014
Page 2 - 27b.10	117226	117226-02	PAD09C10520	USED WASTE OIL FOR RECYCLE "USED OIL" (CONTRACT CLOSURE/DMSA HOUSEKEEPING)			7.40	447	202.75	2.03E-01	09-03-014
Page 2 - 27b.10	106215	106215-01	PAD04C04028	USED EQUIPMENT OIL			7.40	452	205.02	2.06E-01	09-03-014
Page 2 - 27b.10	115976	115976-02	PAD06C00851	MOTOR OILS DRAINED FROM SCRAP YARD PROJECT EQUIPMENT.			7.40	450	204.12	2.05E-01	09-03-014
Page 2 - 27b.10	115981	115981-01	PAD06C00858	HYDRAULIC OIL DRAINED FROM SCRAP YARD EQUIPMENT.			7.40	450	204.12	2.05E-01	09-03-014
Page 2 - 27b.10	106950	106950-01	PAD07C03057	HYDRAULIC OIL FROM C-746-D YARD - DRAINED FROM EQUIPMENT THAT WAS USED IN AREA.			7.40	172	78.02	6.02E-02	09-03-014
Page 2 - 27b.10	115976	115976-03	PAD06C00856	MOTOR OILS DRAINED FROM SCRAP YARD PROJECT EQUIPMENT.			7.40	474	215.00	2.17E-01	09-03-014
Page 2 - 27b.10	106950	106950-02	PAD07C03062	HYDRAULIC OIL FROM C-746-D YARD - DRAINED FROM EQUIPMENT THAT WAS USED IN AREA.			7.40	485	219.99	2.23E-01	09-03-014
		Totals	**74**				**486.96**	**23831**	**10809.50**	**11.12**	

ENERGYSOLUTIONS

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT982598898

DOE, Paducah, Paducah

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (Cu/Ft)	Process	Disposal Location
9306-02-0021	54804	10/14/2009	96.0	Landfill	Mixed Waste

The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

10/22/09
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754804 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN 2913, Waste Radioactive material, surface contaminated objects (SCO-II), 7, RQ (PCB, D009), Np-237, Tc-99, U-234, Solid/Oxide, 926 MBq, Fissile Excepted	1	CM	867	K	D006 D008 D009 D011 F001 F002
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 360 Trailer: 4843 TID: See attachment Accumulation Date: 02/12/90 PCB Start Date: 04/06/00
ERG # 162 In the event of an Reportable Release, call 1-800-424-8802 If undeliverable, return to generator
Exclusive Use Shipment, See PCB Attachment for Additional Info Shipment ID: 9306-02-0021

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Chad Holloway on behalf of US DOE — Signature: Chad Holloway — Month: 10 Day: 02 Year: 09

INT'L

16. International Shipments ☒ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Herbert M. Bash — Signature: [signature] — Month: 10 Day: 02 Year: 09

Transporter 2 Printed/Typed Name — Signature — Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

RECEIVED
OCT 0 8 2009
BY:

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. Gardner — Signature: [signature] — Month: 10 Day: 15 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Additional Information Attachment, Page 2 of 2

Manifest ID Number: 001754804 JJK

Shipment Date: 10/2/2009

UHWM Section	Container / WASTE ID	Description	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq	PCB Date to Storage	Accumulation Date	TID #
9b.1.	109659-01	1 ST-90 (IP-2) METAL BOX CONTAINING MISC. RCRA/PCB METAL MACRO DEBRIS	90	2712	1230.14	926.244	04/06/00	02/12/90	0032103 / 0032104
Totals	1		**90.00**	**2712.00**	**1230.14**	**926.24**			

BECHTEL JACOBS
Bechtel Jacobs Company LLC

June 9, 2009

Paducah Remediation Services
761 Veterans Avenue
Kevil, Kentucky 42053

Attention: Greg Shaia

WM-2009-0081

Subject: Certificate of Disposal 1940

Enclosed you will find a Certificate of Disposal for waste destroyed at the TSCA Incinerator. The enclosed Certificate of Disposal is listed below. Please sign, date and return the bottom portion of this letter upon receipt.

If you have any questions, please do not hesitate to call me at 865-241-9140.

Sincerely,

Jessica J. Calloway
ETTP TSCA Incinerator

Enclosures: COD# 1940 – DAC 203893 (Acceptance DAC 203892)

Cc: K. Seaton w/1
File – Incinerator Waste Management Group – RC
File–EMEF DMC–RC

I have received the following Certificate of Disposal for waste destroyed at the TSCA Incinerator.

COD# 1940 – DAC 203893 (Acceptance DAC 203892)

Signature

6/16/09
Date Received

CERTIFICATE OF DISPOSAL

COD# 1940

DISPOSAL FACILITY NAME: US DOE K-25 Site (ETTP)
P.O. Box 4699
Oak Ridge, TN 37831

EPA ID#: TN0890090004

shipped 6-15-04
18 items

Reference Manifest Number(s): 00693-11C

Generator Facility: Paducah Gaseous Diffusion Plant
P.O. Box 1410
Paducah, Kentucky

I certify that the following identified RCRA hazardous solid waste, excluding the drums, was properly treated in an incinerator compliant with and for which such treatment is applicable under 40 CFR 268, Subpart D and the following identified PCB solid waste, excluding the drums, was properly disposed in an incinerator which complies with 40 CFR 761.70 on 06/03/2009.

Request for Disposal	Container Numbers
203893	Shipment #0001 Bar Code: KS203893001

Acceptance Dac 203892

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as a company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

TSCA Incinerator Manager

06/09/2009
Date Issued

from 2004 Annual Doc of PCBs

Please print or type. RECORD COPY Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 2	Information in the shaded areas is not required by Federal law.
	K Y 8 8 9 0 0 0 8 9 8 2	0 0 6 9 3		

3. Generator's Name and Mailing Address
US DOE c/o WESKEM, LLC
5600 Hobbs Rd.
Paducah, KY 42001
4. Generator's Phone (270) 441-5339

A. State Manifest Document Number: NA
B. State Generator's ID: Same

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID	SAME
A.J. Metler DBA Speciality Transport	T N R 0 0 0 0 1 1 2 4 7	D. Transporter's Phone	800-215-7762
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID	
		F. Transporter's Phone	

9. Designated Facility Name and Site Address
ETTP TSCA INCINERATOR
BLAIR ROAD
OAK RIDGE, TN 37831
10. US EPA ID Number: T N 0 8 9 0 0 9 0 0 0 4
G. State Facility's ID: SAME
H. Facility's Phone: (865) 241-2100

	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	Hazardous Waste, Solid, N.O.S. (2,4-Dinitrophenol, Trichloroethylene), 9, NA 3077, III	X	0 0 5	D M	0 0 4 9 3	K	F001, D006, D007, D011, D018, D040, D008, F002, F005
b.	Hazardous Waste, Solid, N.O.S. (Tetrachloroethene, Trichloroethene), 9, NA 3077, III	X	0 0 4	D M	0 0 2 9 9	K	F001, D040, F003, F005, D008
c.	Waste Radioactive Material, LSA, 7, UN 2912 Am-241, Am-243, Ac-228, Cd-109, Co-56, Co-57, Cs-137, Eu-155, Nb-95, Np-237, Pb-212, Pu-238, Pu-239, Pu-242, Sr-90,	X	0 1 8	D M	0 3 8 2 0	K	D008, D001, D040, F001
d.	Tc-99, Th-228, Th-229, Th-230, Th-232, Th-234, Tl-208, U232, U-234, U-235, U-238, Solid Oxide, 675.8 MBq, Fissile excepted, LSA II, exclusive use shipment						

J. Additional Descriptions for Materials Listed Above
11a) RFD K203888
11b) RFD K203889
11c) RFD K203892
See PCB attachment for individual activities

received 6-28-04 SW

K. Handling Codes for Wastes Listed Above
1040 T007

15. Special Handling Instructions and Additional Information
Emergency Response Phone# 1-800-424-9300 (CHEMTREC) Dike and Contain Spills.
ERG# 171, 162 If material is undeliverable: Return to Generator. Certificate of Treatment/Disposal required.
Trailer # 7217 TSCA Soft Solids Profile # 2, 3, 5
Carrier Bill to: WESKEM, LLC, 105 Mitchell Road, Suite 100, Oak Ridge, TN 37830 Carrier PO# PD-02622

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Scott West On Behalf of US DOE		0 6	2 5	0 4

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Joe Monger	Joe Monger	0 6	2 5	0 4

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Bryan Schoch	Bryan Schoch	0 6	2 6	0 4

EPA Form 8700-22 ORIGINAL - RETURN TO GENERATOR

UNCLASSIFIED

D-94 7-14-04

PCB Attachment

Waste Item ID	Barcode	Final Profile	EPAList	RCRAAD	PCBDTS	GrossWeight	NetVolume
HC-1771	PAD03C00187	2	F001	3/17/1992	3/9/1992	227	11.4
6992	**PAD03C00181**	**2**		**11/19/1993**	**5/3/1994**	**228**	**11.4**
6991	PAD03C00183	2	D006 D007 D011 D018 D040	11/19/1993	5/3/1994	235	11.4
6553	PAD99C00238	2	F001	4/19/1993	4/13/1993	197	11.4
108662-01	PAD03C00157	2	D006 D007 D008 F001 F002 F005	8/26/1986	8/26/1986	197	11.4
108653-01	PAD03C00180	2	F001 F002 F005	11/12/2002	11/12/2002	230	11.4
						1314	68.4
HC-1769	PAD03C00234	3	F001	3/17/1992	3/17/1992	269	11.4
108656-01	PAD03C00254	3	F001	1/13/1991	1/13/1991	176	11.4
108654-01	PAD03C00210	3	D040 F001 F003 F005	11/12/2002	11/12/2002	131	11.4
103886-01	PAD03C00252	3	D008	9/19/2000	6/7/1990	84	7.4
						660	41.6
	Bolded is PCB only and listed on manifest separately.						

11.a

11.b

9595

PCB Attachment

Waste Item ID	Barcode	Final Profile	EPAList	RCRAAD	PCBDTS	GrossWeig	NetVolume	MBq
6980A	PAD03C00275	5	D008	11/19/1993	5/3/1994	141	11.4	5.878E+00
106645-01	PAD03C01335	5	D001 D008 D040 F001	6/19/2003	6/19/2003	75	4	3.364E+00
53803-01	PAD03C00287	5	F001	1/14/1998	1/19/1998	518	11.4	4.219E+01
53803-02	PAD02C17363	5	F001	1/19/1998	1/19/1998	557	11.4	4.595E+01
53803-03	PAD03C00286	5	F001	1/19/1998	1/19/1998	654	11.4	5.529E+01
53803-04	PAD01C02806	5	F001	1/19/1998	1/19/1998	713	11.4	6.097E+01
53803-05	PAD03C00266	5	F001	1/19/1998	1/19/1998	483	11.4	3.820E+01
103290-01	PAD00C00508	5	F001	8/15/1989	3/20/1991	180	11.4	9.632E+00
6953A	PAD03C00640	5	D040	10/12/1993	5/3/1994	143	11.4	6.068E+00
HC-0891	PAD03C00283	5	D008 F001	7/30/1990	7/30/1990	644	11.4	5.433E+01
7571	PAD98C01544	5	D040	6/27/1995	6/27/1995	529	11.4	4.325E+01
7572	PAD98C01542	5	D040	6/27/1995	6/27/1995	533	11.4	4.364E+01
7573	PAD98C01551	5	D040	6/27/1995	6/27/1995	537	11.4	4.402E+01
7575	PAD98C01548	5	D040	6/27/1995	6/27/1995	537	11.4	4.402E+01
7577	PAD98C01545	5	D040	6/27/1995	6/27/1995	517	11.4	4.209E+01
7578	PAD98C01547	5	D040	6/27/1995	6/27/1995	500	11.4	4.046E+01
HC-0889	PAD03C00285	5	D008 F001	7/30/1990	7/30/1990	601	11.4	5.019E+01
6613	PAD98C00344	5	F001	5/14/1993	5/14/1993	560	11.4	4.624E+01
		18				8422	197.8	6.758E+02
						3820Kg		
	All are Radioactive LSA, no RQ's							

11.c

deconsludge C-750-c
manganic sludge, 3 samples
C-746-R Sludge + Scale

filtercake samples
C-750-C sludge
C-750-C wash pit sludge
C-400 Waste Disposal Pit Sludge

C-750-C sludge
C-710 Axial Intercooler sludge

Materials & Energy Corporation
A Subsidiary of Perma-Fix Environmental Services

CERTIFICATE OF TREATMENT

M&EC EPA ID Number: TNR000005397
Certificate No: 2009080

To: US DOE BJC Paducah, EPA ID No. KY8890008982

WPS Number	Notes	EPA Codes
P5-11-435	BS0088 PCB Containers	F001 F002 F005
P5-11-436	BS0089 Sample Residuals	F001 F005

Related Incoming Container(s):

Incoming Shipment No.	Haz Manifest	WPS No.	M&EC Barcode	Customer Barcode	Container Type	GWT (lbs)
ETTP-06-053	00793	P5-11-435	48293	57796-01	B-12	999
ETTP-06-053	00793	P5-11-436	48290	55542-01	55 gal Drum Closed	65

(GWT) kg
453
29
482

M&EC certifies that the above-mentioned waste has been treated.

Pamela Holt 3/4/09

M&EC Logistics Manager/Date

2010 Highway 58, Suite 1020 • ETTP • Oak Ridge, TN 37830 • Phone (865) 574-0149 • Fax (865) 574-0200

RT 06'

Please print or type.

Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: K Y 8 8 9 0 0 0 8 9 8 2 | Manifest Document No.: 0 0 7 9 3

2. Page 1 of 5

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
US DOE c/o Weskem, LLC
5600 Hobbs Road
Paducah, Ky 42001

4. Generator's Phone (270) 441-5308

A. State Manifest Document Number: NA

B. State Generator's ID: Same

5. Transporter 1 Company Name: TAG Transport Inc.

6. US EPA ID Number: T N R 0 0 0 0 0 3 1 1 1

C. State Transporter's ID: Same

D. Transporter's Phone: 1-800-325-1336

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
PERMA-FIX/Materials and Energy Corporation
2010 Hwy 58 Suite 1020
Oak Ridge, TN 37830

10. US EPA ID Number: T N R 0 0 0 0 0 5 3 9 7

G. State Facility's ID: Same

H. Facility's Phone: (800) 574-0149 Kim Hurd

	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	Waste Radioactive material, low specific activity (LSA-I), 7, UN2912, Tc-99, U-Dep, Solid/Oxide, 306.8 kBq, Fissile Excepted Container No 100907-01 Profile P5-11-440	X		0 0 1	D M	0 0 0 4 3	K	D007, D008
b.	Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, Tc-99, Th-230, Th-234, U-Dep, Solid/Oxide, 2.367 GBq, Fissile Excepted Container No 14683-01	X		0 0 1	D M	0 0 1 9 2	K	D007, D011
c.	Profile P5-11-440							
d.	Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, (RQ D004), Tc-99, U-Dep, Solid/Oxide, 2.08 GBq, Non Fissile Cont No 14687-03 Profile P5-11-440	RQ		0 0 1	D M	0 0 4 2 4	K	D004, D007, D010

J. Additional Descriptions for Materials Listed Above
EXCLUSIVE USE SHIPMENT See attached for individual package activities Items 11a), 11b) and 11d) - ERG#162

Shipment Authorization Number ETTP-06-053

K. Handling Codes for Wastes Listed Above
Items 11a), 11b) and 11d) - M111/H111

15. Special Handling Instructions and Additional Information
Emergency Response Phone # 1-800-424-9300 (CHEMTREC) Dike and Contain Spills. In the event of an RQ release, contact the National Response Center 1-800-424-8802. Alternate TSDF: Return to Generator.

Certificate of Treatment/Disposal required.
Seal No.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: Greg McGowan On behalf of US DOE | Signature | Month Day Year: 0 3 2 2 0 6

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: ~~Sandra Blakely~~ Bryan Cofer | Signature | Month Day Year: 0 3 2 2 0 6

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

TRANSPORTER

19. Discrepancy Indication Space
4155 lb difference in Wt. Between Draft 541 and ~~receipt~~ Final

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Terry Armes | Signature | Month Day Year: 0 3 2 3 0 6

FACILITY

EPA Form 8700-22 ORIGINAL - RETURN TO GENERATOR

RECEIVED
APR 07 2006
BY:

Please print or type.

Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST *(Continuation Sheet)*	21. Generator's US EPA ID No.	Manifest Document No.	22. Page	Information in the shaded areas is not required by Federal law.
	KY8890008982	00793	2	

23. Generator's Name
US DOE c/o Weskem, LLC
5600 Hobbs Road
Paducah, Ky 42001

L. State Manifest Document Number: NA

M. State Generator's ID: Same

24. Transporter ____ Company Name | 25. US EPA ID Number | N. State Transporter's ID | O. Transporter's Phone

26. Transporter ____ Company Name | 27. US EPA ID Number | P. State Transporter's ID | Q. Transporter's Phone

	28. US DOT Description *(including Proper Shipping Name, Hazard Class, and ID Number)*	HM		29. Containers No.	29. Containers Type	30. Total Quantity	31. Unit Wt/Vol	R. Waste No.
a.	Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, Tc-99, U-Dep, Solid/Oxide, 2.504 GBq, Non Fissile Container No 108834-01 Profile P5-11-439	X		1	CM	1798	K	D007
b.	Hazardous Waste Solid, N.O.S., (D007, D008), 9, NA3077, PG III (RQ D007, D008) Container No. 3828A Profile P6-01-014 ERG# 171	RQ		1	DM	108	K	D007 D008
c.	Waste Radioactive material, low specific activity (LSA-I), 7, UN2912, (RQ D008), Tc-99, Th-234, U-234, U-238, Solid/Oxide, 18.11 MBq, Fissile Excepted Cont No 4230	RQ		1	DF	265	K	D008
d.	Profile P6-01-014							
e.	Hazardous Waste Solid, N.O.S., (D008), 9, NA3077, PG III (RQ D008) Container No. 4232 Profile P6-01-014 ERG# 171	RQ		1	DF	244	K	D008
f.	Waste Radioactive material, low specific activity (LSA-II), 7, UN3321 Th-232, U-234, U-238 Solid/Oxide, 8.33 MBq, Fissile Excepted (RQ D006, D008) Con No 46747-01	RQ		1	DM	37	K	D006, D008
g.	Profile P5-11-440							
h.	Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, Pa-234m, Tc-99, U-238, Solid/Oxide, 31.51 MBq, Fissile Excepted Container No 47621-01 Profile P5-11-434	X		1	DM	39	K	D004, F007
i.	Waste Radioactive material, low specific activity (LSA-I), 7, UN2912, Tc-99, Solid/Oxide, 46.42 MBq, Fissile Excepted Cont No 51424-01 Profile P5-11-440	X		1	DM	77	K	D007, D008

GENERATOR

S. Additional Descriptions for Materials Listed Above
EXCLUSIVE USE SHIPMENT See attached for individual package activities
Items 28a), 28c), 28f), 28h) and 28i) - ERG#162
Items 28b) and 28e) - ERG#171

T. Handling Codes for Wastes Listed Above
Items 28a), 28b), 28c), 28e), 28f), 28h) and 28i) - M111/H111

32. Special Handling Instructions and Additional Information
Emergency Response Phone Number 1-800-424-9300 (CHEMTREC). In the event of an RQ release, contact the National Response Center at 1-800-424-8802. If undeliverable, return to generator.

Certificate of Treatment/Disposal required
Seal No.

TRANSPORTER

33. Transporter ____ Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date (Month Day Year)

34. Transporter ____ Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date (Month Day Year)

FACILITY

35. Discrepancy Indication Space

EPA Form 8700-22A

ORIGINAL - RETURN TO GENERATOR

Please print or type.

Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST *(Continuation Sheet)*

21. Generator's US EPA ID No.: KY8890008982

Manifest Document No.: 00793

22. Page: 3

Information in the shaded areas is not required by Federal law.

23. Generator's Name
US DOE c/o Weskem, LLC
5600 Hobbs Road
Paducah, Ky 42001

L. State Manifest Document Number: NA

M. State Generator's ID: Same

24. Transporter ____ Company Name

25. US EPA ID Number

N. State Transporter's ID

O. Transporter's Phone

26. Transporter ____ Company Name

27. US EPA ID Number

P. State Transporter's ID

Q. Transporter's Phone

GENERATOR

	28. US DOT Description *(including Proper Shipping Name, Hazard Class, and ID Number)*	HM	29. Containers No.	29. Containers Type	30. Total Quantity	31. Unit Wt/Vol	R. Waste No.
a.	Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, Th-234, U-Dep, Solid/Oxide, 22.58 MBq, Fissile Excepted Container No 53204-01 Profile P5-11-440	X	1	DM	5	K	D004, D006, D007, D008, D010
b.	Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, Tc-99, Th-234, U-Dep, Solid/Oxide, 20.38 MBq, Fissile Excepted Cont No 53204-02 Profile P5-11-440	X	1	DM	5	K	D004, D006, D007, D008, D010
c.	Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, Pa-234m, Th-230, Th-234, U-234, U-238, Solid/Oxide, 4.15 MBq, Fissile Excepted Container No	X	1	DF	30	K	F001, F005
d.	55542-01 Profile P5-11-436						
e.	Waste Radioactive material, low specific activity (LSA-I), 7, UN2912, (RQ F001, F002, F005), Tc-99, Th-230, U-Dep, Solid/Oxide, 24.504 MBq, Fissile Excepted Container Nos	RQ	2	CM	2812	K	F001, F002, F005
f.	57481-01, 57482-01Profile P5-11-435						
g.	Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, Tc-99, Th-234, U-Dep, Solid/Oxide, 1.46 GBq, Fissile Excepted Container Nos 61906-01, 7012	X	2	DM	161	K	D008
h.	Profile P5-11-440						
i.	Hazardous Waste Solid, N.O.S., (D007), 9, NA3077, PG III (RQ D007) Container No. 7127 Profile P5-11-440	RQ	1	DM	60	K	D007

S. Additional Descriptions for Materials Listed Above
EXCLUSIVE USE SHIPMENT See attached for individual package activities
Items 28a), 28b), 28c), 28e) and 28g) - ERG#162
Item 28i) - ERG#171

T. Handling Codes for Wastes Listed Above
Items 28a), 28b), 28g) and 28i) - M111/H111;
Items 28c) and 28e) - M043/H040

32. Special Handling Instructions and Additional Information
Emergency Response Phone Number 1-800-424-9300 (CHEMTREC). In the event of an RQ release, contact the National Response Center at 1-800-424-8802. If undeliverable, return to generator.

Certificate of Treatment/Disposal required

TRANSPORTER

33. Transporter ____ Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date (Month Day Year)

34. Transporter ____ Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date (Month Day Year)

FACILITY

35. Discrepancy Indication Space

EPA Form 8700-22A

ORIGINAL - RETURN TO GENERATOR

Please print or type.

Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST *(Continuation Sheet)*

21. Generator's US EPA ID No.: KY8890008982

Manifest Document No.: 00793

22. Page: 4

Information in the shaded areas is not required by Federal law.

23. Generator's Name
US DOE c/o Weskem, LLC
5600 Hobbs Road
Paducah, Ky 42001

L. State Manifest Document Number: NA

M. State Generator's ID: Same

24. Transporter ____ Company Name

25. US EPA ID Number

N. State Transporter's ID

O. Transporter's Phone

26. Transporter ____ Company Name

27. US EPA ID Number

P. State Transporter's ID

Q. Transporter's Phone

	28. US DOT Description *(including Proper Shipping Name, Hazard Class, and ID Number)*	HM	29. Containers No.	29. Containers Type	30. Total Quantity	31. Unit Wt/Vol	R. Waste No.
a.	Waste, Flammable Liquid, N.O.S., (Toluene, Xylene), 3, UN1993, PG III (RQ D001, D002, D006, D007) Container No. HC-0082 Profile P6-01-015	RQ	1	DF	101	K	D001, D002, D006, D007
b.	Waste Radioactive material, low specific activity (LSA-I), 7, UN2912, Tc-99, Th-234, U-234, U-238, Solid/Oxide, 31.91 MBq, Fissile Excepted Container No HC-1361	X	1	DM	299	K	D006, D008
c.	Profile P5-11-440						
d.	Hazardous Waste Solid, N.O.S., (D025), 9, NA3077, PG III Container No. HC-1896 Profile P6-01-016	X	1	DM	33	K	D025
e.	Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, Tc-99, Th-230, Th-234, U-Dep, Solid/Oxide, 9.635 GBq, Fissile Excepted Container Nos 14683-02,	RQ	3	DM	759	K	D007, D011
f.	14683-03 and 14683-04 Profile P5-11-440						
g.	Hazardous Waste Solid, N.O.S., (F001, F002), 9, NA3077, PG III (RQ F001, F002) Container No. 57796-01 Profile P5-11-435	RQ	1	CM	454	K	F001, F002, F005
h.							
i.							

GENERATOR

S. Additional Descriptions for Materials Listed Above
EXCLUSIVE USE SHIPMENT See attached for individual package activities
Item 28a) - ERG#128; Items 28b) and 28e) - ERG#162; Items 28d) and 28g) - ERG#171

T. Handling Codes for Wastes Listed Above
Items 28a) and 28b) - M111/H111;
Items 28d) and 28g) - M043/H040;
Item 28e) - M111/H111;

32. Special Handling Instructions and Additional Information
Emergency Response Phone Number 1-800-424-9300 (CHEMTREC). In the event of an RQ release, contact the National Response Center at 1-800-424-8802. If undeliverable, return to generator.

Certificate of Treatment/Disposal required

TRANSPORTER

33. Transporter ____ Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date (Month Day Year)

34. Transporter ____ Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date (Month Day Year)

FACILITY

35. Discrepancy Indication Space

EPA Form 8700-22A

ORIGINAL - RETURN TO GENERATOR

PGDP MANIFEST NUMBER 00793
PCB ATTACHMENT pg 5 of 5

SHIPMENT DATE March 22, 2006

RFD	WID	Vol M3	Wt Kg	DTS	EPACodes	Type
100907 ✓	100907-01	0.11	✓ 42.2	7/8/1998	D007 D008	Paint Chips
14683	14683-01	0.32	191.4	NA	D007 D011	
14683	14683-02	0.42	282.6	NA	D007 D011	
14683	14683-03	0.32	223.2	NA	D007 D011	
14683	14683-04	0.42	252.7	NA	D007 D011	
14687 ✓	14687-03	0.42	✓ 423.2	5/3/1996	D004 D007 D010	Vacuum Dust
108834	108834-01	2.72	1797.1	NA	D007	
7643	3828A	0.32	108.0	NA	D007 D008	
90011	4230	0.32	264.9	NA	D008	
90008	4232	0.32	244.0	NA	D008	
46747	46747-01	0.21	36.3	NA	D006 D008	
47621 ✓	47621-01	0.11	✓ 38.6	11/20/1997	D004 F007	Lab pack liquid samples
51424	51424-01	0.21	76.2	NA	D007 D008	
53204 ✓	53204-01	0.02	✓ 5.0	6/11/1996	D004 D006 D007 D008 D010	Vacuum Dust
53204 ✓	53204-02	0.02	✓ 4.5	6/11/1996	D004 D006 D007 D008 D010	Vacuum Dust
55542 ✓	55542-01	0.21	✓ 29.5	8/25/1997	F001 F005	Sample residuals
57481 ✓	57481-01	2.72	✓ 1574.9	6/25/1996	F001 F002 F005	Equipment debris
57482 ✓	57482-01	2.72	✓ 1236.9	7/2/1996	F001 F002 F005	Lab equipment
57796 ✓	57796-01	2.72	✓ 453.1	9/5/1996	F001 F002 F005	Lab equipment
61906 ✓	61906-01	0.21	✓ 135.2	11/10/1992	D008	Sample residuals
34905 ✓	7012	0.11	✓ 25.4	5/22/1988	D008	Sample residuals
39206	7127	0.21	59.4	NA	D007	
1021	HC-0082	0.32	100.2	NA	D001 D002 D006 D007	
14906	HC-1361	0.21	298.5	NA	D006 D008	
22203	HC-1896	0.11	32.7	NA	D025	
11 Containers		9.37	3969			

Previously Unreported Certificates of Disposal and Associated Manifests

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CERTIFICATE OF DISPOSAL

3 mi. S. Ext. 49, I-80 Clive, Utah
84029 EPA ID: UT982598898

DOE, Paducah, Paducah

This Certificate acknowledges that the following manifested shipments:

Shipment	Manifest	Date(s) of Disposal	Cu/Ft	Process	Disposal Location
9052-01-0002	54501	5/1/2007	96	Landfill	Mixed Waste

RECEIVED
FEB 16 2008
BY:

Representing 96 Cubic feet of waste disposed of at EnergySolutions' above listed Disposal Facility landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse C. Garcia
Mixed Waste Site Manager

5/30/07
Date

423West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type (Form designed for use on elite (12-pitch) typewriter) — Form Approved OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: KY8890008982
2. Page 1 of
3. Emergency Response Phone: (270) 441-6211
4. Manifest Tracking Number: 001754501 JJK

5. Generator's Name and Mailing Address:
U.S. DOE c/o ENERGY SOLUTIONS, LLC
5600 Hobbs Road, MS7431
Paducah, KY 42002
Generator's Phone: (270) 441-5095

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: HITTMAN TRANSPORTATION SERVICES — U.S. EPA ID Number: D987783065

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
ENERGY SOLUTIONS, LLC
CLIVE DISPOSAL SITE (TREATMENT FACILITY)
INTERSTATE 80, EXIT 49
CLIVE, UT 84029
Facility's Phone: (435) 884-0155
U.S. EPA ID Number: UTD982598898

9a HM	9b U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10 Containers No	10 Containers Type	11 Total Quantity	12 Unit Wt./Vol	13 Waste Codes
RQ	1 WASTE RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA I) 7, UN2912, (RAD008) (D009, D008), K40, Np237, Pu238, Pu239, Tc99, Th230, U234, U235, U236, U238, SOLID/OXIDE, 491 MBq FISSILE EXCEPTED CONT. SYCA-001	1	CM	2005	K	D008 D009 D011 D005 D006 D007
RQ	2 WASTE RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY, (LSA I), 7, UN2912, (RQ PCB) (D007, PCB), K40, Np237, Pu238, Pu239, Tc99, Th230, U234, U235, U236, U238, SOLID, 258 MBq FISSILE EXCEPTED CONTAINERS: 115988-01 & 115988-02	2	CM	1551	K	D007
	3					
	4					

14. Special Handling Instructions and Additional Information: IN THE EVENT OF AN RQ RELEASE CONTACT THE NATIONAL RESPONSE CENTER 1-800-424-8802.
SEE PCB ATTACHMENT PAGE
ALTERNATE TSDF: RETURN TO GENERATOR — 9052-01-M6007
EXCLUSIVE USE SHIPMENT ERG# 162 HANDLING CODE: H112/M112 MACROENCAPSULATION

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Bill Becker on Behalf of DOE — Signature: [signature] — Month/Day/Year: 1/4/07

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: ____
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JASON FRITTS — Signature: [signature] — Month/Day/Year: 1/4/07
Transporter 2 Printed/Typed Name: — Signature: — Month/Day/Year:

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

JAN 31 2007

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H112 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Ryan Fotheringham — Signature: [signature] — Month/Day/Year: 01/08/07

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.
DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

[redacted]

PCB Attachment
Manifest 001754501 JJK

PGDP Manifest Number: 001754501 JJK

Shipment Date: 1-4-2007

Container ID:	Volume M3	Gross KG	Description:	PCB DTS.
115988-01	2.7184	771	Debris	10-03-2006
115988-02	2.7184	780	Debris	10-03-2006

Energy Solutions Profile Number: 9052-02

Activity Per Package:

115988-01 128 MBq
115988-02 130 MBq

[redacted]

CERTIFICATE OF DISPOSAL

3 mi. S. Ext. 49, I-80 Clive, Utah
84029 EPA ID: UT982598898

DOE, Paducah, Paducah

This Certificate acknowledges that the following manifested shipments:

Shipment	Manifest	Date(s) of Disposal	Cu/Ft	Process	Disposal Location
9052-03-0001	54502	1/31/2007	399	Landfill	Mixed Waste

Representing 399 Cubic feet of waste disposed of at EnergySolutions' above listed Disposal Facility landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse C. Garcia
Mixed Waste Site Manager

2/6/07
Date

423West 300 South, Salt Lake City, Utah 84101 Telephone (801)

se print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: KY8890008982
2. Page 1 of 2
3. Emergency Response Phone: (270) 441-6211
4. Manifest Tracking Number: 001754502 JJK

5. Generator's Name and Mailing Address:
U.S. DOE C/O ENERGYSOLUTIONS, LLC
5600 HOBBS ROAD, MS-7431
PADUCAH, KY 42002
Generator's Phone: (270) 441-5095

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: HITTMAN TRANSPORTATION SERVICES — U.S. EPA ID Number: D987783065

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address:
ENERGY SOLUTIONS, LLC
CLIVE DISPOSAL SITE
INTERSTATE 80, EXIT 49
CLIVE, UTAH 84029
Facility's Phone: (435) 884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA I), 7, UN 2912, (RQ PCB), K40, NP237, PU238, PU239, TC99, U234, U235, U236, U238, SOLID/OXIDE, 118 MBQ FISSILE EXCEPTED (SMALL INTACT CAPACITORS) CONT. 115991-01, 115991-02	2	DM	449	K	
RQ	2. RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA I) 7, UN 2912, (RQ PCB) K40, NP237, PU238, PU239, TC99, U234, U235, U236, U238, SOLID/OXIDE, 326 MBQ, FISSILE EXCEPTED (NON INTACT NON LEAKING ARTICLES) CONT. 115990-01	1	CM	1447	K	
X	3. RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA I) 7, UN 2912, K40, NP237, PU238, PU239, TC99, U234, U235, U236, U238, SOLID/OXIDE 923 MBQ, FISSILE EXCEPTED (CONTAINS PCBs) CONT. 115987-01, 115987-02, 115987-03	3	CM	4150	K	
	4.					

14. Special Handling Instructions and Additional Information: IN THE EVENT OF AN RQ RELEASE CONTACT THE NATIONAL RESPONSE CENTER 1-800-424-8802. ALTERNATE TSDRF: RETURN TO GENERATOR. SEE PCB ATTACHMENT PAGE 2. ERG: 162
ENERGY SOLUTIONS PROFILE # 9052-03-PR09256

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Bill Becker on Behalf of DOE — Signature: [signature] — Month 1 Day 4 Year 07

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jason Fritts — Signature: [signature] — Month 1 Day 4 Year 07
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

JAN 2007 PW

Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [handwritten name] — Signature: [signature] — Month 01 Day 08 Year 07

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **DESIGNATED FACILITY TO GENERATOR**

PCB Attachment
Manifest 001754502 JJK

PGDP Manifest Number: 001754502 JJK

Shipment Date: 1-4-2007

Container ID:	Volume M3	Gross KG	Description:	PCB DTS:
115991-01	0 2096	222	Small intact capacitors	9/22/04
115991-02	0.2096	227	Small intact capacitors	9/22/04
115990-01	2.7184	1447	non-intact, non leaking articles	9/22/05
115987-01	2.7184	1252	PCB Remediation waste (debris)	10/03/06
115987-02	2.7184	1501	PCB Remediation waste (debris)	10/03/06
115987-03	2.7184	1397	PCB Remediation waste (debris)	10/03/06

Energy Solutions Profile Number: 9052-03

Activity per package:

115991-01	57.3MBq
115991-02	58.6MBq
115990-01	326MBq
115987-01	269MBq
115987-02	342MBq
115987-03	312MBq

[redacted]

CERTIFICATE OF DISPOSAL

3 mi. S. Ext. 49, I-80 Clive, Utah
84029 EPA ID: UT982598898

DOE, PGDP/Paducah,

This Certificate acknowledges that the following manifested shipments:

Shipment	Manifest	Date(s) of Disposal	Cu/Ft	Process	Disposal Location
6202-13-0001	54512	12/18/2007	1360	Landfill	Mixed Waste

Representing 1360 Cubic feet of waste disposed of at EnergySolutions' above listed Disposal Facility landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse C. Garcia
Mixed Waste Site Manager

1/3/08
Date

423West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY8890008982	2	1-270-441-6211	001754512

5. Generator's Name and Mailing Address: U.S. DOE c/o Paducah Remediation Services, 761 Veterans Ave., Kevil, KY 42053

Generator's Site Address (if different than mailing address): US DOE c/o Paducah Remediation Servic, Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd, Kevil, Ky 42053

Generator's Phone: 270-441-5000

6. Transporter 1 Company Name: Specialty Transport, Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Energy Solutions, Clive Disposal site (Bulk Waste Facility), US 180, Exit 49, Clive, UT 84029 — U.S. EPA ID Number: UTD982598898

Facility's Phone: 435-884-0155

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I) 7, UN2912, RQ (Asbestos, PCB), Am241, Np237, K40, Tc99, Th230, U04, Solid oxide, 2 MBq	01	CM	~~10120~~ 4594	~~P~~ K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information: For Emergency Response, contact: Paducah Gaseous Diffusion Plant PSS 1-270-441-6211
ERG #162 PCB START DATE: 4-25-95
See PCB Attachment for additional information
If material is undeliverable, return to Generator
"EXCLUSIVE USE SHIPMENT" ES Shipment #6202-13-0001
Truck #331 TRL#4828
TID#'s: 0010245, 0010240, 0010243, 0010248, 0010268

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David R. DelaCruz on behalf of US DOE — Signature: David R. DelaCruz — Month 09 Day 25 Year 07

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Paul Moore — Signature: Paul Moore — Month 9 Day 25 Year 07
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. Gardner — Signature: [signature] — Month 09 Day 27 Year 07

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

RECEIVED
OCT 11 2007
BY: TS

Manifest Number: 6202-13-0001
PCB Attachment
Date Shipped: 09-25-07

RFD	WASTE ID	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Kg	PCB type/ disposal	Container Size
112661	112661-01	WESTINGHOUSE Portable Vacuum Pump ≥500 ppm PCBs, drained	4/2/2003	480	5849	2655	PCB Article (40 CFR 761.60 (b)(6))	9.5'L x 4.6'W x 7'H
115434	115434-01	PCB CABLE- Alternating Current wire from DMSA 333-23; cable from RFD 113285-01 and RFD 113297-01	4/29/2003	96	2472	1122	PCB Bulk Product presumed to leach (40 CFR 761.62(a)), i.e, fully TSCA regulated	48"L x 76"W x 50"H
110893	110893-01	PCB WIRING REMOVED FROM B-25 BOX 110441 (1" Collyer 250 MCM RR)	1/18/2002	7.4	423	192	PCB Bulk Product presumed to leach (40 CFR 761.62(a)), i.e, fully TSCA regulated	55-gal
110893	110893-02	PCB WIRING REMOVED FROM B-25 BOX 110441	1/18/2002	7.4	197	89	PCB Bulk Product presumed to leach (40 CFR 761.62(a)), i.e, fully TSCA regulated	55-gal
113328	113328-01	DMSA WELDING CABLE	8/22/2002	7.4	169	77	PCB Bulk Product presumed to leach (40 CFR 761.62(a)), i.e, fully TSCA regulated	55-gal
113451	113451-01	PCB WELDING CABLE LEAD REMOVED FROM RFD 110904-01, CART AND THREE WELDING MACHINES.	8/2/2002	7.4	244	111	PCB Bulk Product presumed to leach (40 CFR 761.62(a)), i.e, fully TSCA regulated	55-gal
109739	109739-01	Spill Debris: empty 55-gal metal drum, overpacked	2/24/2005	11.4	140	64	PCB Rem waste ≥50 ppm	85-gal
109740	109740-01	Spill Debris: empty 55-gal metal drum, overpacked	2/24/2005	11.4	141	64	PCB Rem waste ≥50 ppm	85-gal
109741	109741-01	Spill Debris: empty 55-gal metal drum, overpacked	2/24/2005	11.4	141	64	PCB Rem waste ≥50 ppm	85-gal
109742	109742-01	Spill Debris: empty 55-gal metal drum, overpacked	2/24/2005	11.4	141	64	PCB Rem waste ≥50 ppm	85-gal
59751	59751-01	(2)MOTORS (2)MOTOR BASES (electrical)	9/25/1996	7.4	203	92	PCB Rem waste ≥50 ppm	55-gal
11					10120	4594		

oldest date removed from service = 9/25/96

ENERGY*SOLUTIONS*

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT 982598898
DOE, PGDP PADUCAH
Reprint

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (Cu/Ft)	Process	Disposal Location
6202-15-0018	54530	11/15/2007	721	Land Fill	Mixed Waste
6202-15-0045	54557	12/21/2007	679.8	Land Fill	Mixed Waste

RECEIVED
NOV 0 1 2008
BY: TS

The total volume above represents the cubic feet of waste disposed of at EnergySolutions' disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) Certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

7/17/09
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754530 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Specialty Transport Inc.
U.S. EPA ID Number
TNR000011247

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US 1-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number
UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 15 MBq, Fissile Excepted	16	DF	4889	K	
X	2. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 30 MBq, Fissile Excepted	38	DM	9775	K	
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck # 121 Trailer # 7230 TID
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 8/7/1986
If undeliverable, return to generator
Shipment ID: 6202-15-0018

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: [illegible] Signature: [signature] Month: 11 Day: 12 Year: 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gary D Lee, Man Jr Signature: [signature] Month: 11 Day: 12 Year: 07

Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

RECEIVED NOV 26 2007 BY [signature]

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H124			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Justin Lee Signature: [signature] Month: 11 Day: 26 Year: 07

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754530 JJK
Shipment ID Number: 6202-15-0018
Shipment Date: 11/12/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
108598	108598-03	PAD05C06893	CINDER BLOCKS	PCB Remediation Debris	11/04/04	7.4	390	176.90	0.354
3966	CAS-02898	PAD94C25662	GRAVEL	PCB Remediation Debris	08/07/86	7.4	794	360.15	0.969
3967	CAS-03031	PAD94C25650	GRAVEL	PCB Remediation Debris	08/08/86	7.4	866	392.81	1.069
3967	CAS-03075	PAD94C25778	GRAVEL	PCB Remediation Debris	08/08/86	7.4	850	385.55	1.047
3967	CAS-03081	PAD94C25777	GRAVEL	PCB Remediation Debris	08/08/86	7.4	815	369.68	0.998
3967	CAS-03102	PAD94C25663	GRAVEL	PCB Remediation Debris	08/08/86	7.4	831	376.93	1.020
3967	CAS-03135	PAD94C25722	GRAVEL	PCB Remediation Debris	08/08/86	7.4	754	342.01	0.913
3968	CAS-03256	PAD94C21627	GRAVEL	PCB Remediation Debris	08/11/86	7.4	780	353.80	0.949
3969	CAS-03274	PAD94C25272	GRAVEL	PCB Remediation Debris	08/14/86	7.4	760	344.73	0.921
3969	CAS-03293	PAD94C21638	GRAVEL	PCB Remediation Debris	08/14/86	7.4	804	364.69	0.983
3969	CAS-03325	PAD94C18749	GRAVEL	PCB Remediation Debris	08/14/86	7.4	775	351.53	0.942
4139	CAS-03557	PAD94C26984	CONCRETE	PCB Remediation Debris	08/27/86	7.4	763	346.09	0.925
3972	CAS-03627	PAD94C18751	CONCRETE	PCB Remediation Debris	09/02/86	7.4	695	315.25	0.831
3944	CAS-04381	PAD94C25268	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	687	311.62	0.820
3944	CAS-04410	PAD94C21628	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	653	296.19	0.772
3946	CAS-04468	PAD94C18722	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	757	343.37	0.917
3946	CAS-04477	PAD94C18721	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	779	353.35	0.948
5605	CAS-06493	PAD94C16653	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06494	PAD94C16654	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06495	PAD94C16712	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06496	PAD94C16713	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06516	PAD94C17304	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06517	PAD94C16416	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06518	PAD94C16417	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06519	PAD94C16476	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06520	PAD94C16477	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06541	PAD94C17973	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06542	PAD94C17972	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06543	PAD94C18033	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06544	PAD94C18032	CONCRETE	PCB Remediation Debris	10/03/88	7.4	697	316.15	0.782
5605	CAS-06549	PAD94C16405	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06550	PAD94C16465	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06551	PAD94C16403	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06552	PAD94C16464	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5606	CAS-06592	PAD94C16584	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06593	PAD94C16644	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06595	PAD94C16643	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06596	PAD94C16582	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06599	PAD94C16705	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06600	PAD94C16646	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5607	CAS-06705	PAD94C16533	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06706	PAD94C16594	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06707	PAD94C16532	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06708	PAD94C16593	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5608	CAS-06766	PAD94C16526	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06767	PAD94C16588	CONCRETE	PCB Remediation Debris	10/06/88	7.4	705	319.78	0.793
5608	CAS-06768	PAD94C16527	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06797	PAD94C16413	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06798	PAD94C16473	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06800	PAD94C16472	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06819	PAD94C16951	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5612	CAS-07029	PAD94C16896	CONCRETE	PCB Remediation Debris	10/11/88	7.4	715	324.32	0.807
5612	CAS-07030	PAD94C16957	CONCRETE	PCB Remediation Debris	10/11/88	7.4	785	356.07	0.905
5612	CAS-07031	PAD94C16897	CONCRETE	PCB Remediation Debris	10/11/88	7.4	715	324.32	0.807
Totals	**54**					**399.6**	**39082**	**17727**	**45**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	2	1-270-441-6211	001754557 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Hittman Transport Services
U.S. EPA ID Number
TND987783065

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number
UTD982598698

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 19 MBq, Fissile Excepted	20	DF	6044	K	
X	2. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 25 MBq, Fissile Excepted	30	DM	8133	K	
	3.					
	4.					

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PADUCAH REMEDIATION SERVICES

14. Special Handling Instructions and Additional Information
Truck # 033 Trailer # U36874 TTD # 0019055
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 7/18/1986
If undeliverable, return to generator
Shipment ID: 6202-15-0045

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David R. DeLaCruz on behalf of U.S. DOE
Signature: David R DeLaCruz
Month 12 Day 17 Year 07

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Brian Brown
Signature:
Month 12 Day 17 Year 07

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132	H132		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. Gardner
Signature:
Month 12 Day 19 Year 07

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754557 JJK
Shipment ID Number: 6202-15-0045
Shipment Date: 12/17/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
115	CAS-02692	PAD94C16987	CONCRETE	PCB Remediation Debris	07/18/86	7.4	512	232.24	0.576
3966	CAS-03000	PAD94C16975	GRAVEL	PCB Remediation Debris	08/07/86	7.4	688	312.07	0.821
3968	CAS-03204	PAD94C15941	GRAVEL	PCB Remediation Debris	08/11/86	7.4	812	368.32	0.994
3949	CAS-04592	PAD94C22507	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/12/87	7.4	757	343.37	0.917
3949	CAS-04620	PAD94C21645	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/12/87	7.4	815	369.68	0.998
3950	CAS-04647	PAD94C22476	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/13/87	7.4	793	359.70	0.967
3950	CAS-04666	PAD94C18500	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/13/87	7.4	790	358.34	0.963
6326	CAS-04718	PAD94C25304	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	799	362.42	0.976
6326	CAS-04764	PAD94C15437	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	769	348.81	0.934
6326	CAS-04800	PAD94C25881	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	786	356.52	0.958
6327	CAS-05043	PAD94C25880	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	787	356.98	0.959
6327	CAS-05076	PAD94C16205	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	810	367.41	0.991
6327	CAS-05101	PAD94C21732	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	795	360.60	0.970
6331	CAS-05176	PAD94C21811	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	706	320.23	0.846
6331	CAS-05201	PAD94C18652	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	782	354.71	0.952
6331	CAS-05204	PAD94C25865	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	789	357.88	0.962
6331	CAS-05213	PAD94C16105	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	804	364.69	0.983
6332	CAS-05251	PAD94C15911	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	781	354.25	0.951
6333	CAS-05365	PAD94C16566	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	775	351.53	0.942
6339	CAS-05771	PAD94C25864	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/30/87	7.4	754	342.01	0.913
5612	CAS-07047	PAD94C16516	CONCRETE NORTH & SOUTH TRENCH	PCB Remediation Debris	10/11/88	7.4	760	344.73	0.870
5614	CAS-07163	PAD94C18693	SOIL & ROCK	PCB Remediation Debris	10/13/88	7.4	732	332.03	0.831
5615	CAS-07223	PAD94C18728	SOIL & ROCK	PCB Remediation Debris	10/17/88	7.4	711	322.50	0.801
5615	CAS-07229	PAD94C27014	SOIL & ROCK	PCB Remediation Debris	10/17/88	7.4	761	345.18	0.871
5615	CAS-07238	PAD94C22597	SOIL & ROCK	PCB Remediation Debris	10/17/88	7.4	761	345.18	0.871
5615	CAS-07239	PAD94C18606	SOIL & ROCK	PCB Remediation Debris	10/17/88	7.4	761	345.18	0.871
5615	CAS-07240	PAD94C18634	SOIL & ROCK	PCB Remediation Debris	10/17/88	7.4	761	345.18	0.871
5615	CAS-07241	PAD94C18605	SOIL & ROCK	PCB Remediation Debris	10/17/88	7.4	761	345.18	0.871
5615	CAS-07242	PAD94C18646	SOIL & ROCK	PCB Remediation Debris	10/17/88	7.4	761	345.18	0.871
5615	CAS-07243	PAD94C18744	SOIL & ROCK	PCB Remediation Debris	10/17/88	7.4	761	345.18	0.871
5615	CAS-07245	PAD94C18743	SOIL & ROCK	PCB Remediation Debris	10/17/88	7.4	761	345.18	0.871
5615	CAS-07246	PAD94C18714	SOIL & ROCK	PCB Remediation Debris	10/17/88	7.4	761	345.18	0.871
5615	CAS-07268	PAD94C27017	SOIL & ROCK	PCB Remediation Debris	10/17/88	7.4	753	341.55	0.860
5615	CAS-07279	PAD94C25311	SOIL & ROCK	PCB Remediation Debris	10/17/88	7.4	782	354.71	0.900
5615	CAS-07280	PAD94C25310	SOIL & ROCK	PCB Remediation Debris	10/17/88	7.4	782	354.71	0.900
5615	CAS-07281	PAD94C25294	SOIL & ROCK	PCB Remediation Debris	10/17/88	7.4	782	354.71	0.900
5615	CAS-07282	PAD94C25295	SOIL & ROCK	PCB Remediation Debris	10/17/88	7.4	782	354.71	0.900
5615	CAS-07295	PAD94C27070	SOIL & ROCK	PCB Remediation Debris	10/17/88	7.4	782	354.71	0.900
5616	CAS-07307	PAD94C27026	SOIL & ROCK	PCB Remediation Debris	10/18/88	7.4	751	340.65	0.857
5616	CAS-07312	PAD94C27042	SOIL & ROCK	PCB Remediation Debris	10/18/88	7.4	751	340.65	0.857
5616	CAS-07316	PAD94C25263	SOIL & ROCK	PCB Remediation Debris	10/18/88	7.4	781	354.25	0.899
5616	CAS-07318	PAD94C25262	SOIL & ROCK	PCB Remediation Debris	10/18/88	7.4	781	354.25	0.899
5616	CAS-07320	PAD94C18689	SOIL & ROCK	PCB Remediation Debris	10/18/88	7.4	751	340.65	0.857
5616	CAS-07321	PAD94C18662	SOIL & ROCK	PCB Remediation Debris	10/18/88	7.4	751	340.65	0.857
5616	CAS-07322	PAD94C18690	SOIL & ROCK	PCB Remediation Debris	10/18/88	7.4	751	340.65	0.857
10244	CAS-10008	PAD94C00252	TRASH/ROCK/CONCRETE	PCB Remediation Debris	02/13/90	7.4	318	144.24	0.365
9819	CAS-11100	PAD94C03082	DIRT, CONCRETE	PCB Remediation Debris	11/29/90	7.4	891	404.15	1.052
9819	CAS-11137	PAD94C03105	DIRT, CONCRETE	PCB Remediation Debris	11/29/90	7.4	852	386.46	0.998
21636	CAS-14863	PAD94C02798	CONCRETE BLOCKS	PCB Remediation Debris	03/26/91	7.4	320	145.15	0.368
8132	CAS-15078	PAD94C03728	CONCRETE BLOCKS	PCB Remediation Debris	08/09/89	7.4	357	161.93	0.420
Totals		**50**				**370**	**37074**	**16816**	**44**

ENERGY*SOLUTIONS*

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT982598898
DOE, PGPD/PADUCAH
Re-Print

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (Cu/Ft)	Process	Disposal Location
6202-15-0001	54513	1/30/2008	868.4	Landfill	Mixed Waste

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BY: TS

The total volume above represents the cubic feet of waste disposed of at EnergySolutions' disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) Certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

8/14/09
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: KY8890008982
2. Page 1 of: 2
3. Emergency Response Phone: 1-270-441-6211
4. Manifest Tracking Number: 001754513 JJK

GENERATOR

5. Generator's Name and Mailing Address
US DOE c/o Paducah Remediation Services
761 Veterans Avenue
Kevil, KY 42053
Generator's Phone: 270-441-5000

Generator's Site Address (if different than mailing address)
US DOE c/o Paducah Remediation Services
Paducah Gaseous Diffusion Plant
USEC Hobbs Rd.
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc.
U.S. EPA ID Number: TNR000113217

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Envirocare of Utah
Clive Disposal Site Bulk Waste Facility
US Hwy 80 Exit 49
Clive UT 84029
Facility's Phone: 435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material low specific activity (LSA-I) 7, UN3912 RQ(PCB) Np 237, Pu-239, Tc-99 Th-230 U-Dep. Solid/oxide, 32 MBq. Fissile Excepted	36	DF	10400	K	
X	2. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB) Np 237, Pu 239, Tc-99, Th-230. U-Dep. Solid/oxide. 17 MBq. Fissile Excepted	24	DM	5678	K	
	3.					
	4.					

14. Special Handling Instructions and Additional information
For Emergency Response contact PGDP PSS at 1-270-441-6211
ERG #162
Exclusive Use Shipment
See PCB Attachment for additional information
PCB Start Date: 7/18/86
If material is undeliverable, return to Generator.
Shipment ID: 6202-15-0001
Truck: 324 Trailer: 7341 TIDs: 0008209

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: DAVID R DELACRUZ on behalf of U.S. DOE
Signature: David R. DeLaCruz
Month: 10 Day: 15 Year: 07

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Ashcraft
Signature:
Month: 10 Day: 15 Year: 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

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BY:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132	H132		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name
Signature
Month: 11 Day: 19 Year: 07

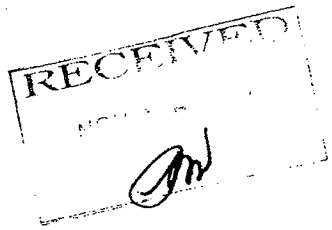
EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754513 JJK
Shipment ID Number: 6202-15-0001
Shipment Date: 10/15/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
115	CAS-02697	PAD94C17958	CONCRETE	PCB Remediation Debris	07/18/86	7.4	736	333.84	0.888
115	CAS-02719	PAD94C17947	CONCRETE	PCB Remediation Debris	07/18/86	7.4	714	323.86	0.857
115	CAS-02722	PAD94C17946	CONCRETE	PCB Remediation Debris	07/18/86	7.4	730	331.12	0.879
116	CAS-02763	PAD94C17776	CONCRETE	PCB Remediation Debris	07/25/86	7.4	883	400.52	1.093
119	CAS-02824	PAD94C16551	CONCRETE	PCB Remediation Debris	08/06/86	7.4	635	288.03	0.747
119	CAS-02828	PAD94C17694	CONCRETE	PCB Remediation Debris	08/06/86	7.4	900	408.23	1.116
119	CAS-02853	PAD94C25108	CONCRETE	PCB Remediation Debris	08/06/86	7.4	609	276.24	0.659
3966	CAS-02888	PAD94C25080	GRAVEL	PCB Remediation Debris	08/07/86	7.4	851	386.01	0.997
3966	CAS-02957	PAD94C25109	GRAVEL	PCB Remediation Debris	08/07/86	7.4	818	371.04	0.951
3966	CAS-02973	PAD94C16620	GRAVEL	PCB Remediation Debris	08/07/86	7.4	840	381.02	1.033
3966	CAS-02992	PAD94C25292	GRAVEL	PCB Remediation Debris	08/07/86	7.4	794	360.15	0.917
3966	CAS-03010	PAD94C17048	GRAVEL	PCB Remediation Debris	08/07/86	7.4	791	358.79	0.913
3967	CAS-03044	PAD94C25738	GRAVEL	PCB Remediation Debris	08/08/86	7.4	821	372.40	0.955
3967	CAS-03047	PAD94C17721	GRAVEL	PCB Remediation Debris	08/08/86	7.4	834	378.29	1.024
3967	CAS-03145	PAD94C17715	GRAVEL	PCB Remediation Debris	08/08/86	7.4	813	368.77	0.944
3968	CAS-03186	PAD94C16155	GRAVEL	PCB Remediation Debris	08/11/86	7.4	858	389.18	1.058
3970	CAS-03510	PAD94C15858	CONCRETE	PCB Remediation Debris	08/26/86	7.4	828	375.57	1.016
3970	CAS-03514	PAD94C15948	CONCRETE	PCB Remediation Debris	08/26/86	7.4	723	327.95	0.870
3970	CAS-03516	PAD94C16119	CONCRETE	PCB Remediation Debris	08/26/86	7.4	630	285.76	0.740
3970	CAS-03517	PAD94C16123	CONCRETE	PCB Remediation Debris	08/26/86	7.4	756	342.91	0.916
3970	CAS-03518	PAD94C16124	CONCRETE	PCB Remediation Debris	08/26/86	7.4	715	324.32	0.859
3970	CAS-03529	PAD94C16152	CONCRETE	PCB Remediation Debris	08/26/86	7.4	745	337.92	0.900
4139	CAS-03543	PAD94C15901	CONCRETE	PCB Remediation Debris	08/27/86	7.4	799	362.42	0.976
4139	CAS-03549	PAD94C15890	CONCRETE	PCB Remediation Debris	08/27/86	7.4	767	347.90	0.931
4139	CAS-03563	PAD94C18632	CONCRETE	PCB Remediation Debris	08/27/86	7.4	723	327.95	0.870
3972	CAS-03620	PAD94C18548	CONCRETE	PCB Remediation Debris	09/02/86	7.4	733	332.48	0.832
3972	CAS-03622	PAD94C18432	CONCRETE	PCB Remediation Debris	09/02/86	7.4	738	334.75	0.839
3940	CAS-04156	PAD94C16120	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	673	305.27	0.800
3940	CAS-04191	PAD94C25225	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	627	284.40	0.684
3940	CAS-04207	PAD94C16151	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	643	291.66	0.758
3940	CAS-04218	PAD94C15927	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	551	249.93	0.630
3940	CAS-04222	PAD94C15926	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	463	210.01	0.507
3940	CAS-04223	PAD94C15967	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	521	236.32	0.588
3941	CAS-04264	PAD94C15969	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	703	318.87	0.842
3941	CAS-04266	PAD94C15902	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	687	311.62	0.768
3941	CAS-04293	PAD94C25224	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	715	324.32	0.807
3943	CAS-04358	PAD94C15857	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	700	317.51	0.838
3943	CAS-04360	PAD94C15889	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	796	361.06	0.971
3944	CAS-04413	PAD94C15611	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	614	278.50	0.718
3945	CAS-04424	PAD94C18631	CONTAMINATED CONCRETE	PCB Remediation Debris	10/07/87	7.4	673	305.27	0.800
3945	CAS-04449	PAD94C18603	CONTAMINATED CONCRETE	PCB Remediation Debris	10/07/87	7.4	716	324.77	0.860
3949	CAS-04615	PAD94C21635	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/12/87	7.4	834	378.29	1.024
6326	CAS-04737	PAD94C15869	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	815	369.68	0.998
6326	CAS-04765	PAD94C15870	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	762	345.64	0.924
6327	CAS-05028	PAD94C16627	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	785	356.07	0.956
6332	CAS-05236	PAD94C18604	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	813	368.77	0.995
6333	CAS-05344	PAD94C18725	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	851	386.01	1.048
6339	CAS-05769	PAD94C16222	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/30/87	7.4	764	346.54	0.927
5608	CAS-06808	PAD94C16437	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
6461	CAS-07668	PAD94C27062	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	699	317.06	0.785
6461	CAS-07692	PAD94C16942	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	680	308.44	0.758
6461	CAS-07693	PAD94C16882	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	680	308.44	0.758
6461	CAS-07694	PAD94C16943	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	680	308.44	0.758
6461	CAS-07695	PAD94C16883	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	680	308.44	0.758
6461	CAS-07727	PAD94C21615	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	697	316.15	0.782
9757	CAS-12879	PAD94C03769	CONCRETE BLOCKS	PCB Remediation Debris	04/10/91	7.4	312	141.52	0.357
17386	CAS-14024	PAD94C02928	CONCRETE	PCB Remediation Debris	05/15/91	7.4	348	157.85	0.407
21636	CAS-14864	PAD94C02768	CONCRETE BLOCKS	PCB Remediation Debris	03/26/91	7.4	313	141.97	0.358
21636	CAS-14865	PAD94C02797	CONCRETE BLOCKS	PCB Remediation Debris	03/26/91	7.4	268	121.56	0.295
21636	CAS-14866	PAD94C02767	CONCRETE BLOCKS	PCB Remediation Debris	03/26/91	7.4	235	106.59	0.249
Totals		**60**				**444**	**41875**	**18994**	**49**



CERTIFICATE OF DISPOSAL

3 mi. S. Ext. 49, I-80 Clive, Utah
84029 EPA ID: UT982598898

DOE, PGDP/Paducah,

This Certificate acknowledges that the following manifested shipments:

Shipment	Manifest	Date(s) of Disposal	Cu/Ft	Process	Disposal Location
6202-15-0014	54526	11/7/2007, 11/15/2007, 11/17/2007, 1/29/2008, 1/30/2008,6/3/2008	806.4	Landfill	Mixed Waste
6202-15-0015	54527	11/7/2007, 11/15/2007, 11/24/2007, 12/3/2007, 1/30/2008,6/3/2008	921.7	Landfill	Mixed Waste
6202-15-0016	54528	11/15/2007, 11/28/2007, 1/30/2008,6/3/2008	750.4	Landfill	Mixed Waste
6202-15-0017	54529	11/15/2007,6/3/2008	662.2	Landfill	Mixed Waste
6202-15-0019	54531	11/24/2007, 12/4/2007, 1/30/2008,6/3/2008	846.3	Landfill	Mixed Waste
6202-15-0020	54532	11/28/2007, 12/3/2007, 1/30/2008,6/3/2008	873.6	Landfill	Mixed Waste
6202-15-0021	4533	11/28/2007, 12/3/2007, 1/18/2008, 1/30/2008,6/3/2008	940.8	Landfill	Mixed Waste
6202-15-0023	54535	11/24/2007, 12/4/2007, 12/5/2007, 1/24/2008, 1/30/2008,6/3/2008	924	Landfill	Mixed Waste
6202-15-0024	54581	12/5/2007, 1/24/2008,6/3/2008	660.8	Landfill	Mixed Waste
6202-15-0025	54537	12/5/2007, 1/18/2008, 1/30/2008,6/3/2008	907.2	Landfill	Mixed Waste

Representing 8293.4 Cubic feet of waste disposed of at EnergySolutions' above listed Disposal Facility landfill. Disposal is 8293.4 subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse C. Garcia
Mixed Waste Site Manager

6/4/08
Date

423West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

JAN 13 2009

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number KY 8890008982	2. Page 1 of 2	3. Emergency Response Phone 1-270-441-6211	4. Manifest Tracking Number 001754526 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 31 MBq, Fissile Excepted	35	DF	10110	K	
X	2. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 18 MBq, Fissile Excepted	20	DM	5285	K	
	3.					
	4.					

14. Special Handling Instructions and Additional Information   Truck# 8087   Trailer# 7341   TID# 0008260
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 7/16/1986
If undeliverable, return to generator
Shipment ID: 6202-15-0014

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David R DelaCruz on behalf of U.S. DOE — Signature: [signature] — Month 11 Day 2 Year 07

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Danny Hilton — Signature: [signature] — Month 11 Day 2 Year 07
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED NOV 2 6 2007 BY: [signature]

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H124			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name — Signature — Month 11 Day 6 Year 07

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.
DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754526 JJK
Shipment ID Number: 6202-15-0014
Shipment Date: 11/2/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
3963	CAS-02663	PAD94C18021	CONCRETE	PCB Remediation Debris	07/16/86	7.4	665	301.64	0.789
115	CAS-02729	PAD94C18023	CONCRETE	PCB Remediation Debris	07/18/86	7.4	616	279.41	0.721
116	CAS-02739	PAD94C18015	CONCRETE	PCB Remediation Debris	07/25/86	7.4	835	378.75	1.026
3966	CAS-02910	PAD94C25144	GRAVEL	PCB Remediation Debris	08/07/86	7.4	775	351.53	0.942
3966	CAS-02971	PAD94C17492	GRAVEL	PCB Remediation Debris	08/07/86	7.4	868	393.72	1.072
3966	CAS-03001	PAD94C25208	GRAVEL	PCB Remediation Debris	08/07/86	7.4	811	367.86	0.992
3969	CAS-03316	PAD94C27075	GRAVEL	PCB Remediation Debris	08/14/86	7.4	790	358.34	0.963
3970	CAS-03523	PAD94C16246	CONCRETE	PCB Remediation Debris	08/26/86	7.4	727	329.76	0.875
3970	CAS-03524	PAD94C21548	CONCRETE	PCB Remediation Debris	08/26/86	7.4	704	319.33	0.843
4139	CAS-03562	PAD94C18431	CONCRETE	PCB Remediation Debris	08/27/86	7.4	763	346.09	0.925
4140	CAS-03591	PAD94C15608	CONCRETE	PCB Remediation Debris	08/28/86	7.4	709	321.60	0.850
3940	CAS-04182	PAD94C16038	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	794	360.15	0.969
3940	CAS-04229	PAD94C15821	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	707	320.69	0.847
3943	CAS-04310	PAD94C15773	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	622	282.13	0.729
3943	CAS-04321	PAD94C16245	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	644	292.11	0.760
3943	CAS-04327	PAD94C16277	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	729	330.67	0.878
3943	CAS-04338	PAD94C16278	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	764	346.54	0.927
3943	CAS-04350	PAD94C25316	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	648	293.93	0.765
3945	CAS-04441	PAD94C16635	CONTAMINATED CONCRETE	PCB Remediation Debris	10/07/87	7.4	703	318.87	0.842
3946	CAS-04481	PAD94C25161	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	787	356.98	0.959
3946	CAS-04506	PAD94C22316	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	805	365.14	0.984
3947	CAS-04520	PAD94C18683	CONTAMINATED CONCRETE	PCB Remediation Debris	10/09/87	7.4	663	300.73	0.786
3947	CAS-04552	PAD94C16237	CONTAMINATED CONCRETE	PCB Remediation Debris	10/09/87	7.4	707	320.69	0.847
6331	CAS-05215	PAD94C18355	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	823	373.30	1.009
6332	CAS-05257	PAD94C18331	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	739	335.20	0.892
6333	CAS-05378	PAD94C18359	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	760	344.73	0.921
6333	CAS-05403	PAD94C18336	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	738	334.75	0.891
6333	CAS-05441	PAD94C18360	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	810	367.41	0.991
6338	CAS-05722	PAD94C18335	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/29/87	7.4	635	288.03	0.747
6340	CAS-05892	PAD94C18356	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	11/02/87	7.4	773	350.63	0.939
6345	CAS-06129	PAD94C18332	PCB CONTAMINATED CONCRETE	PCB Remediation Debris	12/07/87	7.4	639	289.84	0.753
5606	CAS-06585	PAD94C16933	CONCRETE	PCB Remediation Debris	10/04/88	7.4	721	327.04	0.815
5606	CAS-06586	PAD94C16993	CONCRETE	PCB Remediation Debris	10/04/88	7.4	721	327.04	0.815
5606	CAS-06587	PAD94C16932	CONCRETE	PCB Remediation Debris	10/04/88	7.4	721	327.04	0.815
5606	CAS-06588	PAD94C16992	CONCRETE	PCB Remediation Debris	10/04/88	7.4	721	327.04	0.815
5606	CAS-06629	PAD94C16670	CONCRETE	PCB Remediation Debris	10/04/88	7.4	693	314.34	0.776
5606	CAS-06630	PAD94C16729	CONCRETE	PCB Remediation Debris	10/04/88	7.4	693	314.34	0.776
5606	CAS-06631	PAD94C16669	CONCRETE	PCB Remediation Debris	10/04/88	7.4	693	314.34	0.776
5606	CAS-06637	PAD94C16720	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06638	PAD94C16661	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06639	PAD94C16721	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06640	PAD94C16662	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5607	CAS-06713	PAD94C16753	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06714	PAD94C16694	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06715	PAD94C16752	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06725	PAD94C16937	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.956
5607	CAS-06726	PAD94C16997	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06727	PAD94C16936	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.956
5607	CAS-06728	PAD94C16996	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06738	PAD94C16685	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06739	PAD94C16745	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5612	CAS-07032	PAD94C18168	CONCRETE	PCB Remediation Debris	10/12/88	7.4	715	324.32	0.859
5612	CAS-07033	PAD94C18366	CONCRETE	PCB Remediation Debris	10/12/88	7.4	715	324.32	0.807
5612	CAS-07034	PAD94C18365	CONCRETE	PCB Remediation Debris	10/12/88	7.4	715	324.32	0.807
5612	CAS-07035	PAD94C18167	CONCRETE	PCB Remediation Debris	10/12/88	7.4	715	324.32	0.859
Totals	**55**					**407**	**40125**	**18200**	**47**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754527 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598698

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 48 MBq, Fissile Excepted	54	DF	15750	K	
X	2. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 2 MBq, Fissile Excepted	2	DM	612	K	
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck # 8168 Trailer # 9338 TID # 0008249
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 7/18/1986
If undeliverable, return to generator
Shipment ID: 6202-15-0015

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David R. DeLaCruz on behalf of US DOE — Signature: David R. DeLaCruz — Month: 11 Day: 2 Year: 07

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: WILFORD COX — Signature: [signature] — Month: 11 Day: 2 Year: 07

Transporter 2 Printed/Typed Name — Signature — Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

RECEIVED
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BY:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H121			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Justin Lee — Signature: [signature] — Month: 11 Day: 5 Year: 07

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754527 JJK

Shipment ID Number: 6202-15-0015

Shipment Date: 11/2/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
115	CAS-02717	PAD94C17944	CONCRETE	PCB Remediation Debris	07/18/86	7.4	708	321.14	0.849
3969	CAS-03335	PAD94C18483	GRAVEL	PCB Remediation Debris	08/14/86	7.4	783	355.16	0.953
4139	CAS-03567	PAD94C18616	CONCRETE	PCB Remediation Debris	08/27/86	7.4	778	352.89	0.946
4139	CAS-03579	PAD94C18512	CONCRETE	PCB Remediation Debris	08/27/86	7.4	804	364.69	0.983
4140	CAS-03613	PAD94C15968	CONCRETE	PCB Remediation Debris	08/28/86	7.4	576	261.27	0.665
4140	CAS-03614	PAD94C15925	CONCRETE	PCB Remediation Debris	08/28/86	7.4	752	341.10	0.910
4140	CAS-03615	PAD94C15977	CONCRETE	PCB Remediation Debris	08/28/86	7.4	626	283.95	0.735
3972	CAS-03617	PAD94C18484	CONCRETE	PCB Remediation Debris	09/02/86	7.4	784	355.61	0.955
3940	CAS-04178	PAD94C15924	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	760	344.73	0.921
3940	CAS-04199	PAD94C15929	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	619	280.77	0.725
3940	CAS-04200	PAD94C15928	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	595	269.89	0.691
3940	CAS-04204	PAD94C15964	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	477	216.36	0.527
3941	CAS-04258	PAD94C16280	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	703	318.87	0.842
3941	CAS-04262	PAD94C15932	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	705	319.78	0.845
3941	CAS-04292	PAD94C15965	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	664	301.18	0.788
3942	CAS-04308	PAD94C16282	CONTAMINATED CONCRETE	PCB Remediation Debris	10/01/87	7.4	699	317.06	0.836
3943	CAS-04329	PAD94C15960	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	796	361.06	0.971
3943	CAS-04331	PAD94C15961	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	724	328.40	0.871
3943	CAS-04332	PAD94C15933	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	631	286.22	0.742
3943	CAS-04337	PAD94C16281	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	660	299.37	0.782
3943	CAS-04351	PAD94C18508	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	720	326.58	0.866
3945	CAS-04421	PAD94C18507	CONTAMINATED CONCRETE	PCB Remediation Debris	10/07/87	7.4	670	303.91	0.796
3945	CAS-04425	PAD94C18511	CONTAMINATED CONCRETE	PCB Remediation Debris	10/07/87	7.4	701	317.97	0.839
3945	CAS-04426	PAD94C18480	CONTAMINATED CONCRETE	PCB Remediation Debris	10/07/87	7.4	751	340.65	0.909
3945	CAS-04435	PAD94C18516	CONTAMINATED CONCRETE	PCB Remediation Debris	10/07/87	7.4	701	317.97	0.839
3945	CAS-04447	PAD94C18479	CONTAMINATED CONCRETE	PCB Remediation Debris	10/07/87	7.4	749	339.74	0.906
3945	CAS-04448	PAD94C18642	CONTAMINATED CONCRETE	PCB Remediation Debris	10/07/87	7.4	783	355.16	0.953
3946	CAS-04459	PAD94C18643	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	834	378.29	1.024
3946	CAS-04469	PAD94C18487	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	771	349.72	0.885
3946	CAS-04478	PAD94C18615	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	768	348.36	0.932
3946	CAS-04511	PAD94C16575	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	733	332.48	0.884
3947	CAS-04550	PAD94C16250	CONTAMINATED CONCRETE	PCB Remediation Debris	10/09/87	7.4	834	378.29	1.024
3947	CAS-04555	PAD94C16249	CONTAMINATED CONCRETE	PCB Remediation Debris	10/09/87	7.4	761	345.18	0.923
3948	CAS-04562	PAD94C16275	CONTAMINATE CONCRETE	PCB Remediation Debris	10/12/87	7.4	791	358.79	0.965
3948	CAS-04572	PAD94C16276	CONTAMINATE CONCRETE	PCB Remediation Debris	10/12/87	7.4	631	286.22	0.742
3949	CAS-04578	PAD94C16243	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/12/87	7.4	838	380.11	1.030
3949	CAS-04581	PAD94C16244	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/12/87	7.4	853	386.91	1.051
3950	CAS-04682	PAD94C18499	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/13/87	7.4	834	378.29	1.024
6326	CAS-04749	PAD94C16248	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	789	357.88	0.962
6326	CAS-04782	PAD94C16247	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	815	369.68	0.998
6326	CAS-04788	PAD94C16279	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	781	354.25	0.951
6327	CAS-05040	PAD94C16862	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/16/87	7.4	765	347.00	0.928
6327	CAS-05041	PAD94C16863	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/16/87	7.4	768	348.36	0.932
6327	CAS-05093	PAD94C15917	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	812	368.32	0.994
6331	CAS-05163	PAD94C18526	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	851	386.01	0.997
6331	CAS-05177	PAD94C15975	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	800	362.87	0.977
6331	CAS-05190	PAD94C16260	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	788	357.43	0.960
6331	CAS-05226	PAD94C15974	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	848	384.64	1.044
6332	CAS-05276	PAD94C16261	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	867	393.26	1.070
6334	CAS-05442	PAD94C16292	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/26/87	7.4	707	320.69	0.847
6336	CAS-05554	PAD94C15916	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/27/87	7.4	764	346.54	1.027
6337	CAS-05641	PAD94C16293	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	773	350.63	0.939
6337	CAS-05648	PAD94C16802	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	743	337.02	0.898
6337	CAS-05649	PAD94C16803	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	746	338.38	0.902
6337	CAS-05676	PAD94C18515	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	719	326.13	0.864
6338	CAS-05760	PAD94C18488	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/29/87	7.4	715	324.32	0.859
Totals	56					414.4	41618	18878	50

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	2	1-270-441-6211	001754528 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Specialty Transport Inc.
U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 20 MBq, Fissile Excepted	22	DF	6624	K	
X	2. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 26 MBq, Fissile Excepted	32	DM	8520	K	
	3.					
	4.					

14. Special Handling Instructions and Additional Information PROS 104 Truck# 8087 Trailer# 7321 TIO# 0008227
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 8/7/1986
If undeliverable, return to generator
Shipment ID: 6202-15-0016

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Marie on behalf of USDOE
Signature: Carrie A Marie
Month 11 Day 09 Year 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: DANNY Hicks
Signature:
Month 11 Day 12 Year 07

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

RECEIVED NOV 26 2007 BY

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132	H132		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. Gardner
Signature:
Month 11 Day 12 Year 07

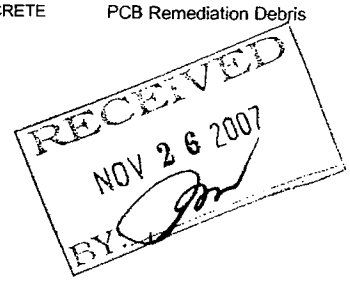
EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754528 JJK
Shipment ID Number: 6202-15-0016
Shipment Date: 11/9/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
3966	CAS-02895	PAD94C25682	GRAVEL	PCB Remediation Debris	08/07/86	7.4	709	321.60	0.850
3966	CAS-02943	PAD94C25269	GRAVEL	PCB Remediation Debris	08/07/86	7.4	762	345.64	0.924
3966	CAS-02966	PAD94C25704	GRAVEL	PCB Remediation Debris	08/07/86	7.4	802	363.78	0.980
3969	CAS-03267	PAD94C25285	GRAVEL	PCB Remediation Debris	08/14/86	7.4	801	363.33	0.978
3969	CAS-03295	PAD94C21648	GRAVEL	PCB Remediation Debris	08/14/86	7.4	812	368.32	0.994
3969	CAS-03301	PAD94C21658	GRAVEL	PCB Remediation Debris	08/14/86	7.4	773	350.63	0.939
3969	CAS-03328	PAD94C18711	GRAVEL	PCB Remediation Debris	08/14/86	7.4	784	355.61	0.955
3969	CAS-03332	PAD94C18737	GRAVEL	PCB Remediation Debris	08/14/86	7.4	774	351.08	0.941
3969	CAS-03338	PAD94C18656	GRAVEL	PCB Remediation Debris	08/14/86	7.4	723	327.95	0.870
4139	CAS-03570	PAD94C18655	CONCRETE	PCB Remediation Debris	08/27/86	7.4	820	371.94	1.005
3972	CAS-03624	PAD94C18708	CONCRETE	PCB Remediation Debris	09/02/86	7.4	743	337.02	0.898
3972	CAS-03642	PAD94C22751	CONCRETE	PCB Remediation Debris	09/02/86	7.4	795	360.60	0.970
3972	CAS-03643	PAD94C22775	CONCRETE	PCB Remediation Debris	09/02/86	7.4	742	336.56	0.896
3944	CAS-04412	PAD94C21647	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	741	336.11	0.895
3945	CAS-04445	PAD94C18684	CONTAMINATED CONCRETE	PCB Remediation Debris	10/07/87	7.4	698	316.61	0.835
3946	CAS-04485	PAD94C18738	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	808	366.50	0.988
3946	CAS-04514	PAD94C22750	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	816	370.13	0.999
3947	CAS-04542	PAD94C22771	CONTAMINATED CONCRETE	PCB Remediation Debris	10/09/87	7.4	665	301.64	0.789
3947	CAS-04553	PAD94C22754	CONTAMINATED CONCRETE	PCB Remediation Debris	10/09/87	7.4	660	299.37	0.782
3948	CAS-04567	PAD94C22770	CONTAMINATE CONCRETE	PCB Remediation Debris	10/12/87	7.4	753	341.55	0.912
3948	CAS-04568	PAD94C22778	CONTAMINATE CONCRETE	PCB Remediation Debris	10/12/87	7.4	815	369.68	0.998
3948	CAS-04569	PAD94C22774	CONTAMINATE CONCRETE	PCB Remediation Debris	10/12/87	7.4	786	356.52	0.958
5605	CAS-06536	PAD94C16876	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06545	PAD94C16621	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06546	PAD94C16560	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06547	PAD94C16622	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06548	PAD94C16561	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5606	CAS-06632	PAD94C16728	CONCRETE	PCB Remediation Debris	10/04/88	7.4	693	314.34	0.776
5607	CAS-06685	PAD94C16488	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06686	PAD94C16489	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06687	PAD94C16429	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06688	PAD94C16428	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06701	PAD94C16887	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06718	PAD94C16737	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5608	CAS-06813	PAD94C16830	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06814	PAD94C16770	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06815	PAD94C16831	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06816	PAD94C16771	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5612	CAS-07036	PAD94C16826	CONCRETE	PCB Remediation Debris	10/11/88	7.4	715	324.32	0.807
5612	CAS-07037	PAD94C16767	CONCRETE	PCB Remediation Debris	10/11/88	7.4	715	324.32	0.807
5612	CAS-07038	PAD94C16827	CONCRETE	PCB Remediation Debris	10/11/88	7.4	715	324.32	0.807
5612	CAS-07039	PAD94C16766	CONCRETE	PCB Remediation Debris	10/11/88	7.4	715	324.32	0.807
6461	CAS-07656	PAD94C18740	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	699	317.06	0.785
6461	CAS-07657	PAD94C18713	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	699	317.06	0.785
6461	CAS-07658	PAD94C18739	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	699	317.06	0.785
6461	CAS-07659	PAD94C18710	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	699	317.06	0.785
6461	CAS-07680	PAD94C25271	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	680	308.44	0.758
6461	CAS-07681	PAD94C25287	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	680	308.44	0.758
6461	CAS-07682	PAD94C25270	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	680	308.44	0.758
6461	CAS-07683	PAD94C25286	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	680	308.44	0.758
6461	CAS-07688	PAD94C25314	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	680	308.44	0.758
6461	CAS-07689	PAD94C25315	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	680	308.44	0.758
6461	CAS-07690	PAD94C25298	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	680	308.44	0.758
6461	CAS-07691	PAD94C25299	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	680	308.44	0.758
	Totals	**54**				**399.6**	**39918**	**18106**	**46.5**



Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754529 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Hittman Transport Services
U.S. EPA ID Number
TND987783065

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number
UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 4 MBq, Fissile Excepted	4	DF	1170	K	
X	2. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 39 MBq, Fissile Excepted	50	DM	12735	K	
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck# 012 Trailer# W45252 TID# 0008292
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 8/14/1986
If undeliverable, return to generator
Shipment ID: 6202-15-0017

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David R DeLaCruz on behalf of US DOE
Signature: David R DeLaCruz
Month: 11 Day: 5 Year: 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: DONALD C McPETERS
Signature: Donald C McPeters
Month: 11 Day: 05 Year: 07

Transporter 2 Printed/Typed Name
Signature
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

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BY:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132	H132		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name
Signature
Month: Day: Year:

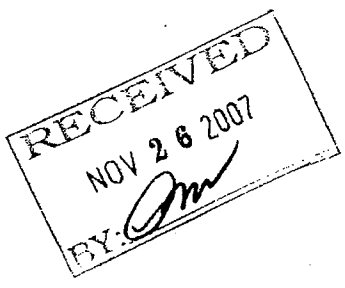
EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754529 JJK
Shipment ID Number: 6202-15-0017
Shipment Date: 11/5/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
108598	108598-01	PAD05C06693	CINDER BLOCKS	PCB Remediation Debris	11/04/04	11.4	424	192.32	0.479
108598	108598-02	PAD05C06695	CINDER BLOCKS	PCB Remediation Debris	11/04/04	11.4	435	197.31	0.495
3969	CAS-03323	PAD94C21651	GRAVEL	PCB Remediation Debris	08/14/86	7.4	808	366.50	0.988
3944	CAS-04391	PAD94C21662	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	775	351.53	0.942
3944	CAS-04396	PAD94C21661	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	758	343.82	0.919
3944	CAS-04414	PAD94C21652	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	634	287.58	0.746
5605	CAS-06477	PAD94C16592	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06478	PAD94C16591	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06479	PAD94C16531	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06480	PAD94C16530	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06489	PAD94C16424	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06490	PAD94C16425	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06491	PAD94C16484	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06492	PAD94C16485	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06521	PAD94C16884	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06522	PAD94C16885	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06523	PAD94C16944	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06524	PAD94C16945	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06537	PAD94C16769	CONCRETE	PCB Remediation Debris	10/03/88	7.4	621	281.68	0.676
5605	CAS-06538	PAD94C16829	CONCRETE	PCB Remediation Debris	10/03/88	7.4	621	281.68	0.676
5605	CAS-06539	PAD94C16768	CONCRETE	PCB Remediation Debris	10/03/88	7.4	621	281.68	0.676
5605	CAS-06540	PAD94C16828	CONCRETE	PCB Remediation Debris	10/03/88	7.4	621	281.68	0.676
5605	CAS-06561	PAD94C16557	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06562	PAD94C16618	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06563	PAD94C16556	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06564	PAD94C16617	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5606	CAS-06613	PAD94C16545	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06614	PAD94C16606	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06615	PAD94C16544	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06616	PAD94C16605	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06621	PAD94C16525	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06622	PAD94C16586	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06623	PAD94C16524	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06624	PAD94C16585	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5607	CAS-06657	PAD94C16492	CONCRETE	PCB Remediation Debris	10/05/88	7.4	693	314.34	0.776
5607	CAS-06658	PAD94C16432	CONCRETE	PCB Remediation Debris	10/05/88	7.4	693	314.34	0.776
5607	CAS-06659	PAD94C16493	CONCRETE	PCB Remediation Debris	10/05/88	7.4	693	314.34	0.776
5607	CAS-06660	PAD94C16433	CONCRETE	PCB Remediation Debris	10/05/88	7.4	693	314.34	0.776
5607	CAS-06709	PAD94C18034	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06710	PAD94C17974	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06711	PAD94C18035	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06712	PAD94C17975	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06729	PAD94C17248	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06730	PAD94C17308	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06731	PAD94C17247	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06732	PAD94C17307	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06741	PAD94C16889	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06742	PAD94C16949	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06743	PAD94C16888	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06744	PAD94C16948	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5608	CAS-06789	PAD94C16976	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06790	PAD94C16916	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06791	PAD94C16977	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06818	PAD94C16890	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
	Totals	**54**				**407.6**	**37738**	**17118**	**43**



Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: KY 8890008982
2. Page 1 of: 2
3. Emergency Response Phone: 1-270-441-6211
4. Manifest Tracking Number: 001754531 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc.
U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone:
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 42 MBq, Fissile Excepted	44	DF	13719	K	
X	2. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 7 MBq, Fissile Excepted	9	DM	2368	K	
	3.					
	4.					

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PADUCAH REMEDIATION SERVICES

14. Special Handling Instructions and Additional Information
Truck # 337 Trailer # 7235 TID # 0913038
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 10/5/1987
If undeliverable, return to generator
Shipment ID: 6202-15-0019

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name | Signature | Month 11 | Day 16 | Year 07

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: DON MONDAY | Signature: Don Monday | Month 11 | Day 16 | Year 07

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:

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BY

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132	4122		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month 1 | Day 17 | Year 12

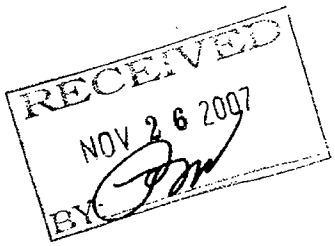
EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754531 JJK
Shipment ID Number: 6202-15-0019
Shipment Date: 11/16/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
3943	CAS-04349	PAD94C18451	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	683	309.80	0.814
3943	CAS-04352	PAD94C18452	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	717	325.22	0.861
3944	CAS-04375	PAD94C21823	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	712	322.96	0.854
3945	CAS-04436	PAD94C18424	CONTAMINATED CONCRETE	PCB Remediation Debris	10/07/87	7.4	741	336.11	0.895
6329	CAS-04906	PAD94C18415	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/19/87	7.4	780	353.80	0.949
6329	CAS-04918	PAD94C18407	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/19/87	7.4	817	370.58	1.001
6327	CAS-05026	PAD94C18403	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	820	371.94	1.005
6327	CAS-05038	PAD94C18396	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	785	356.07	0.956
6327	CAS-05049	PAD94C18388	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	814	369.22	0.997
6327	CAS-05069	PAD94C18367	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	787	356.98	0.959
6331	CAS-05218	PAD94C18351	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	841	381.47	1.034
6331	CAS-05223	PAD94C18327	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	857	388.73	1.057
6332	CAS-05237	PAD94C18423	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	811	367.86	0.992
6332	CAS-05274	PAD94C18328	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	863	391.45	1.065
6332	CAS-05284	PAD94C18379	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	873	395.98	1.079
6332	CAS-05290	PAD94C18416	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	854	387.37	1.052
6332	CAS-05306	PAD94C18408	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	807	366.05	0.987
6332	CAS-05323	PAD94C18395	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	864	391.90	1.066
6332	CAS-05324	PAD94C18368	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	840	381.02	1.033
6333	CAS-05330	PAD94C18391	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	821	372.40	1.006
6333	CAS-05331	PAD94C18384	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	828	375.57	1.016
6333	CAS-05333	PAD94C18344	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	804	364.69	0.983
6333	CAS-05337	PAD94C18372	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	802	363.78	0.980
6333	CAS-05339	PAD94C18348	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	781	354.25	0.951
6333	CAS-05362	PAD94C18387	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	748	339.29	0.905
6333	CAS-05366	PAD94C18375	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	764	346.54	0.927
6333	CAS-05394	PAD94C18380	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	723	327.95	0.870
6333	CAS-05396	PAD94C18404	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	774	351.08	0.941
6333	CAS-05424	PAD94C18343	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	742	336.56	0.896
6333	CAS-05431	PAD94C18419	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	857	388.73	1.057
6334	CAS-05444	PAD94C18392	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/26/87	7.4	708	321.14	0.849
6334	CAS-05504	PAD94C18319	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/26/87	7.4	694	314.79	0.829
6336	CAS-05597	PAD94C18347	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/27/87	7.4	747	338.83	0.903
6336	CAS-05600	PAD94C18323	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/27/87	7.4	709	321.60	0.850
6337	CAS-05638	PAD94C18352	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	782	354.71	0.952
6337	CAS-05639	PAD94C18412	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	777	352.44	0.945
6337	CAS-05643	PAD94C18371	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	767	347.90	0.931
6337	CAS-05645	PAD94C18400	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	788	357.43	0.960
6337	CAS-05664	PAD94C18399	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	817	370.58	1.001
6338	CAS-05738	PAD94C18324	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/29/87	7.4	772	350.17	0.938
6340	CAS-05879	PAD94C18320	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	11/02/87	7.4	809	366.95	0.990
6340	CAS-05882	PAD94C18420	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	11/02/87	7.4	802	363.78	0.980
6340	CAS-05884	PAD94C18411	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	11/02/87	7.4	826	374.67	1.013
6345	CAS-06134	PAD94C18383	PCB CONTAMINATED CONCRETE	PCB Remediation Debris	12/07/87	7.4	693	314.34	0.828
5607	CAS-06716	PAD94C16693	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5612	CAS-07020	PAD94C18337	CONCRETE	PCB Remediation Debris	10/12/88	7.4	715	324.32	0.807
5612	CAS-07021	PAD94C18361	CONCRETE	PCB Remediation Debris	10/12/88	7.4	715	324.32	0.807
5612	CAS-07022	PAD94C18338	CONCRETE	PCB Remediation Debris	10/12/88	7.4	715	324.32	0.807
5612	CAS-07023	PAD94C18362	CONCRETE	PCB Remediation Debris	10/12/88	7.4	715	324.32	0.807
6461	CAS-07652	PAD94C18342	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	699	317.06	0.785
6461	CAS-07653	PAD94C18318	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	699	317.06	0.785
6461	CAS-07654	PAD94C18339	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	699	317.06	0.785
6461	CAS-07655	PAD94C18317	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	699	317.06	0.785



Totals	53				392.2	41042	18616	49

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754532 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 49 MBq, Fissile Excepted	52	DF	15801	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck# 033 Trailer# 436874 TIP# [illegible]
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info [illegible]
PCB Start Date: 8/6/1986
If undeliverable, return to generator
Shipment ID: 6202-15-0020

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: [illegible] for US DOE — Signature: [signature] — Month 11 Day 12 Year 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Brian Brown — Signature: [signature] — Month 11 Day 12 Year 07
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED NOV 26 2007 BY: [signature]

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J [illegible] — Signature: [signature] — Month Day Year

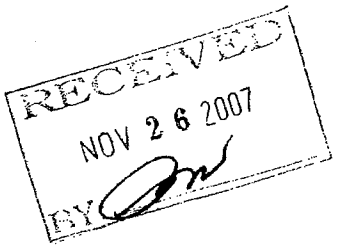
EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754532 JJK
Shipment ID Number: 6202-15-0020
Shipment Date: 11/12/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
92047	CAS-02787	PAD94C15590	CONCRETE	PCB Remediation Debris	09/12/86	7.4	600	272.15	0.698
119	CAS-02811	PAD94C18100	CONCRETE	PCB Remediation Debris	08/06/86	7.4	660	299.37	0.782
3968	CAS-03196	PAD94C16090	GRAVEL	PCB Remediation Debris	08/11/86	7.4	795	360.60	0.970
3968	CAS-03212	PAD94C16058	GRAVEL	PCB Remediation Debris	08/11/86	7.4	845	383.28	1.040
3969	CAS-03340	PAD94C15591	GRAVEL	PCB Remediation Debris	08/14/86	7.4	747	338.83	0.903
4139	CAS-03545	PAD94C15449	CONCRETE	PCB Remediation Debris	08/27/86	7.4	783	355.16	0.953
4139	CAS-03547	PAD94C15834	CONCRETE	PCB Remediation Debris	08/27/86	7.4	788	357.43	0.960
4139	CAS-03548	PAD94C15832	CONCRETE	PCB Remediation Debris	08/27/86	7.4	677	307.08	0.806
4140	CAS-03610	PAD94C15616	CONCRETE	PCB Remediation Debris	08/28/86	7.4	704	319.33	0.843
3972	CAS-03636	PAD94C15835	CONCRETE	PCB Remediation Debris	09/02/86	7.4	759	344.27	0.920
3940	CAS-04171	PAD94C15823	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	713	323.41	0.856
3942	CAS-04304	PAD94C15833	CONTAMINATED CONCRETE	PCB Remediation Debris	10/01/87	7.4	649	294.38	0.767
3943	CAS-04311	PAD94C15822	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	731	331.57	0.881
3943	CAS-04319	PAD94C15588	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	662	300.28	0.785
3944	CAS-04397	PAD94C15621	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	718	325.68	0.863
3946	CAS-04479	PAD94C15618	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	685	310.71	0.817
3948	CAS-04565	PAD94C15448	CONTAMINATE CONCRETE	PCB Remediation Debris	10/12/87	7.4	632	286.67	0.743
3949	CAS-04575	PAD94C15447	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/12/87	7.4	809	366.95	0.990
3949	CAS-04628	PAD94C15450	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/12/87	7.4	780	353.80	0.949
3950	CAS-04676	PAD94C16065	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/13/87	7.4	787	356.98	0.959
3950	CAS-04699	PAD94C15595	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/13/87	7.4	816	370.13	0.999
6326	CAS-04711	PAD94C15589	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	781	354.25	0.951
6326	CAS-04734	PAD94C15617	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	820	371.94	1.005
6326	CAS-04751	PAD94C16096	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	801	363.33	0.978
6329	CAS-04897	PAD94C15586	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/19/87	7.4	705	319.78	0.845
6329	CAS-04902	PAD94C15490	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/19/87	7.4	703	318.87	0.842
6329	CAS-04905	PAD94C16095	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/19/87	7.4	777	352.44	0.945
6329	CAS-04912	PAD94C15619	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/19/87	7.4	823	373.30	1.009
6329	CAS-04915	PAD94C15587	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/19/87	7.4	785	356.07	0.956
6327	CAS-05042	PAD94C15776	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	807	366.05	0.987
6327	CAS-05047	PAD94C15615	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	766	347.45	0.930
6327	CAS-05095	PAD94C16063	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	848	384.64	1.044
6331	CAS-05209	PAD94C15627	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	756	342.91	0.916
6332	CAS-05247	PAD94C15808	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	786	356.52	0.958
6332	CAS-05267	PAD94C15624	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	855	387.82	1.054
6332	CAS-05303	PAD94C15614	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	825	374.21	1.012
6332	CAS-05313	PAD94C15625	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	828	375.57	1.016
6333	CAS-05359	PAD94C15598	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	802	363.78	0.980
6333	CAS-05360	PAD94C15491	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	855	387.82	1.054
6333	CAS-05367	PAD94C15475	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	758	343.82	0.919
6333	CAS-05368	PAD94C15599	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	765	347.00	0.928
6333	CAS-05409	PAD94C15474	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	733	332.48	0.884
6333	CAS-05428	PAD94C15585	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	833	377.84	1.023
6333	CAS-05439	PAD94C15612	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	865	392.36	1.068
6334	CAS-05458	PAD94C15613	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/26/87	7.4	812	368.32	0.994
6334	CAS-05461	PAD94C15626	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/26/87	7.4	831	376.93	1.020
6336	CAS-05553	PAD94C15777	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/27/87	7.4	759	344.27	0.920
6338	CAS-05729	PAD94C15584	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/29/87	7.4	780	353.80	0.949
6338	CAS-05737	PAD94C15623	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/29/87	7.4	813	368.77	0.995
6338	CAS-05743	PAD94C15596	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/29/87	7.4	791	358.79	0.965
6338	CAS-05759	PAD94C15809	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/29/87	7.4	759	344.27	0.920
6340	CAS-05885	PAD94C15597	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	11/02/87	7.4	822	372.85	1.008



Totals	52								
						384.8	39984	18136	49

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754533 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 49 MBq, Fissile Excepted	56	DF	15946	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information Truck# 012 Trailer# U84048 TID# [illegible]
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 8/7/1986
If undeliverable, return to generator
Shipment ID: 6202-15-0021

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: [illegible] — Signature: [illegible] — Month 11 Day 12 Year 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Donald C McJeters — Signature: [illegible] — Month 11 Day 12 Year 07
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED NOV 26 2007 BY: [signature]

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H124			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee — Signature: [illegible] — Month 11 Day 15 Year 07

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754533 JJK
Shipment ID Number: 6202-15-0021
Shipment Date: 11/12/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
3966	CAS-02926	PAD94C15524	GRAVEL	PCB Remediation Debris	08/07/86	7.4	774	351.08	0.941
3966	CAS-02976	PAD94C15525	GRAVEL	PCB Remediation Debris	08/07/86	7.4	790	358.34	0.963
3968	CAS-03242	PAD94C15500	GRAVEL	PCB Remediation Debris	08/11/86	7.4	888	402.79	1.100
3968	CAS-03253	PAD94C15581	GRAVEL	PCB Remediation Debris	08/11/86	7.4	766	347.45	0.930
3969	CAS-03304	PAD94C15498	GRAVEL	PCB Remediation Debris	08/14/86	7.4	768	348.36	0.932
3969	CAS-03318	PAD94C15523	GRAVEL	PCB Remediation Debris	08/14/86	7.4	801	363.33	0.978
3969	CAS-03319	PAD94C15499	GRAVEL	PCB Remediation Debris	08/14/86	7.4	786	356.52	0.958
3969	CAS-03320	PAD94C15522	GRAVEL	PCB Remediation Debris	08/14/86	7.4	807	366.05	0.987
4139	CAS-03546	PAD94C15797	CONCRETE	PCB Remediation Debris	08/27/86	7.4	783	355.16	0.953
4140	CAS-03585	PAD94C15600	CONCRETE	PCB Remediation Debris	08/28/86	7.4	744	337.47	0.899
4140	CAS-03592	PAD94C15580	CONCRETE	PCB Remediation Debris	08/28/86	7.4	791	358.79	0.965
3940	CAS-04154	PAD94C15762	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	647	293.47	0.764
3940	CAS-04157	PAD94C15775	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	785	356.07	0.956
3940	CAS-04158	PAD94C15807	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	765	347.00	0.928
3940	CAS-04161	PAD94C15464	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	775	351.53	0.942
3940	CAS-04180	PAD94C15774	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	763	346.09	0.925
3940	CAS-04183	PAD94C15790	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	254	115.21	0.216
3940	CAS-04186	PAD94C15789	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	685	310.71	0.817
3940	CAS-04219	PAD94C15791	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	561	254.46	0.644
3940	CAS-04225	PAD94C15788	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	612	277.60	0.715
3940	CAS-04226	PAD94C15755	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	700	317.51	0.838
3941	CAS-04237	PAD94C15764	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	612	277.60	0.715
3941	CAS-04253	PAD94C15463	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	539	244.49	0.613
3941	CAS-04255	PAD94C15848	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	652	295.74	0.771
3941	CAS-04256	PAD94C15849	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	639	289.84	0.753
3941	CAS-04265	PAD94C15763	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	594	269.43	0.690
3941	CAS-04286	PAD94C15792	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	772	350.17	0.938
3941	CAS-04290	PAD94C15794	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	753	341.55	0.912
3943	CAS-04312	PAD94C15758	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	741	336.11	0.895
3943	CAS-04314	PAD94C15806	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	579	262.63	0.669
3943	CAS-04318	PAD94C15787	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	745	337.92	0.900
3943	CAS-04324	PAD94C15796	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	734	332.94	0.885
3944	CAS-04394	PAD94C15609	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	588	266.71	0.682
3944	CAS-04401	PAD94C15601	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	581	263.54	0.672
3944	CAS-04403	PAD94C15572	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	712	322.96	0.854
3946	CAS-04489	PAD94C15573	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	789	357.88	0.962
3946	CAS-04491	PAD94C15610	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	813	368.77	0.995
3946	CAS-04499	PAD94C15497	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	827	375.12	1.015
3946	CAS-04500	PAD94C15520	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	813	368.77	0.995
3946	CAS-04508	PAD94C15496	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	672	304.81	0.799
3946	CAS-04509	PAD94C15521	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	797	361.51	0.973
3947	CAS-04526	PAD94C15770	CONTAMINATED CONCRETE	PCB Remediation Debris	10/09/87	7.4	760	344.73	0.921
3947	CAS-04548	PAD94C15771	CONTAMINATED CONCRETE	PCB Remediation Debris	10/09/87	7.4	718	325.68	0.863
3948	CAS-04564	PAD94C15765	CONTAMINATE CONCRETE	PCB Remediation Debris	10/12/87	7.4	754	342.01	0.913
6326	CAS-04712	PAD94C15761	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	796	361.06	0.971
6326	CAS-04731	PAD94C15802	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	781	354.25	0.951
6326	CAS-04732	PAD94C15803	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	782	354.71	0.952
6326	CAS-04759	PAD94C15757	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	839	380.56	1.031
6326	CAS-04760	PAD94C15759	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	810	367.41	0.991
6326	CAS-04762	PAD94C15756	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	815	369.68	0.998
6326	CAS-04763	PAD94C15760	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	655	297.10	0.775
6326	CAS-04766	PAD94C15795	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	807	366.05	0.987
6326	CAS-04791	PAD94C15754	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	787	356.98	0.959
6326	CAS-04792	PAD94C15793	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	791	358.79	0.965
6326	CAS-04793	PAD94C15786	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	774	351.08	0.941
6339	CAS-05774	PAD94C15622	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/30/87	7.4	632	286.67	0.743
Totals	**56**					**414.4**	**40698**	**18460**	**49**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754535 JJK

GENERATOR

5. Generator's Name and Mailing Address

U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)

U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address

EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155

U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 50 MBq, Fissile Excepted	55	DF	16210	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

Truck # 226-B Trailer # 83507 TID # 0019008

For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info

PCB Start Date: 7/18/1986
If undeliverable, return to generator
Shipment ID: 6202-15-0023

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of US DOE — Signature: Carrie Maxie — Month: 11 Day: 16 Year: 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: DENNIS GOLLIHER — Signature: Dennis Golliher — Month: 11 Day: 16 Year: 07

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

RECEIVED
NOV 26 2007
BY:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. Gardner — Signature — Month: 11 Day: 19 Year: 07

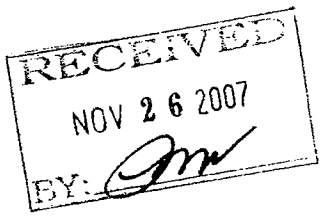
EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754535 JJK
Shipment ID Number: 6202-15-0023
Shipment Date: 11/16/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
115	CAS-02721	PAD94C17196	CONCRETE	PCB Remediation Debris	07/18/86	7.4	730	331.12	0.879
119	CAS-02842	PAD94C17621	CONCRETE	PCB Remediation Debris	08/06/86	7.4	597	270.79	0.694
3967	CAS-03104	PAD94C17652	GRAVEL	PCB Remediation Debris	08/08/86	7.4	830	376.48	1.019
4139	CAS-03551	PAD94C15443	CONCRETE	PCB Remediation Debris	08/27/86	7.4	747	338.83	0.903
3972	CAS-03630	PAD94C22727	CONCRETE	PCB Remediation Debris	09/02/86	7.4	708	321.14	0.849
3972	CAS-03634	PAD94C22535	CONCRETE	PCB Remediation Debris	09/02/86	7.4	661	299.82	0.783
3940	CAS-04160	PAD94C15922	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	718	325.68	0.863
3940	CAS-04168	PAD94C15837	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	684	310.26	0.815
3940	CAS-04169	PAD94C15452	CONTAMINATED CONCRETE	PCB Remediation Debris	09/24/87	7.4	641	290.75	0.755
3940	CAS-04170	PAD94C15838	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	668	303.00	0.793
3940	CAS-04172	PAD94C15451	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	781	354.25	0.951
3940	CAS-04184	PAD94C15440	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	636	288.48	0.748
3940	CAS-04203	PAD94C15966	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	527	239.04	0.597
3940	CAS-04217	PAD94C15439	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	620	281.23	0.726
3940	CAS-04221	PAD94C15943	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	582	263.99	0.673
3941	CAS-04267	PAD94C15824	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	575	260.81	0.663
3941	CAS-04268	PAD94C15444	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	518	234.96	0.584
3941	CAS-04285	PAD94C22624	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	785	356.07	0.956
3943	CAS-04355	PAD94C22698	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	734	332.94	0.885
3943	CAS-04357	PAD94C15829	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	581	263.54	0.672
3943	CAS-04362	PAD94C15920	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	753	341.55	0.912
3943	CAS-04363	PAD94C15828	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	706	320.23	0.846
3947	CAS-04527	PAD94C15453	CONTAMINATED CONCRETE	PCB Remediation Debris	10/09/87	7.4	693	314.34	0.828
3949	CAS-04579	PAD94C15446	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/12/87	7.4	840	381.02	1.033
3949	CAS-04580	PAD94C15445	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/12/87	7.4	846	383.74	1.041
3949	CAS-04612	PAD94C15830	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/12/87	7.4	816	370.13	0.999
3949	CAS-04627	PAD94C15831	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/12/87	7.4	841	381.47	1.034
6326	CAS-04713	PAD94C15839	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	818	371.04	1.002
6326	CAS-04714	PAD94C15454	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	811	367.86	0.992
6326	CAS-04777	PAD94C15836	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	828	375.57	1.016
6326	CAS-04794	PAD94C15825	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	760	344.73	0.921
6327	CAS-05074	PAD94C15461	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	792	359.24	0.966
6327	CAS-05077	PAD94C15462	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	808	366.50	0.988
6331	CAS-05191	PAD94C15455	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	778	352.89	0.946
6331	CAS-05216	PAD94C15826	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	835	378.75	1.026
6331	CAS-05221	PAD94C15456	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	842	381.92	1.036
6331	CAS-05222	PAD94C15847	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	856	388.27	1.055
6332	CAS-05231	PAD94C15842	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	776	351.99	0.944
6332	CAS-05279	PAD94C15841	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	834	378.29	1.024
6332	CAS-05315	PAD94C15441	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	817	370.58	1.001
6332	CAS-05316	PAD94C15827	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	792	359.24	0.966
6332	CAS-05322	PAD94C15845	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	838	380.11	1.030
6333	CAS-05338	PAD94C16039	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	819	371.49	1.004
6333	CAS-05425	PAD94C15442	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	751	340.65	0.909
6334	CAS-05452	PAD94C16040	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/26/87	7.4	702	318.42	0.840
6334	CAS-05543	PAD94C15840	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/26/87	7.4	806	365.59	0.985
6336	CAS-05598	PAD94C15981	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/27/87	7.4	704	319.33	0.843
6337	CAS-05671	PAD94C15460	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	747	338.83	0.903
6337	CAS-05690	PAD94C15459	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	830	376.48	1.019
6337	CAS-05691	PAD94C15458	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	810	367.41	0.991
6337	CAS-05692	PAD94C15846	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	801	363.33	0.978
6338	CAS-05741	PAD94C15982	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/29/87	7.4	799	362.42	0.976
6340	CAS-05886	PAD94C15457	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	11/02/87	7.4	809	366.95	0.990
6340	CAS-05888	PAD94C15843	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	11/02/87	7.4	789	357.88	0.962
6340	CAS-05889	PAD94C15844	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	11/02/87	7.4	813	368.77	0.995



Totals	55					407	41183	18680	50

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	2	1-270-441-6211	001754581 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 10 MBq, Fissile Excepted	11	DF	3364	K	
X	2. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 35 MBq, Fissile Excepted	40	DM	11303	K	
	3.					
	4.					

RECEIVED
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PRS/H-1002
PADUCAH REMEDIATION SERVICES

14. Special Handling Instructions and Additional Information
Truck: 331-18 Trailer: U35199 ID: C8N1045
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 10/1/1987
If undeliverable, return to generator
Shipment ID: 6202-15-0024

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Carrie Morris on behalf of USDOE	[signature]	11	26	07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Transporter 1: JERRY DOLLINGER	[signature]	11	26	07
Transporter 2:				

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132	H132		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year
J. Gardner	[signature]	11	29	07

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754581 JJK
Shipment ID Number: 6202-15-0024
Shipment Date: 11/26/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
3942	CAS-04297	PAD94C16236	CONTAMINATED CONCRETE	PCB Remediation Debris	10/01/87	7.4	674	305.72	0.801
3947	CAS-04557	PAD94C16235	CONTAMINATED CONCRETE	PCB Remediation Debris	10/09/87	7.4	808	366.50	0.988
3947	CAS-04559	PAD94C16268	CONTAMINATED CONCRETE	PCB Remediation Debris	10/09/87	7.4	679	307.99	0.808
3948	CAS-04573	PAD94C16267	CONTAMINATE CONCRETE	PCB Remediation Debris	10/12/87	7.4	693	314.34	0.828
6327	CAS-05030	PAD94C15879	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	783	355.16	0.953
6327	CAS-05068	PAD94C16203	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	791	358.79	0.965
6331	CAS-05167	PAD94C15912	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	778	352.89	0.946
6332	CAS-05250	PAD94C15880	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	781	354.25	0.951
6332	CAS-05325	PAD94C16204	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	853	386.91	1.051
6345	CAS-06131	PAD94C16171	PCB CONTAMINATED CONCRETE	PCB Remediation Debris	12/07/87	7.4	969	439.53	1.213
6345	CAS-06132	PAD94C16172	PCB CONTAMINATED CONCRETE	PCB Remediation Debris	12/07/87	7.4	697	316.15	0.834
5605	CAS-06485	PAD94C16969	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06486	PAD94C16968	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06487	PAD94C16909	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06488	PAD94C16908	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06497	PAD94C16776	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06498	PAD94C16777	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06499	PAD94C16836	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06500	PAD94C16837	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06501	PAD94C16840	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06502	PAD94C16780	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06503	PAD94C16841	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06504	PAD94C16781	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5607	CAS-06665	PAD94C16732	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06666	PAD94C16673	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06667	PAD94C16733	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06668	PAD94C16674	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06669	PAD94C16929	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06670	PAD94C16989	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06671	PAD94C16928	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06672	PAD94C16988	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06693	PAD94C16925	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06694	PAD94C16985	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06695	PAD94C16924	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06696	PAD94C16984	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06697	PAD94C16724	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06698	PAD94C16725	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06699	PAD94C16665	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06700	PAD94C16666	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06733	PAD94C16972	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06734	PAD94C16912	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06735	PAD94C16973	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06736	PAD94C16913	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5608	CAS-06777	PAD94C16789	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06778	PAD94C16849	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06779	PAD94C16788	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06780	PAD94C16848	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06785	PAD94C16921	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06786	PAD94C16981	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06787	PAD94C16920	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06788	PAD94C16980	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
	Totals	**51**				**377.4**	**38866**	**17629**	**45.1**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754537 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hillman Transport Services — U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep. Solid/Oxide, 51 MBq, Fissile Excepted	54	DF	16475	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck# 095-B Trailer# W45252 TID# 0019073
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 7/16/1986
If undeliverable, return to generator
Shipment ID: 6202-15-0025

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Connie Maxie on behalf of US DOE — Signature: [signature] — Month: 11 Day: 17 Year: 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: [illegible] — Signature: [signature] — Month: 11 Day: 19 Year: 07

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

RECEIVED
NOV 26 2007

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month — Day — Year

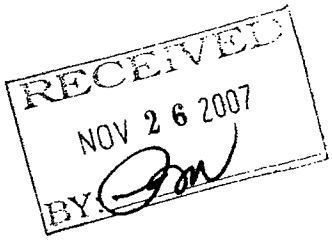
EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754537 JJK
Shipment ID Number: 6202-15-0025
Shipment Date: 11/17/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
3963	CAS-02677	PAD94C17044	CONCRETE	PCB Remediation Debris	07/16/86	7.4	673	305.27	0.800
115	CAS-02687	PAD94C17039	CONCRETE	PCB Remediation Debris	07/18/86	7.4	663	300.73	0.786
115	CAS-02688	PAD94C17559	CONCRETE	PCB Remediation Debris	07/18/86	7.4	613	278.05	0.716
116	CAS-02735	PAD94C18802	CONCRETE	PCB Remediation Debris	07/25/86	7.4	770	349.26	0.935
116	CAS-02749	PAD94C17646	CONCRETE	PCB Remediation Debris	07/25/86	7.4	900	408.23	1.116
119	CAS-02822	PAD94C17614	CONCRETE	PCB Remediation Debris	08/06/86	7.4	720	326.58	0.866
3966	CAS-02996	PAD94C18800	GRAVEL	PCB Remediation Debris	08/07/86	7.4	796	361.06	0.971
3967	CAS-03025	PAD94C17604	GRAVEL	PCB Remediation Debris	08/08/86	7.4	845	383.28	1.040
3967	CAS-03042	PAD94C16037	GRAVEL	PCB Remediation Debris	08/08/86	7.4	883	400.52	1.093
3967	CAS-03050	PAD94C17650	GRAVEL	PCB Remediation Debris	08/07/86	7.4	866	392.81	1.069
3967	CAS-03062	PAD94C17663	GRAVEL	PCB Remediation Debris	08/07/86	7.4	838	380.11	1.030
3967	CAS-03063	PAD94C17664	GRAVEL	PCB Remediation Debris	08/08/86	7.4	775	351.53	0.942
3967	CAS-03066	PAD94C17649	GRAVEL	PCB Remediation Debris	08/08/86	7.4	857	388.73	1.057
3967	CAS-03083	PAD94C17609	GRAVEL	PCB Remediation Debris	08/08/86	7.4	878	398.25	1.086
3967	CAS-03084	PAD94C17608	GRAVEL	PCB Remediation Debris	08/08/86	7.4	871	395.08	1.076
3967	CAS-03093	PAD94C17655	GRAVEL	PCB Remediation Debris	08/08/86	7.4	852	386.46	1.050
3967	CAS-03136	PAD94C17569	GRAVEL	PCB Remediation Debris	08/08/86	7.4	801	363.33	0.978
3968	CAS-03149	PAD94C17625	GRAVEL	PCB Remediation Debris	08/11/86	7.4	831	376.93	1.020
3968	CAS-03151	PAD94C17656	GRAVEL	PCB Remediation Debris	08/11/86	7.4	765	347.00	0.928
3968	CAS-03167	PAD94C17594	GRAVEL	PCB Remediation Debris	08/11/86	7.4	774	351.08	0.941
3968	CAS-03178	PAD94C17601	GRAVEL	PCB Remediation Debris	08/11/86	7.4	818	371.04	1.002
3968	CAS-03205	PAD94C16087	GRAVEL	PCB Remediation Debris	08/11/86	7.4	862	390.99	1.063
3968	CAS-03211	PAD94C18022	GRAVEL	PCB Remediation Debris	08/11/86	7.4	862	390.99	1.063
3968	CAS-03255	PAD94C15575	GRAVEL	PCB Remediation Debris	08/11/86	7.4	799	362.42	0.976
121	CAS-03396	PAD94C15804	CONCRETE	PCB Remediation Debris	08/21/86	7.4	469	212.73	0.516
4139	CAS-03550	PAD94C15891	CONCRETE	PCB Remediation Debris	08/27/86	7.4	729	330.67	0.878
4140	CAS-03586	PAD94C15604	CONCRETE	PCB Remediation Debris	08/28/86	7.4	789	357.88	0.962
4140	CAS-03588	PAD94C15574	CONCRETE	PCB Remediation Debris	08/28/86	7.4	717	325.22	0.861
3940	CAS-04163	PAD94C15772	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	715	324.32	0.859
3940	CAS-04216	PAD94C15859	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	584	264.90	0.676
3940	CAS-04224	PAD94C15435	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	729	330.67	0.878
3941	CAS-04246	PAD94C15436	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	726	329.31	0.874
3941	CAS-04247	PAD94C15892	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	678	307.53	0.807
3943	CAS-04361	PAD94C15860	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	719	326.13	0.864
3946	CAS-04453	PAD94C15603	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	850	385.55	1.047
3946	CAS-04461	PAD94C15605	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	737	334.30	0.889
3946	CAS-04483	PAD94C15577	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	682	309.35	0.813
3946	CAS-04484	PAD94C15576	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	776	351.99	0.944
3946	CAS-04492	PAD94C15602	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	672	304.81	0.799
3947	CAS-04530	PAD94C15805	CONTAMINATED CONCRETE	PCB Remediation Debris	10/09/87	7.4	711	322.50	0.853
3950	CAS-04692	PAD94C16108	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/13/87	7.4	837	379.65	1.029
3950	CAS-04698	PAD94C16139	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/13/87	7.4	854	387.37	1.052
3950	CAS-04705	PAD94C16140	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/13/87	7.4	835	378.75	1.026
6326	CAS-04776	PAD94C15820	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	819	371.49	1.004
6331	CAS-05184	PAD94C16075	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	791	358.79	0.965
6332	CAS-05246	PAD94C16043	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	786	356.52	0.958
6332	CAS-05300	PAD94C16085	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	829	376.03	1.017
6332	CAS-05301	PAD94C16053	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	828	375.57	1.016
6333	CAS-05392	PAD94C16086	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	760	344.73	0.921
6333	CAS-05408	PAD94C16054	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	750	340.19	0.907
6333	CAS-05423	PAD94C16109	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	645	292.57	0.761
6336	CAS-05550	PAD94C16044	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/27/87	7.4	752	341.10	0.910
6337	CAS-05647	PAD94C16106	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	794	360.15	0.969
6337	CAS-05700	PAD94C16076	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	792	359.24	0.966
	Totals	**54**				**399.6**	**41667**	**18900**	**51**



CERTIFICATE OF DISPOSAL

3 mi. S. Ext. 49, I-80 Clive, Utah
84029 EPA ID: UT982598898

DOE, PGDP/Paducah,

This Certificate acknowledges that the following manifested shipments:

Shipment	Manifest	Date(s) of Disposal	Cu/Ft	Process	Disposal Location
6202-15-0026	54538	12/5/2007, 1/24/2008,6/3/2008	884.1	Landfill	Mixed Waste
6202-15-0027	54539	12/5/2007, 1/24/2008,6/3/2008	853.3	Landfill	Mixed Waste
6202-15-0028	54540	12/21/2007,6/3/2008	753.2	Landfill	Mixed Waste
6202-15-0029	54541	12/21/2007, 6/3/2008	732.9	Landfill	Mixed Waste
6202-15-0030	54542	12/19/2007, 1/24/2008, 6/3/2008	890.4	Landfill	Mixed Waste
6202-15-0031	54543	12/11/2007, 1/24/2008, 6/3/2008	873.6	Landfill	Mixed Waste
6202-15-0032	54544	12/19/2007, 1/24/2008, 6/3/2008	907.2	Landfill	Mixed Waste
6202-15-0033	54545	12/19/2007, 12/20/2007, 1/18/2008, 6/3/2008	907.2	Landfill	Mixed Waste
6202-15-0034	54546	12/24/2007, 1/30/2008, 6/3/2008	885.5	Landfill	Mixed Waste
6202-15-0035	54547	12/11/2007, 1/24/2008, 1/30/2008, 6/3/2008	890.4	Landfill	Mixed Waste
6202-15-0036	54548	12/11/2007, 1/17/2008, 1/30/2008, 6/3/2008	840	Landfill	Mixed Waste

Representing 9417.8 Cubic feet of waste disposed of at EnergySolutions' above listed Disposal Facility landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse C. Garcia
Mixed Waste Site Manager

6/4/08
Date

423West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

JAN 13 2009

232-A / W49535

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754538 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5800 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ (PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 38 MBq, Fissile Excepted	42	DF	12276	K	
X	2. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ (PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 11 MBq, Fissile Excepted	15	DM	3718	K	
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck # 232-A Trailer # W49535 TID# 0019009
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 8/7/1986
If undeliverable, return to generator
Shipment ID: 6202-15-0026

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE — Signature: Carrie Maxie — Month 11 Day 17 Year 07

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Wilburn Dennis King Jr. — Signature: [signature] — Month 11 Day 17 Year 07
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED
NOV 26 2007
BY: [signature]

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. H132 3. [signature] 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name — Signature — Month Day Year

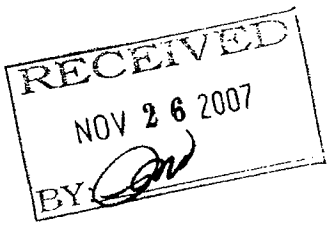
EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754538 JJK
Shipment ID Number: 6202-15-0026
Shipment Date: 11/17/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
3966	CAS-02950	PAD94C26623	GRAVEL	PCB Remediation Debris	08/07/86	7.4	823	373.30	1.009
3966	CAS-03002	PAD94C22428	GRAVEL	PCB Remediation Debris	08/07/86	7.4	814	369.22	0.997
3968	CAS-03185	PAD94C16200	GRAVEL	PCB Remediation Debris	08/11/86	7.4	863	391.45	1.065
3968	CAS-03210	PAD94C16199	GRAVEL	PCB Remediation Debris	08/11/86	7.4	855	387.82	1.054
3968	CAS-03216	PAD94C21255	GRAVEL	PCB Remediation Debris	08/11/86	7.4	837	379.65	1.029
3969	CAS-03298	PAD94C26611	GRAVEL	PCB Remediation Debris	08/14/86	7.4	797	361.51	0.973
3969	CAS-03353	PAD94C26160	GRAVEL	PCB Remediation Debris	08/14/86	7.4	812	368.32	0.994
3970	CAS-03513	PAD94C16230	CONCRETE	PCB Remediation Debris	08/26/86	7.4	724	328.40	0.871
3970	CAS-03533	PAD94C16231	CONCRETE	PCB Remediation Debris	08/26/86	7.4	768	348.36	0.932
3970	CAS-03539	PAD94C15905	CONCRETE	PCB Remediation Debris	08/26/86	7.4	749	339.74	0.906
4139	CAS-03544	PAD94C15900	CONCRETE	PCB Remediation Debris	08/27/86	7.4	719	326.13	0.864
4139	CAS-03569	PAD94C26583	CONCRETE	PCB Remediation Debris	08/27/86	7.4	801	363.33	0.978
4139	CAS-03574	PAD94C18537	CONCRETE	PCB Remediation Debris	08/27/86	7.4	686	311.16	0.818
4139	CAS-03576	PAD94C18540	CONCRETE	PCB Remediation Debris	08/27/86	7.4	785	356.07	0.956
4139	CAS-03580	PAD94C18589	CONCRETE	PCB Remediation Debris	08/27/86	7.4	792	359.24	0.966
3940	CAS-04193	PAD94C15873	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	219	99.34	0.167
3940	CAS-04194	PAD94C15874	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	173	78.47	0.103
3940	CAS-04210	PAD94C22683	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	635	288.03	0.747
3940	CAS-04213	PAD94C15906	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	295	133.81	0.273
3940	CAS-04233	PAD94C15895	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	746	338.38	0.902
3941	CAS-04288	PAD94C15903	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	767	347.90	0.931
3941	CAS-04295	PAD94C15896	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	761	345.18	0.923
3944	CAS-04366	PAD94C21251	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	722	327.49	0.868
3946	CAS-04466	PAD94C18590	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	787	356.98	0.959
3950	CAS-04661	PAD94C18531	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/13/87	7.4	800	362.87	0.977
3950	CAS-04667	PAD94C18504	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/13/87	7.4	772	350.17	0.938
6326	CAS-04738	PAD94C15904	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	818	371.04	1.002
6326	CAS-04769	PAD94C16175	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	850	385.55	1.047
6326	CAS-04786	PAD94C18492	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	812	368.32	0.994
6328	CAS-04803	PAD94C18520	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/16/87	7.4	814	369.22	0.997
6328	CAS-04804	PAD94C18519	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/16/87	7.4	817	370.58	1.001
6328	CAS-04805	PAD94C18491	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/16/87	7.4	801	363.33	0.978
6329	CAS-04904	PAD94C16176	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/19/87	7.4	771	349.72	0.937
6327	CAS-05048	PAD94C16207	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	718	325.68	0.863
6331	CAS-05174	PAD94C18527	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	729	330.67	0.878
6332	CAS-05305	PAD94C16208	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	820	371.94	1.005
6332	CAS-05309	PAD94C15899	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	839	380.56	1.031
6333	CAS-05405	PAD94C16177	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	741	336.11	0.895
6333	CAS-05440	PAD94C16178	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	778	352.89	0.946
6334	CAS-05459	PAD94C16209	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/26/87	7.4	834	378.29	1.024
6337	CAS-05687	PAD94C18503	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	800	362.87	0.977
6338	CAS-05724	PAD94C16210	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/29/87	7.4	779	353.35	0.948
5606	CAS-06569	PAD94C16901	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06570	PAD94C16961	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06571	PAD94C16900	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06572	PAD94C16960	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06609	PAD94C17000	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06610	PAD94C16940	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06611	PAD94C17001	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06612	PAD94C16941	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5608	CAS-06825	PAD94C18288	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06826	PAD94C18304	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06827	PAD94C18287	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06828	PAD94C18303	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
6461	CAS-07660	PAD94C16953	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	699	317.06	0.785
6461	CAS-07662	PAD94C16892	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	699	317.06	0.785
6461	CAS-07663	PAD94C16952	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	699	317.06	0.785



Totals	**57**			**421.8**	**41460**	**18806**	**49**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	2	1-270-441-6211	001754539 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 40 MBq, Fissile Excepted	43	DF	12987	K	
X	2. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 8 MBq, Fissile Excepted	11	DM	2752	K	
	3.					
	4.					

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PADUCAH REMEDIATION SERVICES

14. Special Handling Instructions and Additional Information
Truck # 093 Trailer # U37634 TID # 0019042
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 7/16/1986
If undeliverable, return to generator
Shipment ID: 6202-15-0027

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: [illegible] USPHS — Signature: [signature] — Month: 11 Day: 27 Year: 07

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Scott Dill — Signature: [signature] — Month: 11 Day: 27 Year: 07

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Justin Lee — Signature: [signature] — Month: 11 Day: 30 Year: 07

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754539 JJK
Shipment ID Number: 6202-15-0027
Shipment Date: 11/27/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
3963	CAS-02670	PAD94C18011	CONCRETE	PCB Remediation Debris	07/16/86	7.4	687	311.62	0.820
115	CAS-02706	PAD94C17138	CONCRETE	PCB Remediation Debris	07/18/86	7.4	632	286.67	0.743
115	CAS-02718	PAD94C18071	CONCRETE	PCB Remediation Debris	07/18/86	7.4	688	312.07	0.821
116	CAS-02750	PAD94C18056	CONCRETE	PCB Remediation Debris	07/25/86	7.4	884	400.97	1.094
116	CAS-02767	PAD94C18104	CONCRETE	PCB Remediation Debris	07/25/86	7.4	890	403.70	1.103
117	CAS-02803	PAD94C18012	CONCRETE	PCB Remediation Debris	08/05/86	7.4	875	396.89	1.082
117	CAS-02804	PAD94C18760	CONCRETE	PCB Remediation Debris	08/05/86	7.4	836	379.20	1.027
119	CAS-02845	PAD94C18085	CONCRETE	PCB Remediation Debris	08/06/86	7.4	610	276.69	0.712
3966	CAS-02968	PAD94C16471	GRAVEL	PCB Remediation Debris	08/07/86	7.4	809	366.95	0.990
3967	CAS-03112	PAD94C17585	GRAVEL	PCB Remediation Debris	08/08/86	7.4	863	391.45	1.065
3967	CAS-03118	PAD94C16411	GRAVEL	PCB Remediation Debris	08/08/86	7.4	700	317.51	0.838
3968	CAS-03166	PAD94C17640	GRAVEL	PCB Remediation Debris	08/11/86	7.4	758	343.82	0.919
3968	CAS-03168	PAD94C17665	GRAVEL	PCB Remediation Debris	08/11/86	7.4	789	357.88	0.962
3968	CAS-03180	PAD94C17584	GRAVEL	PCB Remediation Debris	08/11/86	7.4	789	357.88	0.962
3968	CAS-03217	PAD94C18775	GRAVEL	PCB Remediation Debris	08/11/86	7.4	845	383.28	1.040
3968	CAS-03227	PAD94C18120	GRAVEL	PCB Remediation Debris	08/11/86	7.4	858	389.18	1.058
3969	CAS-03307	PAD94C15703	GRAVEL	PCB Remediation Debris	08/14/86	7.4	738	334.75	0.891
4139	CAS-03558	PAD94C18585	CONCRETE	PCB Remediation Debris	08/27/86	7.4	808	366.50	0.988
4139	CAS-03565	PAD94C18619	CONCRETE	PCB Remediation Debris	08/27/86	7.4	770	349.26	0.935
4140	CAS-03603	PAD94C18624	CONCRETE	PCB Remediation Debris	08/28/86	7.4	673	305.27	0.800
3972	CAS-03621	PAD94C18627	CONCRETE	PCB Remediation Debris	09/02/86	7.4	783	355.16	0.953
3972	CAS-03623	PAD94C18599	CONCRETE	PCB Remediation Debris	09/02/86	7.4	769	348.81	0.934
3944	CAS-04383	PAD94C15557	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	739	335.20	0.892
3944	CAS-04385	PAD94C15704	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	731	331.57	0.881
3945	CAS-04423	PAD94C18459	CONTAMINATED CONCRETE	PCB Remediation Debris	10/07/87	7.4	723	327.95	0.870
3945	CAS-04429	PAD94C18592	CONTAMINATED CONCRETE	PCB Remediation Debris	10/07/87	7.4	749	339.74	0.906
3945	CAS-04430	PAD94C18460	CONTAMINATED CONCRETE	PCB Remediation Debris	10/07/87	7.4	734	332.94	0.885
3945	CAS-04442	PAD94C15556	CONTAMINATED CONCRETE	PCB Remediation Debris	10/07/87	7.4	714	323.86	0.857
3945	CAS-04443	PAD94C18620	CONTAMINATED CONCRETE	PCB Remediation Debris	10/07/87	7.4	759	344.27	0.920
3946	CAS-04475	PAD94C18600	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	797	361.51	0.973
3946	CAS-04507	PAD94C15555	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	660	299.37	0.782
3947	CAS-04539	PAD94C15561	CONTAMINATED CONCRETE	PCB Remediation Debris	10/09/87	7.4	726	329.31	0.874
3949	CAS-04595	PAD94C15708	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/12/87	7.4	747	338.83	0.903
3949	CAS-04596	PAD94C15560	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/12/87	7.4	855	387.82	1.054
3949	CAS-04619	PAD94C15709	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/12/87	7.4	840	381.02	1.033
6331	CAS-05202	PAD94C18595	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	728	330.21	0.877
6333	CAS-05345	PAD94C15558	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	819	371.49	1.004
6333	CAS-05357	PAD94C15559	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	829	376.03	1.017
6333	CAS-05421	PAD94C15706	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	714	323.86	0.857
6334	CAS-05540	PAD94C15707	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	826	374.67	1.013
6337	CAS-05659	PAD94C18623	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	709	321.60	0.850
6337	CAS-05674	PAD94C18596	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	718	325.68	0.863
6337	CAS-05677	PAD94C18591	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	717	325.22	0.861
5606	CAS-06577	PAD94C18291	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06578	PAD94C18307	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06579	PAD94C18292	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06580	PAD94C18308	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06582	PAD94C18293	CONCRETE	PCB Remediation Debris	10/04/88	7.4	693	314.34	0.776
5606	CAS-06583	PAD94C18309	CONCRETE	PCB Remediation Debris	10/04/88	7.4	693	314.34	0.776
5606	CAS-06584	PAD94C18294	CONCRETE	PCB Remediation Debris	10/04/88	7.4	693	314.34	0.776
5606	CAS-06635	PAD94C18305	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5608	CAS-06821	PAD94C18299	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06822	PAD94C18283	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06823	PAD94C18284	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
	Totals	54				399.6	40451	18348	48

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754540 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598698

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 24 MBq, Fissile Excepted	25	DF	7876	K	
X	2. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 24 MBq, Fissile Excepted	28	DM	7668	K	
	3.					
	4.					

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PADUCAH REMEDIATION SERVICES

14. Special Handling Instructions and Additional Information
Truck#093 Trailer#W45252 TIO#0019043
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 8/7/1986
If undeliverable, return to generator
Shipment ID: 6202-15-0028

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David R. DeLaCruz on behalf of U.S. DOE — Signature: David R DeLaCruz — Month: 12 Day: 10 Year: 07

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Scott D. Hicks — Signature: Scott D. Hicks — Month: 12 Day: 10 Year: 07

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132	H132		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. Gardner — Signature — Month — Day — Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754540 JJK
Shipment ID Number: 6202-15-0028
Shipment Date: 12/10/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
3966	CAS-02916	PAD94C25256	GRAVEL	PCB Remediation Debris	08/07/86	7.4	777	352.44	0.945
3966	CAS-02988	PAD94C25731	GRAVEL	PCB Remediation Debris	08/07/86	7.4	875	396.89	1.082
3967	CAS-03032	PAD94C25730	GRAVEL	PCB Remediation Debris	08/08/86	7.4	864	391.90	1.066
3967	CAS-03045	PAD94C25300	GRAVEL	PCB Remediation Debris	08/08/86	7.4	843	382.38	1.037
3967	CAS-03048	PAD94C25769	GRAVEL	PCB Remediation Debris	08/08/86	7.4	856	388.27	1.055
3967	CAS-03049	PAD94C25642	GRAVEL	PCB Remediation Debris	08/08/86	7.4	806	365.59	0.985
3967	CAS-03074	PAD94C25643	GRAVEL	PCB Remediation Debris	08/08/86	7.4	855	387.82	1.054
3967	CAS-03103	PAD94C25658	GRAVEL	PCB Remediation Debris	08/08/86	7.4	804	364.69	0.983
3968	CAS-03230	PAD94C25317	GRAVEL	PCB Remediation Debris	08/11/86	7.4	850	385.55	1.047
3969	CAS-03333	PAD94C18664	GRAVEL	PCB Remediation Debris	08/14/86	7.4	831	376.93	1.020
3969	CAS-03336	PAD94C18692	GRAVEL	PCB Remediation Debris	08/14/86	7.4	810	367.41	0.991
3969	CAS-03364	PAD94C21637	GRAVEL	PCB Remediation Debris	08/14/86	7.4	866	392.81	1.069
4139	CAS-03575	PAD94C18663	PCB/U CONTAMINATED CONCRETE	PCB Remediation Debris	08/27/86	7.4	713	323.41	0.856
4139	CAS-03578	PAD94C18691	CONCRETE	PCB Remediation Debris	08/27/86	7.4	821	372.40	1.006
3972	CAS-03644	PAD94C22794	CONCRETE	PCB Remediation Debris	09/02/86	7.4	801	363.33	0.978
3944	CAS-04365	PAD94C25856	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	739	335.20	0.892
3944	CAS-04384	PAD94C25873	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	644	292.11	0.760
3946	CAS-04495	PAD94C22795	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	779	353.35	0.948
3946	CAS-04513	PAD94C22791	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	823	373.30	1.009
3947	CAS-04532	PAD94C22742	CONTAMINATED CONCRETE	PCB Remediation Debris	10/09/87	7.4	715	324.32	0.859
3947	CAS-04533	PAD94C22790	CONTAMINATED CONCRETE	PCB Remediation Debris	10/09/87	7.4	804	364.69	0.983
3947	CAS-04534	PAD94C22766	CONTAMINATED CONCRETE	PCB Remediation Debris	10/09/87	7.4	758	343.82	0.919
3947	CAS-04543	PAD94C22787	CONTAMINATED CONCRETE	PCB Remediation Debris	10/09/87	7.4	750	340.19	0.907
3947	CAS-04560	PAD94C22739	CONTAMINATED CONCRETE	PCB Remediation Debris	10/09/87	7.4	640	290.30	0.754
3948	CAS-04566	PAD94C22779	CONTAMINATE CONCRETE	PCB Remediation Debris	10/12/87	7.4	814	369.22	0.997
5605	CAS-06509	PAD94C16590	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06557	PAD94C16573	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06558	PAD94C16634	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06559	PAD94C16572	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06560	PAD94C16633	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5607	CAS-06673	PAD94C17301	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06674	PAD94C17241	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06675	PAD94C17302	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06676	PAD94C17242	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06737	PAD94C16744	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5608	CAS-06753	PAD94C16500	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06754	PAD94C16440	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06755	PAD94C16501	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06756	PAD94C16441	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06792	PAD94C16917	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06799	PAD94C16412	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06817	PAD94C16950	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06820	PAD94C16891	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06831	PAD94C16626	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5612	CAS-07028	PAD94C16956	CONCRETE NORTH & SOUTH TRENCH	PCB Remediation Debris	10/11/88	7.4	715	324.32	0.807
6461	CAS-07664	PAD94C16597	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	699	317.06	0.785
6461	CAS-07665	PAD94C16536	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	699	317.06	0.785
6461	CAS-07666	PAD94C16598	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	699	317.06	0.785
6461	CAS-07667	PAD94C16537	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	699	317.06	0.785
6461	CAS-07676	PAD94C25319	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	680	308.44	0.758
6461	CAS-07677	PAD94C25303	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	680	308.44	0.758
6461	CAS-07678	PAD94C25318	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	680	308.44	0.758
6461	CAS-07679	PAD94C25302	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	680	308.44	0.758
Totals	**53**					**392.2**	**40596**	**18414**	**48**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number KY 8890008982	2. Page 1 of 2	3. Emergency Response Phone 1-270-441-6211	4. Manifest Tracking Number 001754541 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 14 MBq, Fissile Excepted	16	DF	4677	K	
X	2. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 32 MBq, Fissile Excepted	39	DM	10271	K	
	3.					
	4.					

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PADUCAH REMEDIATION SERVICES

14. Special Handling Instructions and Additional Information
Truck # 010-A Trailer # U84029 TID # 0019047
For Emergency Response - Contact PGDP PSS at 1-270-441-6211 — PCB Start Date: 7/18/1986
ERG # 162, In the event of an RQ Release, call 1-800-424-8802 — If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info — Shipment ID: 6202-15-0029

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: DAvid R. DeLaCruz on behalf of U.S. DOE — Signature: David R. DeLaCruz — Month 12 Day 13 14 Year 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Debbie Collins — Signature: Debbie Collins — Month 12 Day 14 Year 07
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132	H132		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. G[illegible] — Signature: [signature] — Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754541 JJK
Shipment ID Number: 6202-15-0029
Shipment Date: 12/14/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
115	CAS-02698	PAD94C25280	CONCRETE	PCB Remediation Debris	07/18/86	7.4	739	335.20	0.892
3969	CAS-03329	PAD94C18687	GRAVEL	PCB Remediation Debris	08/14/86	7.4	791	358.79	0.965
3969	CAS-03362	PAD94C21630	GRAVEL	PCB Remediation Debris	08/14/86	7.4	812	368.32	0.994
3969	CAS-03363	PAD94C21640	GRAVEL	PCB Remediation Debris	08/14/86	7.4	799	362.42	0.976
3972	CAS-03628	PAD94C18688	CONCRETE	PCB Remediation Debris	09/02/86	7.4	737	334.30	0.889
3940	CAS-04190	PAD94C25897	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	627	284.40	0.736
3943	CAS-04341	PAD94C25913	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	662	300.28	0.785
3943	CAS-04343	PAD94C25912	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	747	338.83	0.903
3943	CAS-04353	PAD94C25852	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	712	322.96	0.854
3944	CAS-04392	PAD94C21629	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	607	275.33	0.708
3944	CAS-04411	PAD94C21639	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	761	345.18	0.923
3945	CAS-04427	PAD94C18660	CONTAMINATED CONCRETE	PCB Remediation Debris	10/07/87	7.4	757	343.37	0.917
3945	CAS-04428	PAD94C18659	CONTAMINATED CONCRETE	PCB Remediation Debris	10/07/87	7.4	802	363.78	0.980
3946	CAS-04460	PAD94C18679	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	752	341.10	0.910
3946	CAS-04467	PAD94C18680	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	783	355.16	0.953
3946	CAS-04473	PAD94C18651	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	806	365.59	0.985
5605	CAS-06510	PAD94C16589	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06511	PAD94C16529	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06512	PAD94C16528	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06513	PAD94C17243	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06514	PAD94C17244	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06515	PAD94C17303	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06529	PAD94C16404	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06530	PAD94C16463	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06531	PAD94C16402	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06532	PAD94C16462	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06553	PAD94C16504	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06554	PAD94C16444	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06555	PAD94C16505	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5605	CAS-06556	PAD94C16445	CONCRETE	PCB Remediation Debris	10/03/88	7.4	693	314.34	0.776
5606	CAS-06594	PAD94C16703	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06641	PAD94C17305	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06643	PAD94C17306	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5606	CAS-06644	PAD94C17246	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
5607	CAS-06653	PAD94C17977	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06654	PAD94C18037	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06655	PAD94C17976	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06656	PAD94C18036	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06702	PAD94C16947	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5607	CAS-06704	PAD94C16946	CONCRETE	PCB Remediation Debris	10/05/88	7.4	785	356.07	0.905
5608	CAS-06805	PAD94C16496	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06807	PAD94C16497	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06829	PAD94C16625	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06830	PAD94C16564	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5608	CAS-06832	PAD94C16565	CONCRETE	PCB Remediation Debris	10/06/88	7.4	793	359.70	0.916
5612	CAS-07044	PAD94C16517	CONCRETE NORTH & SOUTH TRENCH	PCB Remediation Debris	10/11/88	7.4	760	344.73	0.870
5612	CAS-07045	PAD94C16457	CONCRETE NORTH & SOUTH TRENCH	PCB Remediation Debris	10/11/88	7.4	760	344.73	0.870
5612	CAS-07046	PAD94C16456	CONCRETE NORTH & SOUTH TRENCH	PCB Remediation Debris	10/11/88	7.4	760	344.73	0.870
6461	CAS-07649	PAD94C25259	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	699	317.06	0.785
6461	CAS-07686	PAD94C25275	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	680	308.44	0.758
6461	CAS-07687	PAD94C25258	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	680	308.44	0.758
6461	CAS-07700	PAD94C25291	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	687	311.62	0.768
6461	CAS-07701	PAD94C25307	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	687	311.62	0.768
6461	CAS-07702	PAD94C25306	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	687	311.62	0.768
6461	CAS-07703	PAD94C25290	TRENCH LINE CONCRETE	PCB Remediation Debris	11/04/88	7.4	687	311.62	0.768

Totals	55				407	39842	18072	46

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	2	1-270-441-6211	001754542 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 50 MBq, Fissile Excepted	53	DF	16267	K	
	2.					
	3.					
	4.					

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PRS/H-1013
PADUCAH REMEDIATION SERVICES

14. Special Handling Instructions and Additional Information
Truck# 012 Trailer# WH9731 TID# 0019006
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 7/16/1986
If undeliverable, return to generator
Shipment ID: 6202-15-0030

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Chris Maxwell for USDOE — Signature — Month: 11 Day: 27 Year: 07

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Don McNeese — Signature — Month: 11 Day: 27 Year: 07

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Justin Lee — Signature — Month: 11 Day: 30 Year: 07

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754542 JJK
Shipment ID Number: 6202-15-0030
Shipment Date: 11/27/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
3963	CAS-02661	PAD94C17032	CONCRETE	PCB Remediation Debris	07/16/86	7.4	728	330.21	0.877
3963	CAS-02662	PAD94C17091	CONCRETE	PCB Remediation Debris	07/16/86	7.4	721	327.04	0.867
115	CAS-02700	PAD94C17060	CONCRETE	PCB Remediation Debris	07/18/86	7.4	712	322.96	0.854
115	CAS-02701	PAD94C17095	CONCRETE	PCB Remediation Debris	07/18/86	7.4	682	309.35	0.813
115	CAS-02709	PAD94C17086	CONCRETE	PCB Remediation Debris	07/18/86	7.4	749	339.74	0.906
115	CAS-02725	PAD94C17031	CONCRETE	PCB Remediation Debris	07/18/86	7.4	650	294.83	0.768
115	CAS-02730	PAD94C18778	CONCRETE	PCB Remediation Debris	07/18/86	7.4	606	274.88	0.707
115	CAS-02731	PAD94C18779	CONCRETE	PCB Remediation Debris	07/18/86	7.4	632	286.67	0.743
116	CAS-02738	PAD94C18131	CONCRETE	PCB Remediation Debris	07/25/86	7.4	870	394.62	1.075
116	CAS-02742	PAD94C18784	CONCRETE	PCB Remediation Debris	07/25/86	7.4	836	379.20	1.027
116	CAS-02757	PAD94C17025	CONCRETE	PCB Remediation Debris	07/25/86	7.4	720	326.58	0.866
116	CAS-02759	PAD94C17011	CONCRETE	PCB Remediation Debris	07/25/86	7.4	814	369.22	0.997
116	CAS-02770	PAD94C17073	CONCRETE	PCB Remediation Debris	07/25/86	7.4	756	342.91	0.916
116	CAS-02772	PAD94C17083	CONCRETE	PCB Remediation Debris	07/25/86	7.4	790	358.34	0.963
116	CAS-02778	PAD94C17084	CONCRETE	PCB Remediation Debris	07/25/86	7.4	772	350.17	0.938
117	CAS-02790	PAD94C17024	CONCRETE	PCB Remediation Debris	08/05/86	7.4	717	325.22	0.861
117	CAS-02792	PAD94C17074	CONCRETE	PCB Remediation Debris	08/05/86	7.4	695	315.25	0.831
117	CAS-02799	PAD94C17082	CONCRETE	PCB Remediation Debris	08/05/86	7.4	777	352.44	0.945
117	CAS-02801	PAD94C17068	CONCRETE	PCB Remediation Debris	08/05/86	7.4	695	315.25	0.831
117	CAS-02805	PAD94C17088	CONCRETE	PCB Remediation Debris	08/05/86	7.4	796	361.06	0.971
117	CAS-02810B	PAD94C18151	CONCRETE	PCB Remediation Debris	08/05/86	7.4	843	382.38	1.037
119	CAS-02821	PAD94C18780	CONCRETE	PCB Remediation Debris	08/06/86	7.4	684	310.26	0.815
119	CAS-02826	PAD94C17052	CONCRETE	PCB Remediation Debris	08/06/86	7.4	658	298.46	0.779
119	CAS-02837	PAD94C17101	CONCRETE	PCB Remediation Debris	08/06/86	7.4	674	305.72	0.801
119	CAS-02872	PAD94C17230	CONCRETE	PCB Remediation Debris	08/06/86	7.4	868	393.72	1.072
119	CAS-02874	PAD94C17170	CONCRETE	PCB Remediation Debris	08/06/86	7.4	836	379.20	1.027
3966	CAS-02893	PAD94C17532	GRAVEL	PCB Remediation Debris	08/07/86	7.4	791	358.79	0.965
3966	CAS-02935	PAD94C17937	GRAVEL	PCB Remediation Debris	08/07/86	7.4	750	340.19	0.907
3966	CAS-02937	PAD94C17233	GRAVEL	PCB Remediation Debris	08/07/86	7.4	760	344.73	0.921
3967	CAS-03052	PAD94C17707	GRAVEL	PCB Remediation Debris	08/07/86	7.4	862	390.99	1.063
3967	CAS-03054	PAD94C17708	GRAVEL	PCB Remediation Debris	08/07/86	7.4	864	391.90	1.066
3967	CAS-03056	PAD94C17705	GRAVEL	PCB Remediation Debris	08/07/86	7.4	820	371.94	1.005
3967	CAS-03061	PAD94C17765	GRAVEL	PCB Remediation Debris	08/07/86	7.4	785	356.07	0.956
3967	CAS-03080	PAD94C17596	GRAVEL	PCB Remediation Debris	08/08/86	7.4	874	396.44	1.080
3967	CAS-03082	PAD94C17535	GRAVEL	PCB Remediation Debris	08/08/86	7.4	819	371.49	1.004
3967	CAS-03089	PAD94C17766	GRAVEL	PCB Remediation Debris	08/08/86	7.4	834	378.29	1.024
3967	CAS-03099	PAD94C17710	GRAVEL	PCB Remediation Debris	08/08/86	7.4	846	383.74	1.041
3967	CAS-03108	PAD94C17764	GRAVEL	PCB Remediation Debris	08/08/86	7.4	750	340.19	0.907
3967	CAS-03109	PAD94C17712	GRAVEL	PCB Remediation Debris	08/08/86	7.4	843	382.38	1.037
3967	CAS-03110	PAD94C17767	GRAVEL	PCB Remediation Debris	08/08/86	7.4	802	363.78	0.980
3967	CAS-03114	PAD94C17763	GRAVEL	PCB Remediation Debris	08/08/86	7.4	837	379.65	1.029
3967	CAS-03117	PAD94C17709	GRAVEL	PCB Remediation Debris	08/08/86	7.4	804	364.69	0.983
3967	CAS-03132	PAD94C17762	GRAVEL	PCB Remediation Debris	08/08/86	7.4	756	342.91	0.916
3968	CAS-03206	PAD94C18124	GRAVEL	PCB Remediation Debris	08/11/86	7.4	807	366.05	0.987
3946	CAS-04465	PAD94C17021	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	786	356.52	0.958
3946	CAS-04480	PAD94C17020	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	773	350.63	0.939
3946	CAS-04494	PAD94C17080	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	823	373.30	1.009
3946	CAS-04515	PAD94C17079	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	759	344.27	0.920
6327	CAS-05085	PAD94C16174	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	836	379.20	1.027
6332	CAS-05278	PAD94C16173	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	812	368.32	0.994
6332	CAS-05280	PAD94C16206	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	834	378.29	1.024
6333	CAS-05342	PAD94C17081	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	848	384.64	1.044
6333	CAS-05370	PAD94C17022	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	754	342.01	0.913
Totals	**53**					**392.2**	**41110**	**18647**	**50**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754543 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 50 MBq, Fissile Excepted	52	DF	16318	K	
	2.					
	3.					
	4.					

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PRS/H-1014
PADUCAH REMEDIATION SERVICES

14. Special Handling Instructions and Additional Information
Truck # 012 Trailer # U36874 TIO# 0019022
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, in the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 7/16/1986
If undeliverable, return to generator
Shipment ID: 6202-15-0031

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David R. DeLaCruz on behalf of U.S. DOE — Signature: David R DeLa Cruz — Month 12 Day 03 Year 07

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: [illegible] — Signature: [illegible] — Month 12 Day 3 Year 07

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J Gardner — Signature: [signature] — Month 12 Day 06 Year 07

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754543 JJK
Shipment ID Number: 6202-15-0031
Shipment Date: 12/3/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
3963	CAS-02667	PAD94C17012	CONCRETE	PCB Remediation Debris	07/16/86	7.4	572	259.45	0.659
115	CAS-02691	PAD94C17143	CONCRETE	PCB Remediation Debris	07/18/86	7.4	708	321.14	0.849
115	CAS-02693	PAD94C17147	CONCRETE	PCB Remediation Debris	07/18/86	7.4	672	304.81	0.799
115	CAS-02711	PAD94C17209	CONCRETE	PCB Remediation Debris	07/18/86	7.4	765	347.00	0.928
116	CAS-02737	PAD94C17122	CONCRETE	PCB Remediation Debris	07/25/86	7.4	860	390.09	1.061
116	CAS-02760	PAD94C17181	CONCRETE	PCB Remediation Debris	07/25/86	7.4	856	388.27	1.055
116	CAS-02762	PAD94C16474	CONCRETE	PCB Remediation Debris	07/25/86	7.4	894	405.51	1.108
116	CAS-02764	PAD94C18249	CONCRETE	PCB Remediation Debris	07/25/86	7.4	830	376.48	1.019
116	CAS-02777	PAD94C18077	CONCRETE	PCB Remediation Debris	07/25/86	7.4	830	376.48	1.019
117	CAS-02798	PAD94C17204	CONCRETE	PCB Remediation Debris	08/05/86	7.4	848	384.64	1.044
117	CAS-02802	PAD94C18049	CONCRETE	PCB Remediation Debris	08/05/86	7.4	868	393.72	1.072
119	CAS-02825	PAD94C17013	CONCRETE	PCB Remediation Debris	08/06/86	7.4	611	277.14	0.714
119	CAS-02830	PAD94C17634	CONCRETE	PCB Remediation Debris	08/06/86	7.4	850	385.55	1.047
119	CAS-02834	PAD94C18052	CONCRETE	PCB Remediation Debris	08/06/86	7.4	653	296.19	0.772
119	CAS-02873	PAD94C18026	CONCRETE	PCB Remediation Debris	08/06/86	7.4	808	366.50	0.988
119	CAS-02875	PAD94C17563	CONCRETE	PCB Remediation Debris	08/06/86	7.4	837	379.65	1.029
3966	CAS-02896	PAD94C16664	GRAVEL	PCB Remediation Debris	08/07/86	7.4	817	370.58	1.001
3966	CAS-02897	PAD94C16722	GRAVEL	PCB Remediation Debris	08/07/86	7.4	769	348.81	0.934
3966	CAS-02921	PAD94C18252	GRAVEL	PCB Remediation Debris	08/07/86	7.4	810	367.41	0.991
3966	CAS-02936	PAD94C18027	GRAVEL	PCB Remediation Debris	08/07/86	7.4	742	336.56	0.896
3966	CAS-02970	PAD94C17547	GRAVEL	PCB Remediation Debris	08/07/86	7.4	828	375.57	1.016
3966	CAS-03005	PAD94C17669	GRAVEL	PCB Remediation Debris	08/07/86	7.4	788	357.43	0.960
3966	CAS-03009	PAD94C17670	GRAVEL	PCB Remediation Debris	08/07/86	7.4	809	366.95	0.990
3966	CAS-03011	PAD94C18280	GRAVEL	PCB Remediation Debris	08/07/86	7.4	814	369.22	0.997
3966	CAS-03013	PAD94C17136	GRAVEL	PCB Remediation Debris	08/07/86	7.4	876	397.34	1.083
3966	CAS-03020	PAD94C18087	GRAVEL	PCB Remediation Debris	08/07/86	7.4	842	381.92	1.036
3967	CAS-03022	PAD94C17546	GRAVEL	PCB Remediation Debris	08/08/86	7.4	794	360.15	0.969
3967	CAS-03037	PAD94C18247	GRAVEL	PCB Remediation Debris	08/08/86	7.4	809	366.95	0.990
3967	CAS-03133	PAD94C17728	GRAVEL	PCB Remediation Debris	08/08/86	7.4	772	350.17	0.938
3967	CAS-03137	PAD94C17733	GRAVEL	PCB Remediation Debris	08/08/86	7.4	788	357.43	0.960
3967	CAS-03141	PAD94C17623	GRAVEL	PCB Remediation Debris	08/08/86	7.4	762	345.64	0.924
3968	CAS-03162	PAD94C17567	GRAVEL	PCB Remediation Debris	08/11/86	7.4	833	377.84	1.023
3968	CAS-03163	PAD94C17731	GRAVEL	PCB Remediation Debris	08/11/86	7.4	800	362.87	0.977
3968	CAS-03164	PAD94C17729	GRAVEL	PCB Remediation Debris	08/11/86	7.4	828	375.57	1.016
3968	CAS-03175	PAD94C17632	GRAVEL	PCB Remediation Debris	08/11/86	7.4	814	369.22	0.997
3968	CAS-03176	PAD94C17677	GRAVEL	PCB Remediation Debris	08/11/86	7.4	829	376.03	1.017
3968	CAS-03181	PAD94C17676	GRAVEL	PCB Remediation Debris	08/11/86	7.4	887	402.33	1.098
3943	CAS-04344	PAD94C15563	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	671	304.36	0.797
3946	CAS-04470	PAD94C18547	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	792	359.24	0.966
3946	CAS-04476	PAD94C18586	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	756	342.91	0.916
3947	CAS-04540	PAD94C15565	CONTAMINATED CONCRETE	PCB Remediation Debris	10/09/87	7.4	795	360.60	0.970
3949	CAS-04617	PAD94C15564	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/12/87	7.4	790	358.34	0.963
6326	CAS-04717	PAD94C15711	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	807	366.05	0.987
6326	CAS-04724	PAD94C15562	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	791	358.79	0.965
6331	CAS-05165	PAD94C15854	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	885	401.43	1.096
6332	CAS-05261	PAD94C16215	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	763	346.09	0.925
6334	CAS-05448	PAD94C16029	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/26/87	7.4	714	323.86	0.857
6334	CAS-05460	PAD94C16214	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/26/87	7.4	824	373.76	1.011
6334	CAS-05534	PAD94C16181	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/26/87	7.4	734	332.94	0.885
6336	CAS-05594	PAD94C15992	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/27/87	7.4	741	336.11	0.895
6336	CAS-05596	PAD94C16030	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/27/87	7.4	769	348.81	0.934
6338	CAS-05723	PAD94C16213	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/29/87	7.4	819	371.49	1.004
Totals	**52**					**384.8**	**41124**	**18653**	**50**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754544 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598896

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 51 MBq, Fissile Excepted	54	DF	16458	K	
	2.					
	3.					
	4.					

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DRS/H-1015
PADUCAH REMEDIATION SERVICES

14. Special Handling Instructions and Additional Information
Truck 231-G Trailer U35281 TID# 0019020
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 7/18/1986
If undeliverable, return to generator
Shipment ID: 6202-15-0032

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David R. DeLuca on behalf of U.S. DOE — Signature: David R. DeLuca — Month/Day/Year: 12/03/07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JERRY DOLLINGER — Signature: Jerry Dollinger — Month/Day/Year: 12/03/07
Transporter 2 Printed/Typed Name — Signature — Month/Day/Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month/Day/Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee — Signature — Month/Day/Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **DESIGNATED FACILITY TO GENERATOR**

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754544 JJK
Shipment ID Number: 6202-15-0032
Shipment Date: 12/3/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
115	CAS-02689	PAD94C18764	CONCRETE	PCB Remediation Debris	07/18/86	7.4	582	263.99	0.673
115	CAS-02699	PAD94C17219	CONCRETE	PCB Remediation Debris	07/18/86	7.4	730	331.12	0.879
115	CAS-02708	PAD94C18769	CONCRETE	PCB Remediation Debris	07/18/86	7.4	692	313.88	0.827
115	CAS-02713	PAD94C17220	CONCRETE	PCB Remediation Debris	07/18/86	7.4	692	313.88	0.827
115	CAS-02726	PAD94C17156	CONCRETE	PCB Remediation Debris	07/18/86	7.4	618	280.32	0.723
116	CAS-02744	PAD94C18771	CONCRETE	PCB Remediation Debris	07/25/86	7.4	884	400.97	1.094
116	CAS-02746	PAD94C17158	CONCRETE	PCB Remediation Debris	07/25/86	7.4	871	395.08	1.076
116	CAS-02756	PAD94C17155	CONCRETE	PCB Remediation Debris	07/25/86	7.4	809	366.95	0.990
116	CAS-02758	PAD94C17167	CONCRETE	PCB Remediation Debris	07/25/86	7.4	834	378.29	1.024
117	CAS-02788	PAD94C18116	CONCRETE	PCB Remediation Debris	08/05/86	7.4	772	350.17	0.938
117	CAS-02791	PAD94C18114	CONCRETE	PCB Remediation Debris	08/05/86	7.4	836	379.20	1.027
117	CAS-02797	PAD94C18768	CONCRETE	PCB Remediation Debris	08/05/86	7.4	825	374.21	1.012
117	CAS-02807	PAD94C18117	CONCRETE	PCB Remediation Debris	08/05/86	7.4	844	382.83	1.038
117	CAS-02809	PAD94C18770	CONCRETE	PCB Remediation Debris	08/06/86	7.4	812	368.32	0.994
3966	CAS-02972	PAD94C16782	GRAVEL	PCB Remediation Debris	08/07/86	7.4	834	378.29	1.024
3967	CAS-03026	PAD94C16846	GRAVEL	PCB Remediation Debris	08/08/86	7.4	754	342.01	0.913
3967	CAS-03027	PAD94C16843	GRAVEL	PCB Remediation Debris	08/08/86	7.4	743	337.02	0.898
3967	CAS-03029	PAD94C16786	GRAVEL	PCB Remediation Debris	08/08/86	7.4	796	361.06	0.971
3967	CAS-03030	PAD94C16847	GRAVEL	PCB Remediation Debris	08/08/86	7.4	841	381.47	1.034
3967	CAS-03076	PAD94C16842	GRAVEL	PCB Remediation Debris	08/08/86	7.4	700	317.51	0.838
3968	CAS-03191	PAD94C15944	GRAVEL	PCB Remediation Debris	08/11/86	7.4	858	389.18	1.058
3968	CAS-03203	PAD94C15983	GRAVEL	PCB Remediation Debris	08/11/86	7.4	833	377.84	1.023
3970	CAS-03506	PAD94C15949	CONCRETE	PCB Remediation Debris	08/26/86	7.4	833	377.84	1.023
3972	CAS-03646	PAD94C18636	CONCRETE	PCB Remediation Debris	09/02/86	7.4	760	344.73	0.921
3940	CAS-04162	PAD94C15898	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	731	331.57	0.881
3940	CAS-04175	PAD94C15866	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	753	341.55	0.912
3940	CAS-04176	PAD94C15865	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	765	347.00	0.928
3940	CAS-04236	PAD94C15894	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	724	328.40	0.871
3941	CAS-04241	PAD94C15921	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	583	264.44	0.675
3941	CAS-04254	PAD94C15897	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	597	270.79	0.694
3941	CAS-04261	PAD94C15862	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	665	301.64	0.789
3941	CAS-04272	PAD94C15893	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	748	339.29	0.905
3943	CAS-04330	PAD94C15861	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	749	339.74	0.906
3944	CAS-04374	PAD94C16270	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	744	337.47	0.899
3945	CAS-04450	PAD94C18633	CONTAMINATED CONCRETE	PCB Remediation Debris	10/07/87	7.4	751	340.65	0.909
3946	CAS-04493	PAD94C18608	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	814	369.22	0.997
3946	CAS-04516	PAD94C18607	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	832	377.39	1.022
3948	CAS-04570	PAD94C16269	CONTAMINATE CONCRETE	PCB Remediation Debris	10/12/87	7.4	815	369.68	0.998
6326	CAS-04729	PAD94C16238	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	807	366.05	0.987
6329	CAS-04914	PAD94C16084	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/19/87	7.4	794	360.15	0.969
6327	CAS-05033	PAD94C15886	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	790	358.34	0.963
6331	CAS-05151	PAD94C16052	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/20/87	7.4	813	368.77	0.995
6331	CAS-05157	PAD94C16023	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	741	336.11	0.895
6332	CAS-05230	PAD94C15997	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	857	388.73	1.057
6332	CAS-05233	PAD94C16024	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	843	382.38	1.037
6332	CAS-05239	PAD94C16042	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	835	378.75	1.026
6332	CAS-05253	PAD94C15853	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	786	356.52	0.958
6332	CAS-05318	PAD94C16083	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	853	386.91	1.051
6332	CAS-05321	PAD94C16051	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	826	374.67	1.013
6336	CAS-05558	PAD94C15882	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/27/87	7.4	728	330.21	0.877
6336	CAS-05599	PAD94C15979	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/27/87	7.4	710	322.05	0.852
6336	CAS-05601	PAD94C16041	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/27/87	7.4	707	320.69	0.847
6337	CAS-05665	PAD94C15913	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	760	344.73	0.921
6338	CAS-05730	PAD94C15980	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/29/87	7.4	756	342.91	0.916
	Totals	**54**				**399.6**	**41630**	**18883**	**51**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 6890008982	2	1-270-441-6211	001754545 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-i), 7, UN2912, RQ(PCB), Np-237, Pu-238, Tc-99, Th-230, U-Dep, Solid/Oxide, 50 MBq, Fissile Excepted	54	DF	16398	K	
	2.					
	3.					
	4.					

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PRS/H-1016
PADUCAH REMEDIATION SERVICES

14. Special Handling Instructions and Additional Information
Truck# 333 Trailer# 7334 TID# 0019014
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, in the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 7/16/1986
If undeliverable, return to generator
Shipment ID: 6202-15-0033

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David R DeLaCruz on behalf of U.S. DOE — Signature: David R. DeLaCruz — Month 12 Day 07 Year 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: [illegible] — Signature: — Month Day Year

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: [illegible] — Signature: — Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754545 JJK
Shipment ID Number: 6202-15-0033
Shipment Date: 12/7/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
3963	CAS-02669	PAD94C17228	CONCRETE	PCB Remediation Debris	07/16/86	7.4	708	321.14	0.849
3963	CAS-02671	PAD94C17231	CONCRETE	PCB Remediation Debris	07/16/86	7.4	704	319.33	0.843
3963	CAS-02683	PAD94C18108	CONCRETE	PCB Remediation Debris	07/16/86	7.4	720	326.58	0.866
116	CAS-02754	PAD94C16983	CONCRETE	PCB Remediation Debris	07/25/86	7.4	656	297.56	0.776
116	CAS-02775	PAD94C17607	CONCRETE	PCB Remediation Debris	07/25/86	7.4	898	407.32	1.114
3966	CAS-02894	PAD94C17603	GRAVEL	PCB Remediation Debris	08/07/86	7.4	827	375.12	1.015
3966	CAS-02930	PAD94C18109	GRAVEL	PCB Remediation Debris	08/07/86	7.4	794	360.15	0.969
3967	CAS-03096	PAD94C17653	GRAVEL	PCB Remediation Debris	08/08/86	7.4	768	348.36	0.932
3967	CAS-03101	PAD94C17654	GRAVEL	PCB Remediation Debris	08/08/86	7.4	814	369.22	0.997
3967	CAS-03115	PAD94C17651	GRAVEL	PCB Remediation Debris	08/08/86	7.4	717	325.22	0.861
3968	CAS-03157	PAD94C17771	GRAVEL	PCB Remediation Debris	08/11/86	7.4	844	382.83	1.038
3968	CAS-03208	PAD94C15937	GRAVEL	PCB Remediation Debris	08/11/86	7.4	854	387.37	1.052
3968	CAS-03219	PAD94C16067	GRAVEL	PCB Remediation Debris	08/11/86	7.4	843	382.38	1.037
3969	CAS-03309	PAD94C15482	GRAVEL	PCB Remediation Debris	08/14/86	7.4	793	359.70	0.967
3970	CAS-03531	PAD94C15955	CONCRETE	PCB Remediation Debris	08/26/86	7.4	741	336.11	0.895
3970	CAS-03534	PAD94C15938	CONCRETE	PCB Remediation Debris	08/26/86	7.4	710	322.05	0.852
3970	CAS-03535	PAD94C16100	CONCRETE	PCB Remediation Debris	08/26/86	7.4	790	358.34	0.963
3940	CAS-04167	PAD94C15818	CONTAMINATED CONCRETE	PCB Remediation Debris	09/28/87	7.4	685	310.71	0.817
3940	CAS-04187	PAD94C16068	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	657	298.01	0.778
3940	CAS-04201	PAD94C15956	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	736	333.84	0.888
3940	CAS-04228	PAD94C15819	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	639	289.84	0.753
3941	CAS-04243	PAD94C15434	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	787	356.98	0.959
3941	CAS-04244	PAD94C15433	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	609	276.24	0.711
3945	CAS-04431	PAD94C15483	CONTAMINATED CONCRETE	PCB Remediation Debris	10/07/87	7.4	736	333.84	0.888
6326	CAS-04744	PAD94C16091	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	799	362.42	0.976
6326	CAS-04746	PAD94C15487	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	813	368.77	0.995
6326	CAS-04752	PAD94C16059	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	803	364.23	0.981
6326	CAS-04754	PAD94C15470	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	764	346.54	0.927
6326	CAS-04767	PAD94C15481	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	829	376.03	1.017
6328	CAS-04814	PAD94C15468	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/16/87	7.4	806	365.59	0.985
6329	CAS-04898	PAD94C16093	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/19/87	7.4	726	329.31	0.874
6329	CAS-04899	PAD94C15485	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/19/87	7.4	782	354.71	0.952
6329	CAS-04900	PAD94C15850	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/19/87	7.4	794	360.15	0.969
6329	CAS-04901	PAD94C15465	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/19/87	7.4	697	316.15	0.834
6327	CAS-05029	PAD94C15471	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	796	361.06	0.971
6327	CAS-05044	PAD94C16045	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	822	372.85	1.008
6332	CAS-05238	PAD94C16070	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	817	370.58	1.001
6332	CAS-05269	PAD94C16102	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	810	367.41	0.991
6332	CAS-05271	PAD94C16046	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	826	374.67	1.013
6332	CAS-05283	PAD94C16060	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	830	376.48	1.019
6332	CAS-05285	PAD94C16094	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	843	382.38	1.037
6333	CAS-05349	PAD94C16061	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	805	365.14	0.984
6333	CAS-05363	PAD94C15480	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	794	360.15	0.969
6333	CAS-05382	PAD94C15486	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	806	365.59	0.985
6333	CAS-05383	PAD94C16092	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	767	347.90	0.931
6333	CAS-05390	PAD94C15469	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	749	339.74	0.906
6333	CAS-05391	PAD94C15484	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	761	345.18	0.923
6333	CAS-05397	PAD94C16062	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	748	339.29	0.905
6338	CAS-05739	PAD94C16069	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/29/87	7.4	784	355.61	0.955
6338	CAS-05742	PAD94C16142	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/29/87	7.4	743	337.02	0.898
6338	CAS-05744	PAD94C16141	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/29/87	7.4	820	371.94	1.005
6338	CAS-05745	PAD94C16101	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/29/87	7.4	800	362.87	0.977
6338	CAS-05750	PAD94C16107	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/29/87	7.4	732	332.03	0.882
6345	CAS-06135	PAD94C16110	PCB CONTAMINATED CONCRETE	PCB Remediation Debris	12/07/87	7.4	601	272.61	0.700
	Totals	**54**				**399.6**	**41497**	**18823**	**50**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890006982	2	1-270-441-6211	001754546 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc.
U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 48 MBq, Fissile Excepted	52	DF	15699	K	
X	2. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 1 MBq, Fissile Excepted	1	DM	220	K	
	3.					
	4.					

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PRS/H-1017
PADUCAH REMEDIATION SERVICES

14. Special Handling Instructions and Additional Information
Truck # 330 Trailer # 7398 TIDH 0019018
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 7/16/1986
If undeliverable, return to generator
Shipment ID: 6202-15-0034

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David R DeLaCruz on behalf of U.S. DOE
Signature: David R DeLaCruz
Month 12 Day 07 Year 07

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: C.A. Potts Jr.
Signature:
Month 12 Day 07 Year 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132	H132		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J Gardner
Signature:
Month 12 Day 14 Year 07

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754546 JJK
Shipment ID Number: 6202-15-0034
Shipment Date: 12/7/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
3963	CAS-02664	PAD94C17357	CONCRETE	PCB Remediation Debris	07/16/86	7.4	758	343.82	0.919
3963	CAS-02666	PAD94C18005	CONCRETE	PCB Remediation Debris	07/16/86	7.4	736	333.84	0.888
3963	CAS-02672	PAD94C17933	CONCRETE	PCB Remediation Debris	07/16/86	7.4	716	324.77	0.860
3963	CAS-02684	PAD94C18128	CONCRETE	PCB Remediation Debris	07/16/86	7.4	610	276.69	0.712
115	CAS-02696	PAD94C17468	CONCRETE	PCB Remediation Debris	07/18/86	7.4	712	322.96	0.854
115	CAS-02707	PAD94C18004	CONCRETE	PCB Remediation Debris	07/18/86	7.4	658	298.46	0.779
115	CAS-02728	PAD94C17353	CONCRETE	PCB Remediation Debris	07/18/86	7.4	606	274.88	0.707
116	CAS-02733	PAD94C18065	CONCRETE	PCB Remediation Debris	07/25/86	7.4	894	405.51	1.108
116	CAS-02774	PAD94C17356	CONCRETE	PCB Remediation Debris	07/25/86	7.4	849	385.10	1.045
119	CAS-02812	PAD94C16377	CONCRETE	PCB Remediation Debris	08/06/86	7.4	598	271.25	0.696
119	CAS-02814	PAD94C16311	CONCRETE	PCB Remediation Debris	08/06/86	7.4	675	306.17	0.803
119	CAS-02818	PAD94C16370	CONCRETE	PCB Remediation Debris	08/06/86	7.4	725	328.85	0.873
119	CAS-02820	PAD94C17401	CONCRETE	PCB Remediation Debris	08/06/86	7.4	787	356.98	0.959
119	CAS-02832	PAD94C17447	CONCRETE	PCB Remediation Debris	08/06/86	7.4	606	274.88	0.707
119	CAS-02838	PAD94C17003	CONCRETE	PCB Remediation Debris	08/06/86	7.4	656	297.56	0.776
119	CAS-02880	PAD94C16519	CONCRETE	PCB Remediation Debris	08/06/86	7.4	658	298.46	0.779
3966	CAS-02892	PAD94C17491	GRAVEL	PCB Remediation Debris	08/07/86	7.4	800	362.87	0.977
3966	CAS-02920	PAD94C17350	GRAVEL	PCB Remediation Debris	08/07/86	7.4	798	361.96	0.974
3966	CAS-02933	PAD94C17991	GRAVEL	PCB Remediation Debris	08/07/86	7.4	825	374.21	1.012
3966	CAS-02964	PAD94C16391	GRAVEL	PCB Remediation Debris	08/07/86	7.4	750	340.19	0.907
3966	CAS-02991	PAD94C17446	GRAVEL	PCB Remediation Debris	08/07/86	7.4	794	360.15	0.969
3966	CAS-02994	PAD94C17461	GRAVEL	PCB Remediation Debris	08/07/86	7.4	713	323.41	0.856
3966	CAS-03017	PAD94C17002	GRAVEL	PCB Remediation Debris	08/07/86	7.4	882	400.07	1.091
3967	CAS-03053	PAD94C16326	GRAVEL	PCB Remediation Debris	08/07/86	7.4	810	367.41	0.991
3967	CAS-03070	PAD94C17384	GRAVEL	PCB Remediation Debris	08/08/86	7.4	852	386.46	1.050
3967	CAS-03085	PAD94C16376	GRAVEL	PCB Remediation Debris	08/08/86	7.4	830	376.48	1.019
3967	CAS-03086	PAD94C16341	GRAVEL	PCB Remediation Debris	08/08/86	7.4	796	361.06	0.971
3967	CAS-03092	PAD94C16321	GRAVEL	PCB Remediation Debris	08/08/86	7.4	827	375.12	1.015
3967	CAS-03107	PAD94C16374	GRAVEL	PCB Remediation Debris	08/08/86	7.4	757	343.37	0.917
3967	CAS-03116	PAD94C17385	GRAVEL	PCB Remediation Debris	08/08/86	7.4	800	362.87	0.977
3967	CAS-03121	PAD94C17474	GRAVEL	PCB Remediation Debris	08/08/86	7.4	822	372.85	1.008
3967	CAS-03128	PAD94C17495	GRAVEL	PCB Remediation Debris	08/08/86	7.4	796	361.06	0.971
3967	CAS-03130	PAD94C16381	GRAVEL	PCB Remediation Debris	08/08/86	7.4	775	351.53	0.942
3967	CAS-03131	PAD94C16327	GRAVEL	PCB Remediation Debris	08/08/86	7.4	768	348.36	0.932
3967	CAS-03138	PAD94C16354	GRAVEL	PCB Remediation Debris	08/08/86	7.4	815	369.68	0.998
3967	CAS-03146	PAD94C16318	GRAVEL	PCB Remediation Debris	08/08/86	7.4	693	314.34	0.828
3967	CAS-03147	PAD94C16355	GRAVEL	PCB Remediation Debris	08/08/86	7.4	806	365.59	0.985
3968	CAS-03152	PAD94C17363	GRAVEL	PCB Remediation Debris	08/11/86	7.4	824	373.76	1.011
3968	CAS-03155	PAD94C16380	GRAVEL	PCB Remediation Debris	08/11/86	7.4	741	336.11	0.895
3968	CAS-03169	PAD94C16319	GRAVEL	PCB Remediation Debris	08/11/86	7.4	791	358.79	0.965
3968	CAS-03188	PAD94C16168	GRAVEL	PCB Remediation Debris	08/11/86	7.4	864	391.90	1.066
3968	CAS-03201	PAD94C16167	GRAVEL	PCB Remediation Debris	08/11/86	7.4	791	358.79	0.965
3968	CAS-03207	PAD94C16136	GRAVEL	PCB Remediation Debris	08/11/86	7.4	863	391.45	1.065
3970	CAS-03512	PAD94C15976	CONCRETE	PCB Remediation Debris	08/26/86	7.4	743	337.02	0.898
4139	CAS-03552	PAD94C15923	CONCRETE	PCB Remediation Debris	08/27/86	7.4	791	358.79	0.965
3940	CAS-04166	PAD94C15970	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	755	342.46	0.914
3943	CAS-04364	PAD94C15971	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	702	318.42	0.840
3950	CAS-04655	PAD94C15710	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/13/87	7.4	791	358.79	0.965
3950	CAS-04656	PAD94C15713	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/13/87	7.4	775	351.53	0.942
6326	CAS-04715	PAD94C15712	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	814	369.22	0.997
6327	CAS-05107	PAD94C16161	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	809	366.95	0.990
6337	CAS-05701	PAD94C16162	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	751	340.65	0.909
5606	CAS-06620	PAD94C18281	CONCRETE	PCB Remediation Debris	10/04/88	7.4	621	281.68	0.676
Totals	**53**					**392.2**	**40379**	**18316**	**49**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754547 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 47 MBq, Fissile Excepted	53	DF	15328	K	
	2.					
	3.					
	4.					

RECEIVED
FEB 01 2008
PRS/H-1018
PADUCAH REMEDIATION SERVICES

14. Special Handling Instructions and Additional Information
Truck 093 Trailer W49535 TID: 0019027
For Emergency Response - Contact PGDP PSS at 1-270-441-8211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 8/7/1986
If undeliverable, return to generator
Shipment ID: 6202-15-0035

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David R. DeLaCruz on behalf of US DOE — Signature: David R. DeLaCruz — Month/Day/Year: 12/03/07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month/Day/Year: 12/3/07

Transporter 2 Printed/Typed Name — Signature — Month/Day/Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month/Day/Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. Gardner — Signature — Month/Day/Year: 12/06/07

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754547 JJK
Shipment ID Number: 6202-15-0035
Shipment Date: 12/3/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
3966	CAS-02918	PAD94C16974	GRAVEL	PCB Remediation Debris	08/07/86	7.4	761	345.18	0.923
3966	CAS-02999	PAD94C17238	GRAVEL	PCB Remediation Debris	08/07/86	7.4	840	381.02	1.033
121	CAS-03395	PAD94C16285	CONCRETE	PCB Remediation Debris	08/21/86	7.4	705	319.78	0.845
4138	CAS-03503	PAD94C16253	CONCRETE	PCB Remediation Debris	08/26/86	7.4	678	307.53	0.807
3970	CAS-03507	PAD94C15957	CONCRETE	PCB Remediation Debris	08/26/86	7.4	782	354.71	0.952
3970	CAS-03509	PAD94C16013	CONCRETE	PCB Remediation Debris	08/26/86	7.4	723	327.95	0.870
3970	CAS-03511	PAD94C16008	CONCRETE	PCB Remediation Debris	08/26/86	7.4	825	374.21	1.012
3970	CAS-03519	PAD94C15947	CONCRETE	PCB Remediation Debris	08/26/86	7.4	749	339.74	0.906
3970	CAS-03520	PAD94C15945	CONCRETE	PCB Remediation Debris	08/26/86	7.4	739	335.20	0.892
3970	CAS-03528	PAD94C16283	CONCRETE	PCB Remediation Debris	08/26/86	7.4	802	363.78	0.980
3970	CAS-03530	PAD94C15915	CONCRETE	PCB Remediation Debris	08/26/86	7.4	800	362.87	0.977
3970	CAS-03537	PAD94C15958	CONCRETE	PCB Remediation Debris	08/26/86	7.4	810	367.41	0.991
3970	CAS-03538	PAD94C15934	CONCRETE	PCB Remediation Debris	08/26/86	7.4	738	334.75	0.891
4139	CAS-03553	PAD94C15946	CONCRETE	PCB Remediation Debris	08/27/86	7.4	791	358.79	0.965
4139	CAS-03555	PAD94C15978	CONCRETE	PCB Remediation Debris	08/27/86	7.4	796	361.06	0.971
3940	CAS-04173	PAD94C16251	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	740	335.66	0.893
3940	CAS-04174	PAD94C16286	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	748	339.29	0.905
3940	CAS-04181	PAD94C15936	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	669	303.45	0.794
3940	CAS-04197	PAD94C16007	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	581	263.54	0.672
3940	CAS-04198	PAD94C16014	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	572	259.45	0.659
3940	CAS-04212	PAD94C15935	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	396	179.62	0.414
3941	CAS-04271	PAD94C15963	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	752	341.10	0.910
3941	CAS-04274	PAD94C15972	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	645	292.57	0.761
3941	CAS-04291	PAD94C15930	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	579	262.63	0.669
3941	CAS-04296	PAD94C15973	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	683	309.80	0.814
3942	CAS-04299	PAD94C16266	CONTAMINATED CONCRETE	PCB Remediation Debris	10/01/87	7.4	624	283.04	0.732
3942	CAS-04307	PAD94C16241	CONTAMINATED CONCRETE	PCB Remediation Debris	10/01/87	7.4	784	355.61	0.955
3943	CAS-04313	PAD94C16252	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	625	283.49	0.733
3943	CAS-04322	PAD94C16242	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	645	292.57	0.761
3947	CAS-04545	PAD94C16284	CONTAMINATED CONCRETE	PCB Remediation Debris	10/09/87	7.4	785	356.07	0.956
3948	CAS-04563	PAD94C16274	CONTAMINATE CONCRETE	PCB Remediation Debris	10/12/87	7.4	626	283.95	0.735
3949	CAS-04610	PAD94C16271	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/12/87	7.4	842	381.92	1.036
3949	CAS-04611	PAD94C16239	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/12/87	7.4	814	369.22	0.997
3949	CAS-04613	PAD94C16272	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/12/87	7.4	824	373.76	1.011
3949	CAS-04626	PAD94C16273	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/12/87	7.4	843	382.38	1.037
3949	CAS-04629	PAD94C16240	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/12/87	7.4	828	375.57	1.016
6326	CAS-04801	PAD94C16078	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	799	362.42	0.976
6329	CAS-04916	PAD94C16257	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/19/87	7.4	762	345.64	0.924
6327	CAS-05031	PAD94C15918	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	780	353.80	0.949
6327	CAS-05032	PAD94C15919	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	798	361.96	0.974
6327	CAS-05083	PAD94C16256	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	812	368.32	0.994
6327	CAS-05084	PAD94C16255	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	813	368.77	0.995
6331	CAS-05206	PAD94C16290	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	792	359.24	0.966
6331	CAS-05208	PAD94C15931	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	803	364.23	0.981
6332	CAS-05292	PAD94C16289	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	829	376.03	1.017
6332	CAS-05296	PAD94C16254	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	835	378.75	1.026
6333	CAS-05341	PAD94C16263	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	800	362.87	0.977
6336	CAS-05560	PAD94C15914	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/27/87	7.4	743	337.02	0.898
6337	CAS-05651	PAD94C16074	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	681	308.89	0.811
6338	CAS-05740	PAD94C16262	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/29/87	7.4	774	351.08	0.941
6340	CAS-05883	PAD94C16291	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	11/02/87	7.4	806	365.59	0.985
6345	CAS-06124	PAD94C16077	PCB CONTAMINATED CONCRETE	PCB Remediation Debris	12/07/87	7.4	581	263.54	0.672
6345	CAS-06133	PAD94C15962	PCB CONTAMINATED CONCRETE	PCB Remediation Debris	12/07/87	7.4	487	220.90	0.541
	Totals	53				392.2	39039	17708	47

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754547 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd.
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 47 MBq, Fissile Excepted	53	DF	15328	K	
	2.					
	3.					
	4.					

RECEIVED
FEB 01 2008
PRS/H-1018
PADUCAH REMEDIATION SERVICES

14. Special Handling Instructions and Additional Information
Truck 093 Trailer W49535 TID: 0019027
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 8/7/1986
If undeliverable, return to generator
Shipment ID: 6202-15-0035

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David R. DeLaCruz on behalf of US DOE — Signature: David R. DeLaCruz — Month/Day/Year: 12/03/07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month/Day/Year: 12/5/07

Transporter 2 Printed/Typed Name — Signature — Month/Day/Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month/Day/Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. Gardner — Signature — Month/Day/Year: 12/06/07

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754547 JJK
Shipment ID Number: 6202-15-0035
Shipment Date: 12/3/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
3966	CAS-02918	PAD94C16974	GRAVEL	PCB Remediation Debris	08/07/86	7.4	761	345.18	0.923
3966	CAS-02999	PAD94C17238	GRAVEL	PCB Remediation Debris	08/07/86	7.4	840	381.02	1.033
121	CAS-03395	PAD94C16285	CONCRETE	PCB Remediation Debris	08/21/86	7.4	705	319.78	0.845
4138	CAS-03503	PAD94C16253	CONCRETE	PCB Remediation Debris	08/26/86	7.4	678	307.53	0.807
3970	CAS-03507	PAD94C15957	CONCRETE	PCB Remediation Debris	08/26/86	7.4	782	354.71	0.952
3970	CAS-03509	PAD94C16013	CONCRETE	PCB Remediation Debris	08/26/86	7.4	723	327.95	0.870
3970	CAS-03511	PAD94C16008	CONCRETE	PCB Remediation Debris	08/26/86	7.4	825	374.21	1.012
3970	CAS-03519	PAD94C15947	CONCRETE	PCB Remediation Debris	08/26/86	7.4	749	339.74	0.906
3970	CAS-03520	PAD94C15945	CONCRETE	PCB Remediation Debris	08/26/86	7.4	739	335.20	0.892
3970	CAS-03528	PAD94C16283	CONCRETE	PCB Remediation Debris	08/26/86	7.4	802	363.78	0.980
3970	CAS-03530	PAD94C15915	CONCRETE	PCB Remediation Debris	08/26/86	7.4	800	362.87	0.977
3970	CAS-03537	PAD94C15958	CONCRETE	PCB Remediation Debris	08/26/86	7.4	810	367.41	0.991
3970	CAS-03538	PAD94C15934	CONCRETE	PCB Remediation Debris	08/26/86	7.4	738	334.75	0.891
4139	CAS-03553	PAD94C15946	CONCRETE	PCB Remediation Debris	08/27/86	7.4	791	358.79	0.965
4139	CAS-03555	PAD94C15978	CONCRETE	PCB Remediation Debris	08/27/86	7.4	796	361.06	0.971
3940	CAS-04173	PAD94C16251	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	740	335.66	0.893
3940	CAS-04174	PAD94C16286	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	748	339.29	0.905
3940	CAS-04181	PAD94C15936	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	669	303.45	0.794
3940	CAS-04197	PAD94C16007	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	581	263.54	0.672
3940	CAS-04198	PAD94C16014	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	572	259.45	0.659
3940	CAS-04212	PAD94C15935	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	396	179.62	0.414
3941	CAS-04271	PAD94C15963	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	752	341.10	0.910
3941	CAS-04274	PAD94C15972	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	645	292.57	0.761
3941	CAS-04291	PAD94C15930	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	579	262.63	0.669
3941	CAS-04296	PAD94C15973	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	683	309.80	0.814
3942	CAS-04299	PAD94C16266	CONTAMINATED CONCRETE	PCB Remediation Debris	10/01/87	7.4	624	283.04	0.732
3942	CAS-04307	PAD94C16241	CONTAMINATED CONCRETE	PCB Remediation Debris	10/01/87	7.4	784	355.61	0.955
3943	CAS-04313	PAD94C16252	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	625	283.49	0.733
3943	CAS-04322	PAD94C16242	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	645	292.57	0.761
3947	CAS-04545	PAD94C16284	CONTAMINATED CONCRETE	PCB Remediation Debris	10/09/87	7.4	785	356.07	0.956
3948	CAS-04563	PAD94C16274	CONTAMINATE CONCRETE	PCB Remediation Debris	10/12/87	7.4	626	283.95	0.735
3949	CAS-04610	PAD94C16271	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/12/87	7.4	842	381.92	1.036
3949	CAS-04611	PAD94C16239	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/12/87	7.4	814	369.22	0.997
3949	CAS-04613	PAD94C16272	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/12/87	7.4	824	373.76	1.011
3949	CAS-04626	PAD94C16273	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/12/87	7.4	843	382.38	1.037
3949	CAS-04629	PAD94C16240	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/12/87	7.4	828	375.57	1.016
6326	CAS-04801	PAD94C16078	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	799	362.42	0.976
6329	CAS-04916	PAD94C16257	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/19/87	7.4	762	345.64	0.924
6327	CAS-05031	PAD94C15918	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	780	353.80	0.949
6327	CAS-05032	PAD94C15919	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	798	361.96	0.974
6327	CAS-05083	PAD94C16256	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	812	368.32	0.994
6327	CAS-05084	PAD94C16255	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	813	368.77	0.995
6331	CAS-05206	PAD94C16290	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	792	359.24	0.966
6331	CAS-05208	PAD94C15931	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	803	364.23	0.981
6332	CAS-05292	PAD94C16289	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	829	376.03	1.017
6332	CAS-05296	PAD94C16254	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	835	378.75	1.026
6333	CAS-05341	PAD94C16263	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	800	362.87	0.977
6336	CAS-05560	PAD94C15914	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/27/87	7.4	743	337.02	0.898
6337	CAS-05651	PAD94C16074	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	681	308.89	0.811
6338	CAS-05740	PAD94C16262	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/29/87	7.4	774	351.08	0.941
6340	CAS-05883	PAD94C16291	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	11/02/87	7.4	806	365.59	0.985
6345	CAS-06124	PAD94C16077	PCB CONTAMINATED CONCRETE	PCB Remediation Debris	12/07/87	7.4	581	263.54	0.672
6345	CAS-06133	PAD94C15962	PCB CONTAMINATED CONCRETE	PCB Remediation Debris	12/07/87	7.4	487	220.90	0.541
Totals		**53**				**392.2**	**39039**	**17708**	**47**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754548 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc.
U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 46 MBq, Fissile Excepted	50	DF	15070	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck # 324 Trailer 7341 TID# 0019050
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 7/16/1986
If undeliverable, return to generator
Shipment ID: 6202-15-0036

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David R DeLaCruz on behalf of U.S. DOE
Signature: David R DeLaCruz
Month Day Year: 12 07 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Ashcraft
Signature: Robert Ashcraft
Month Day Year: 12 7 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. Gardner
Signature:
Month Day Year: 12 10 07

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754548 JJK

Shipment ID Number: 6202-15-0036

Shipment Date: 12/7/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
3963	CAS-02660	PAD94C17525	CONCRETE	PCB Remediation Debris	07/16/86	7.4	703	318.87	0.842
3963	CAS-02665	PAD94C18118	CONCRETE	PCB Remediation Debris	07/16/86	7.4	668	303.00	0.793
3963	CAS-02668	PAD94C17312	CONCRETE	PCB Remediation Debris	07/16/86	7.4	626	283.95	0.735
3963	CAS-02676	PAD94C18119	CONCRETE	PCB Remediation Debris	07/16/86	7.4	670	303.91	0.796
3963	CAS-02678	PAD94C17252	CONCRETE	PCB Remediation Debris	07/16/86	7.4	620	281.23	0.726
3963	CAS-02682	PAD94C17510	CONCRETE	PCB Remediation Debris	07/16/86	7.4	661	299.82	0.783
115	CAS-02705	PAD94C17249	CONCRETE	PCB Remediation Debris	07/18/86	7.4	660	299.37	0.782
115	CAS-02716	PAD94C17250	CONCRETE	PCB Remediation Debris	07/18/86	7.4	702	318.42	0.840
116	CAS-02734	PAD94C17215	CONCRETE	PCB Remediation Debris	07/25/86	7.4	826	374.67	1.013
116	CAS-02740	PAD94C17251	CONCRETE	PCB Remediation Debris	07/25/86	7.4	876	397.34	1.083
116	CAS-02769	PAD94C17263	CONCRETE	PCB Remediation Debris	07/25/86	7.4	874	396.44	1.080
116	CAS-02771	PAD94C17264	CONCRETE	PCB Remediation Debris	07/25/86	7.4	870	394.62	1.075
117	CAS-02793	PAD94C18772	CONCRETE	PCB Remediation Debris	08/05/86	7.4	744	337.47	0.899
119	CAS-02815	PAD94C16543	CONCRETE	PCB Remediation Debris	08/06/86	7.4	674	305.72	0.801
119	CAS-02817	PAD94C17049	CONCRETE	PCB Remediation Debris	08/06/86	7.4	680	308.44	0.810
119	CAS-02833	PAD94C16604	CONCRETE	PCB Remediation Debris	08/06/86	7.4	626	283.95	0.735
119	CAS-02841	PAD94C17253	CONCRETE	PCB Remediation Debris	08/06/86	7.4	666	302.09	0.790
119	CAS-02844	PAD94C17257	CONCRETE	PCB Remediation Debris	08/06/86	7.4	698	316.61	0.835
119	CAS-02879	PAD94C17930	CONCRETE	PCB Remediation Debris	08/06/86	7.4	809	366.95	0.990
3966	CAS-02987	PAD94C17550	GRAVEL	PCB Remediation Debris	08/07/86	7.4	864	391.90	1.066
3967	CAS-03028	PAD94C16336	GRAVEL	PCB Remediation Debris	08/08/86	7.4	754	342.01	0.913
3967	CAS-03039	PAD94C16337	GRAVEL	PCB Remediation Debris	08/08/86	7.4	874	396.44	1.080
3967	CAS-03058	PAD94C17541	GRAVEL	PCB Remediation Debris	08/07/86	7.4	783	355.16	0.953
3967	CAS-03077	PAD94C17431	GRAVEL	PCB Remediation Debris	08/08/86	7.4	861	390.54	1.062
3967	CAS-03094	PAD94C16332	GRAVEL	PCB Remediation Debris	08/08/86	7.4	851	386.01	1.048
3967	CAS-03095	PAD94C16330	GRAVEL	PCB Remediation Debris	08/08/86	7.4	851	386.01	1.048
3967	CAS-03097	PAD94C17430	GRAVEL	PCB Remediation Debris	08/08/86	7.4	811	367.86	0.992
3967	CAS-03105	PAD94C16333	GRAVEL	PCB Remediation Debris	08/08/86	7.4	746	338.38	0.902
3967	CAS-03106	PAD94C16385	GRAVEL	PCB Remediation Debris	08/08/86	7.4	761	345.18	0.923
3967	CAS-03126	PAD94C17538	GRAVEL	PCB Remediation Debris	08/08/86	7.4	772	350.17	0.938
3967	CAS-03129	PAD94C16386	GRAVEL	PCB Remediation Debris	08/08/86	7.4	738	334.75	0.891
3967	CAS-03140	PAD94C16331	GRAVEL	PCB Remediation Debris	08/08/86	7.4	797	361.51	0.973
3968	CAS-03153	PAD94C16387	GRAVEL	PCB Remediation Debris	08/11/86	7.4	795	360.60	0.970
3968	CAS-03158	PAD94C17519	GRAVEL	PCB Remediation Debris	08/11/86	7.4	795	360.60	0.970
3968	CAS-03159	PAD94C17408	GRAVEL	PCB Remediation Debris	08/11/86	7.4	817	370.58	1.001
3968	CAS-03172	PAD94C17770	GRAVEL	PCB Remediation Debris	08/11/86	7.4	838	380.11	1.030
3968	CAS-03183	PAD94C17768	GRAVEL	PCB Remediation Debris	08/11/86	7.4	814	369.22	0.997
4139	CAS-03542	PAD94C15867	CONCRETE	PCB Remediation Debris	08/27/86	7.4	844	382.83	1.038
3940	CAS-04153	PAD94C15872	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	726	329.31	0.874
3940	CAS-04206	PAD94C15798	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	699	317.06	0.836
3940	CAS-04230	PAD94C15799	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	678	307.53	0.807
3941	CAS-04242	PAD94C15767	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	731	331.57	0.881
3941	CAS-04263	PAD94C15868	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	690	312.98	0.824
3941	CAS-04273	PAD94C15863	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	718	325.68	0.863
3941	CAS-04289	PAD94C15871	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	742	336.56	0.896
6326	CAS-04742	PAD94C15864	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	819	371.49	1.004
6326	CAS-04775	PAD94C15766	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	838	380.11	1.030
6331	CAS-05219	PAD94C18165	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	855	387.82	1.054
6332	CAS-05304	PAD94C18376	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	831	376.93	1.020
6334	CAS-05542	PAD94C18166	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/26/87	7.4	827	375.12	1.015
Totals		50				370	38173	17315	46

CERTIFICATE OF DISPOSAL

3 mi. S. Ext. 49, I-80 Clive, Utah
84029 EPA ID: UT982598898

DOE, PGDP/Paducah,

This Certificate acknowledges that the following manifested shipments:

Shipment	Manifest	Date(s) of Disposal	Cu/Ft	Process	Disposal Location
6202-13-0002	54610	4/14/2008	192	Landfill	Mixed Waste

JAN 13 2009

Representing 192 Cubic feet of waste disposed of at EnergySolutions' above listed Disposal Facility landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse C. Garcia
Mixed Waste Site Manager

4/22/08
Date

423West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number: KY 8890008982	2. Page 1 of 2	3. Emergency Response Phone: 1-270-441-6211	4. Manifest Tracking Number: 001754610 JJK

GENERATOR

5. Generator's Name and Mailing Address:
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address):
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987763085

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Am-241, Cs-137, K-40, Np-237, Pb-210, Pu-238, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 21 MBq, Fissile Excepted	1	CM	545	K	
X	2. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Am-241, Cs-137, K-40, Np-237, Pb-210, Pu-238, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 82 MBq, Fissile Excepted	1	CM	1099	K	
	3.					
	4.					

14. Special Handling Instructions and Additional Information
~~Truck: 912~~ Trailer: U36952 TID: 0017766 Truck: 3428 PCB Start Date: 02/16/05
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
If undeliverable, return to generator
Shipment ID: 6202-13-0002

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David R DelaCruz on behalf of US DOE — Signature: [signature] — Month/Day/Year: 03/28/08

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jeff Brooks — Signature: [signature] — Month/Day/Year: 03/28/08
Transporter 2 Printed/Typed Name: — Signature: — Month/Day/Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

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BY: TS

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129	H129		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee — Signature: [signature] — Month/Day/Year: 3/31/08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Manifest Number: 001754610 JJK
Shipment Number: 6202-13-0002
PCB Attachment
Date Shipped: 03/28/08

RFD	WASTE ID	DESCRIPTION	PCB START DATE (date removed from service)	NET VOL (ft3)	GROSS WT (lb)	GROSS WT (Kg)	Associated RFDs
117023	117023-01	PCB Wire	2/16/2005	37	1920	871	116326-01
		Hyd rams					113739-01
		bottles					116222-01
		elec pot heads					W08059
117016	117016-01	Speed increaser	1/30/2006	43	3140	1424	W07346
		sheet metal cap and fan blade					W07926
		PACM / PCB cable					116524-01
		PCB wire					116651-01
					5060	2295	

ENERGYSOLUTIONS

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT982598898

DOE, Paducah, Paducah

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (Cu/Ft)	Process	Disposal Location
9306-02-0011	54614	06/18/2008	249.9	Landfill	Mixed Waste

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BY: TS

The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

6/23/08
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number KY 8890008982	2. Page 1 of 4	3. Emergency Response Phone 1-270-441-6211	4. Manifest Tracking Number 001754614 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Hillman Transport Services
U.S. EPA ID Number TND987783085

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, Tc-99, U-234, U-235, U-238, Solid/Oxide, 42.9 MBq, Fissile Excepted	1	DM	74	K	F001	F002	U228
X	2. Waste Radioactive material, low specific activity (LSA-I), 7, UN2912, Am-241, Np-237, Pu-239, Tc-99, Th-228, Th-230, U-Dep, Solid/Oxide, 1.28 MBq, Fissile Excepted	1	DM	48	K	F001		
X	3. Waste Radioactive material, low specific activity (LSA-I), 7, UN2912, Am-241, Np-237, Pu-239, Tc-99, Th-228, Th-230, U-Dep, Solid/Oxide, 0.658 MBq, Fissile Excepted	1	DM	24	K	F001		
X	4. Waste Radioactive material, low specific activity (LSA-I), 7, UN2912, Am-241, Np-237, Pu-239, Tc-99, Th-228, Th-230, U-Dep, Solid/Oxide, 0.304 MBq, Fissile Excepted	1	DM	11	K	F001		

14. Special Handling Instructions and Additional Information
Truck: 900 Trailer: W43037 TID: 0017782 Accumulation Start Date: 07/12/89 PCB Start Date: 07/12/89
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See Attachment for Additional Info Shipment ID: 9306-02-0011

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE
Signature: Carrie Maxie
Month 04 Day 29 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Marsha McLain
Signature: Marsha McLain
Month 04 Day 29 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

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JUN 30 2008
BY:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. H129 3. H129 H129

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee
Signature: Justin Lee 6/30/08
Month 5 Day 2 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **DESIGNATED FACILITY TO GENERATOR**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number	22. Page	23. Manifest Tracking Number
	KY 8890008982	2	001754614 JJK

24. Generator's Name
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053

25. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

26. Transporter _____ Company Name — U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes		
X	Waste Radioactive material, low specific activity (LSA-I), 7, UN2912, Am-241, Np-237, Pu-239, Tc-99, Th-228, Th-230, U-Dep, Solid/Oxide, 1.02 MBq, Fissile Excepted	1	DM	38	K	F001		
X	Waste Radioactive material, low specific activity (LSA-I), 7, UN2912, Am-241, Np-237, Pu-239, Tc-99, Th-228, Th-230, U-Dep, Solid/Oxide, 0.547 MBq, Fissile Excepted	1	DM	20	K	F001		
X	Waste Radioactive material, low specific activity (LSA-I), 7, UN2912, Am-241, Np-237, Pu-239, Tc-99, Th-228, Th-230, U-Dep, Solid/Oxide, 1.09 MBq, Fissile Excepted	1	DM	41	K	F001		
X	Waste Radioactive material, low specific activity (LSA-I), 7, UN2912, Am-241, Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 0.447 MBq, Fissile Excepted	1	DM	14	K	F001		
X	Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, Am-241, Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 1.64 MBq, Fissile Excepted	1	DM	15	K	F001	F002	F005
						F007	U075	U228
X	Waste Radioactive material, low specific activity (LSA-I), 7, UN2912, Am-241, Np-237, Pu-239, Tc-99, Th-228, Th-230, U-Dep, Solid/Oxide, 0.038 MBq, Fissile Excepted	1	DM	20	K	F001	F002	F005
X	Waste Radioactive material, low specific activity (LSA-I), 7, UN2912, Am-241, Np-237, Pu-239, Tc-99, Th-228, Th-230, U-Dep, Solid/Oxide, 0.136 MBq, Fissile Excepted	1	DM	70	K	F001	F002	F005
X	Waste Radioactive material, low specific activity (LSA-I), 7, UN2912, Am-241, Np-237, Pu-239, Tc-99, Th-228, Th-230, U-Dep, Solid/Oxide, 0.031 MBq, Fissile Excepted	1	DM	16	K	F001	F002	F005
X	Waste Radioactive material, low specific activity (LSA-I), 7, UN2912, Am-241, Np-237, Tc-99, Th-228, Th-230, U-Dep, Solid/Oxide, 0.474 MBq, Fissile Excepted	1	DM	18	K	F001		
X	Waste Radioactive material, low specific activity (LSA-I), 7, UN2912, Am-241, Np-237, Pu-239, Tc-99, Th-228, Th-230, U-Dep, Solid/Oxide, 0.014 MBq, Fissile Excepted	1	DM	7	K	F001	F002	F005

32. Special Handling Instructions and Additional Information
Accumulation Start Date: 09/11/91 PCB Start Date: 07/03/91
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See Attachment for Additional Info Shipment ID: 9306-02-0011

GENERATOR

TRANSPORTER

33. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Marsha McLain Signature: Marsha McLain Month: 04 Day: 29 Year: 08

34. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

35. Discrepancy

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JUN 30 2008
BY: 6/30/08

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

H129	H129	H129	H129	H129
H129	H129	H129	H129 6/30/08	H129

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number	22. Page	23. Manifest Tracking Number
	KY 8890008982	3	001754814 JJK

24. Generator's Name
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053

25. Transporter 1 Company Name: Specialty Transport Inc. U.S. EPA ID Number: TNR000011247

26. Transporter ____ Company Name: U.S. EPA ID Number:

GENERATOR

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes		
X	Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ (Lead, PCB), Am-241, Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 1.29 MBq, Fissile Excepted	1	DM	8	K	D006	D007	D008
X	Waste Radioactive material, low specific activity (LSA-I), 7, UN2912, Am-241, Np-237, Pu-239, Tc-99, Th-228, Th-230, U-Dep, Solid/Oxide, 0.255 MBq, Fissile Excepted	1	DM	10	K	F001		
X	Waste Radioactive material, low specific activity (LSA-I), 7, UN2912, Np-237, Pu-239, Tc-99, Th-228, Th-230, U-Dep, Solid/Oxide, 1.78 MBq, Fissile Excepted	1	DM	35	K	D006		
X	Waste Radioactive material, low specific activity (LSA-I), 7, UN2912, Am-241, Np-237, Pu-239, Tc-99, Th-228, Th-230, U-Dep, Solid/Oxide, 0.014 MBq, Fissile Excepted	1	DM	3	K	F001		
X	Waste Radioactive material, low specific activity (LSA-I), 7, UN2912, Am-241, Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 0.008 MBq, Fissile Excepted	1	DM	2	K	D006	F001	
X	Hazardous waste solid, n.o.s., 9, NA3077, PG-III, (Trichloroethylene)	1	DM	11	K	F001		
X	Hazardous waste solid, n.o.s., 9, NA3077, PG-III, (Trichloroethylene, Lead)	1	DM	14	K	D006	F001	

32. Special Handling Instructions and Additional Information
Accumulation Start Date: 07/30/90 PCB Start Date: 04/27/84
ERG # 162 , 171 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See Attachment for Additional Info Shipment ID: 9308-02-0011

TRANSPORTER

33. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Marsha McLaren Signature: Marsha McLaren Month: 04 Day: 29 Year: 08

34. Transporter ____ Acknowledgment of Receipt of Materials
Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

H129	H129	H129	H129
H129	H129		

RECEIVED JUN 03 2008 6/3/08

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 4 of 4

Manifest Number: 001754614 JJK
Shipment ID Number: 9306-02-0011
Shipment Date: 4/29/2008

UHWM Section	RFD	Container / WASTE ID	Barcode Number	Description	Accumulation Start Date	PCB Date to Storage	Net Volume (ft3)	Net Wt (lb)	Net Wt (Kg)	Gross Wt (lb)	Gross Wt (Kg)	Activity MBq
Page 1 - 9b.1	7317	3340	PAD03C00841	TCE CONTAMINATED WOOD & PLASTIC	7/12/1989	7/12/1989	7.4	164	74.39	300	136.08	42.94
Page 1 - 9b.2	18426	4991	PAD03C00655	ZORBALL/RAGS/TYVEKS/GLVS/HYPALON	8/22/1991	8/22/1991	7.4	105	47.63	241	109.32	1.28
Page 1 - 9b.3	29314	6235	PAD03C00500	PPE/ABSORBENTS	1/19/1993	1/19/1993	7.4	54	24.49	190	86.18	0.66
Page 1 - 9b.4	31680	6420	PAD03C00656	COLLECTION FOR PPE/RAGS	3/26/1993	3/22/1993	7.4	25	11.34	161	73.03	0.30
Page 2 - 27b.1	38164	6560	PAD03C00162	HYPALON, PPE, PLASTIC	4/14/1993	4/14/1993	7.4	84	38.10	220	99.79	1.02
Page 2 - 27b.2	28023	6849	PAD03C00339	PPE FROM PUMPING OF TANK A	7/2/1993	7/1/1993	7.4	45	20.41	181	82.10	0.55
Page 2 - 27b.3	39113	7096	PAD03C00768	TANK SLUDGE/PPE/PLASTIC/RAGS	1/12/1994	1/12/1994	7.4	90	40.82	226	102.51	1.09
Page 2 - 27b.4	103288	103288-01	PAD03C00336	PLASTIC DEBRIS, PADS, PAPER CONSOLIDATED FROM LDR98007 LAB PACK SAMPLES.	9/11/1991	7/3/1991	7.4	30	13.61	166	75.30	0.45
Page 2 - 27b.5	109171	109171-01	PAD08C05063	PPE/PADS/RAGS/MASLIN ORIGINALLY 101542-01. (PAD99C01086)	9/9/1999	9/9/1999	7.4	33	14.97	169	76.66	1.64
Page 2 - 27b.6	51805	51805-01	PAD03C00321	RAGS/PPE/GLOVES/RAGS (F001)	11/1/1995	11/1/1995	7.4	44	19.96	180	81.65	0.04
Page 2 - 27b.7	52764	52764-01	PAD03C00349	PPE/RAGS/PAD/SHOVEL	8/15/1996	8/15/1996	7.4	155	70.31	291	131.99	0.14
Page 2 - 27b.8	52849	52849-01	PAD03C00372	SAMPLING DEBRIS:PPE/PAPER/PLASTC	12/9/1996	12/9/1996	7.4	35	15.88	171	77.56	0.03
Page 2 - 27b.9	54041	54041-02	PAD03C00133	PPE/HOSE/HYPALON	9/14/1996	9/14/1996	7.4	39	17.69	175	79.38	0.47
Page 2 - 27b.10	55529	55529-01	PAD03C00666	LDR SHREDDER DEBRIS	1/6/1997	1/22/1997	7.4	16	7.26	152	68.95	0.01
Page 3 - 27b.1	55723	55723-01	PAD03C00168	PPE/PADS/PLASTIC	2/10/1993	6/17/1993	7.4	18	8.16	154	69.85	1.29
Page 3 - 27b.2	55751	55751-01	PAD03C00669	PPE/RAGS/KIMWIPES/PADS/GLOVES	2/26/1997	11/14/1996	7.4	21	9.53	157	71.21	0.26
Page 3 - 27b.3	92052	CAS-02253	PAD03C01250	MISCELLANEOUS PCB WASTE	12/20/2000	4/27/1984	7.4	78	35.38	214	97.07	1.78
Page 3 - 27b.4	2025	CAS-09795	PAD03C00340	TRASH/PLASTIC	12/20/2000	11/9/1989	7.4	6	2.72	142	64.41	0.01
Page 3 - 27b.5	2025	CAS-09798	PAD03C00433	TRASH/PLASTIC	12/20/2000	11/9/1989	7.4	4	1.81	140	63.50	0.09
Page 3 - 27b.6	9185	HC-0890	PAD03C00166	HYPALON	7/30/1990	7/30/1990	7.4	25	11.34	161	73.03	0.01
Page 3 - 27b.7	12575	HC-1395	PAD03C00426	LAB WASTE, PAPER AND PLASTIC	6/13/1991	6/13/1991	7.4	30	13.61	166	75.30	0.04
		Totals	**21**				**155.4**	**1101**	**499.40259**	**3957**	**1794.86**	**54.09**

ENERGYSOLUTIONS

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT982598898

DOE, PGDP/Paducah,

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (Cu/Ft)	Process	Disposal Location
6202-13-0003	54619	05/23/2008	1,360.0	Landfill	Mixed Waste

JAN 13 2009
TS

The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

6/2/08
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number: KY 8890008862 | 2. Page 1 of: 2 | 3. Emergency Response Phone: 1-270-441-6211 | 4. Manifest Tracking Number: 001754619 JJK

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-6800

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. | U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name | U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-6155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Am-241, Cs-137, K-40, Np-237, Pb-210, Pu-238, Pu-239, Tc-99, Th-230, U-Depl, Solid/Cubic, 210 MBq, Plastic Excepted	1	CM	5334	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 355 Trailer: 4819 TIDs: 0010040 0010027 0010004 PCB Start Date: 09/12/08
ERG # 162 In the event of an RQ Release, call 1-800-424-9802 If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info Shipment ID: 6202-13-0003

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Marie on behalf of USDOE | Signature: Carrie Marie | Month: 05 | Day: 06 | Year: 08

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JAMES LEE PAYNE | Signature: James Lee Payne | Month: 5 | Day: 6 | Year: 08

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

RECEIVED JUN 30 2008 BY:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. H129 | 2. | 3. | 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Quest | Signature: Quest | Month: 5 | Day: 9 | Year: 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

[redacted]

6202-13 - 0003

[redacted]

Manifest Number: 001754619 JJK
Shipment Number: 6202-13-0003
PCB Attachment and Additional Info
Date Shipped: 05/06/08

RFD	WASTE ID	CONTAINER ID	DESCRIPTION	PCB START DATE (date removed from service)	NET VOL (ft3)	NET WT (lb)	NET WT (Kg)	Associated RFDs
117033	117033-01	215706-5	HYDRAULIC CYLINDER (CONTAINED NO OIL)	04/24/08	5.885	233	105.68647	W08118
			HYDRAULIC CYLINDER (CONTAINED NO OIL)	04/24/08	5.885	233	105.68647	W08117
			HYDRAULIC CYLINDER (CONTAINED NO OIL)	04/24/08	5.885	235	106.59365	W08359
			HYDRAULIC CYLINDER (CONTAINED NO OIL)	04/24/08	5.885	233	105.68647	W08358
			HYDRAULIC CYLINDER (CONTAINED NO OIL)	04/24/08	5.885	235	105.68647	W08357
			COLLECTION CONTAINER OF PCB SOLIDS	03/12/08	7.5	130	58.9667	117026-01
			Additional LLW Debris	N/A	244.125	10463	4746.91217	W08116, 111957-01, W07328, W08119, 111401-01
			Totals		281.05	11760	5334.2184	

Page 2 of 2

6202-13 - 0003

ENERGYSOLUTIONS

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT982598898

DOE, PGDP/Paducah,

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (Cu/Ft)	Process	Disposal Location
6202-15-0063	54620	06/16/2008	772.5	Landfill	Mixed Waste
6202-15-0064	54621	06/16/2008	750.0	Landfill	Mixed Waste
6202-15-0068	54625	06/16/2008	743.8	Landfill	Mixed Waste
6202-15-0069	54626	06/16/2008	750.0	Landfill	Mixed Waste
6202-15-0070	54627	06/16/2008	732.8	Landfill	Mixed Waste

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TS

The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

6/23/08
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number KY 8890008982	2. Page 1 of 3	3. Emergency Response Phone 1-270-441-6211	4. Manifest Tracking Number 001754620 JJK

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hillman Transport Services — U.S. EPA ID Number: TND987763085

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ (PCB, Asbestos), Am-241, Tc-99, U-234, U-235, U-238, Solid/Oxide, 210 MBq, Fissile Excepted	103	DM	3201	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information Truck: 013 Van: 036 TID: 0031359
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 10/18/1989
If undeliverable, return to generator
Shipment ID: 6202-15-0063

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Marie on behalf of USDOE | Signature: [signature] | Month Day Year: 05 27 08

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Don McPeters | Signature: [signature] | Month Day Year: 05 27 08
Transporter 2 Printed/Typed Name | Signature | Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

RECEIVED JUN 30 2008 BY: [initials]

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARDNER | Signature: [signature] | Month Day Year: 05 30 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

6202-15 - 0063

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754620JJK
Shipment ID Number: 6202-15-0063
Shipment Date: 5/27/2008

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
6842	CAS-09097	PAD94C23053	ASBESTOS/AUTOCLAVES	10/18/89	7.4	93	42.18	1.101
6842	CAS-09098	PAD94C23013	ASBESTOS/AUTOCLAVES	10/18/89	7.4	93	42.18	1.101
6842	CAS-09099	PAD94C23054	ASBESTOS/AUTOCLAVES	10/18/89	7.4	93	42.18	1.101
6842	CAS-09100	PAD94C23014	ASBESTOS/AUTOCLAVES	10/18/89	7.4	93	42.18	1.101
6842	CAS-09105	PAD94C22913	ASBESTOS/AUTOCLAVES	10/18/89	7.4	92	41.73	1.071
6842	CAS-09106	PAD94C22985	ASBESTOS/AUTOCLAVES	10/18/89	7.4	92	41.73	1.071
6842	CAS-09107	PAD94C22914	ASBESTOS/AUTOCLAVES	10/18/89	7.4	92	41.73	1.071
6842	CAS-09108	PAD94C22954	ASBESTOS/AUTOCLAVES	10/18/89	7.4	92	41.73	1.071
6842	CAS-09109	PAD94C23035	ASBESTOS/AUTOCLAVES	10/18/89	7.4	106	48.08	1.488
6842	CAS-09110	PAD94C22985	ASBESTOS/AUTOCLAVES	10/18/89	7.4	106	48.08	1.488
6842	CAS-09111	PAD94C23036	ASBESTOS/AUTOCLAVES	10/18/89	7.4	106	48.08	1.488
6842	CAS-09112	PAD94C22986	ASBESTOS/AUTOCLAVES	10/18/89	7.4	106	48.08	1.488
6842	CAS-09113	PAD94C23033	ASBESTOS/AUTOCLAVES	10/18/89	7.4	73	33.11	0.806
6842	CAS-09114	PAD94C22993	ASBESTOS/AUTOCLAVES	10/18/89	7.4	73	33.11	0.506
6842	CAS-09115	PAD94C23034	ASBESTOS/AUTOCLAVES	10/18/89	7.4	73	33.11	0.506
6842	CAS-09116	PAD94C22994	ASBESTOS/AUTOCLAVES	10/18/89	7.4	73	33.11	0.506
6842	CAS-09125	PAD94C23060	ASBESTOS/AUTOCLAVES	10/18/89	7.4	80	36.29	0.714
6842	CAS-09126	PAD94C23019	ASBESTOS/AUTOCLAVES	10/18/89	7.4	80	36.29	0.714
6842	CAS-09128	PAD94C23020	ASBESTOS/AUTOCLAVES	10/18/89	7.4	80	36.29	0.714
6842	CAS-09129	PAD94C22980	ASBESTOS/AUTOCLAVES	10/18/89	7.4	112	50.80	1.887
6842	CAS-09130	PAD94C22907	ASBESTOS/AUTOCLAVES	10/18/89	7.4	112	50.80	1.887
6842	CAS-09131	PAD94C22981	ASBESTOS/AUTOCLAVES	10/18/89	7.4	112	50.80	1.887
6842	CAS-09132	PAD94C22908	ASBESTOS/AUTOCLAVES	10/18/89	7.4	112	50.80	1.887
6842	CAS-09133	PAD94C23055	ASBESTOS/AUTOCLAVES	10/18/89	7.4	112	50.80	1.887
6842	CAS-09134	PAD94C23015	ASBESTOS/AUTOCLAVES	10/18/89	7.4	112	50.80	1.887
6842	CAS-09135	PAD94C23056	ASBESTOS/AUTOCLAVES	10/18/89	7.4	112	50.80	1.887
6842	CAS-09136	PAD94C23016	ASBESTOS/AUTOCLAVES	10/18/89	7.4	112	50.80	1.887
6842	CAS-09137	PAD94C23057	ASBESTOS/AUTOCLAVES	10/18/89	7.4	125	56.70	2.054
6842	CAS-09138	PAD94C23017	ASBESTOS/AUTOCLAVES	10/18/89	7.4	125	56.70	2.054
6842	CAS-09139	PAD94C23058	ASBESTOS/AUTOCLAVES	10/18/89	7.4	125	56.70	2.054
6842	CAS-09140	PAD94C23018	ASBESTOS/AUTOCLAVES	10/18/89	7.4	125	56.70	2.054
6842	CAS-09141	PAD94C22910	ASBESTOS/AUTOCLAVES	10/18/89	7.4	115	52.16	1.756
6842	CAS-09142	PAD94C22987	ASBESTOS/AUTOCLAVES	10/18/89	7.4	115	52.16	1.756
6842	CAS-09143	PAD94C22911	ASBESTOS/AUTOCLAVES	10/18/89	7.4	115	52.16	1.756
6842	CAS-09144	PAD94C22988	ASBESTOS/AUTOCLAVES	10/18/89	7.4	115	52.16	1.756
6842	CAS-09145	PAD94C22958	ASBESTOS/AUTOCLAVES	10/18/89	7.4	83	37.65	0.804
6842	CAS-09146	PAD94C22909	ASBESTOS/AUTOCLAVES	10/18/89	7.4	83	37.65	0.804
6842	CAS-09147	PAD94C22959	ASBESTOS/AUTOCLAVES	10/18/89	7.4	83	37.65	0.804
6842	CAS-09148	PAD94C22906	ASBESTOS/AUTOCLAVES	10/18/89	7.4	83	37.65	0.804
6842	CAS-09149	PAD94C23043	ASBESTOS/AUTOCLAVES	10/18/89	7.4	97	44.00	1.220
6842	CAS-09150	PAD94C23003	ASBESTOS/AUTOCLAVES	10/18/89	7.4	97	44.00	1.220
6842	CAS-09151	PAD94C23044	ASBESTOS/AUTOCLAVES	10/18/89	7.4	97	44.00	1.220
6842	CAS-09152	PAD94C23004	ASBESTOS/AUTOCLAVES	10/18/89	7.4	97	44.00	1.220
6842	CAS-09153	PAD94C23037	ASBESTOS/AUTOCLAVES	10/18/89	7.4	136	61.69	2.381
6842	CAS-09154	PAD94C22997	ASBESTOS/AUTOCLAVES	10/18/89	7.4	136	61.69	2.381
6842	CAS-09155	PAD94C23038	ASBESTOS/AUTOCLAVES	10/18/89	7.4	136	61.69	2.381
6842	CAS-09156	PAD94C22998	ASBESTOS/AUTOCLAVES	10/18/89	7.4	136	61.69	2.381
6842	CAS-09161	PAD94C22904	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.369
6842	CAS-09162	PAD94C22963	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.369
6842	CAS-09163	PAD94C22905	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.369
6842	CAS-09164	PAD94C22962	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.369

PCB and Additional Information Attachment, Page 3 of 3
Manifest Number: 001754620JJK
Shipment ID Number: 6202-15-0083
Shipment Date: 5/27/2008

RFID	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (yd3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
6842	CAS-09166	PAD94C26239	ASBESTOS/AUTOCLAVES	10/18/89	7.4	126	57.15	2.083
6842	CAS-09167	PAD94C26220	ASBESTOS/AUTOCLAVES	10/18/89	7.4	117	53.07	1.815
6842	CAS-09169	PAD94C26240	ASBESTOS/AUTOCLAVES	10/18/89	7.4	117	53.07	1.815
6842	CAS-09171	PAD94C26241	ASBESTOS/AUTOCLAVES	10/18/89	7.4	117	53.07	1.815
6842	CAS-09172	PAD94C26221	ASBESTOS/AUTOCLAVES	10/18/89	7.4	117	53.07	1.815
6842	CAS-09173	PAD94C23008	ASBESTOS/AUTOCLAVES	10/18/89	7.4	112	50.80	1.667
6842	CAS-09174	PAD94C23048	ASBESTOS/AUTOCLAVES	10/18/89	7.4	112	50.80	1.667
6842	CAS-09176	PAD94C23045	ASBESTOS/AUTOCLAVES	10/18/89	7.4	112	50.80	1.667
6842	CAS-09181	PAD94C23041	ASBESTOS/AUTOCLAVES	10/18/89	7.4	96	43.09	1.161
6842	CAS-09182	PAD94C23002	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-09183	PAD94C23042	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-09184	PAD94C23001	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-09185	PAD94C22994	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-09186	PAD94C22993	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-09187	PAD94C22985	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-09188	PAD94C22992	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-09189	PAD94C23000	ASBESTOS/AUTOCLAVES	10/18/89	7.4	123	55.79	1.994
6842	CAS-09190	PAD94C23040	ASBESTOS/AUTOCLAVES	10/18/89	7.4	123	55.79	1.994
6842	CAS-09191	PAD94C22999	ASBESTOS/AUTOCLAVES	10/18/89	7.4	123	55.79	1.994
6842	CAS-09192	PAD94C23039	ASBESTOS/AUTOCLAVES	10/18/89	7.4	123	55.79	1.994
6842	CAS-09217	PAD94C26236	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09218	PAD94C26216	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09219	PAD94C26237	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09220	PAD94C26217	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09225	PAD94C26238	ASBESTOS/AUTOCLAVES	10/18/89	7.4	126	57.15	2.083
6842	CAS-09226	PAD94C26218	ASBESTOS/AUTOCLAVES	10/18/89	7.4	126	57.15	2.083
6842	CAS-09228	PAD94C26219	ASBESTOS/AUTOCLAVES	10/18/89	7.4	126	57.15	2.083
6842	CAS-09321	PAD94C26270	ASBESTOS/AUTOCLAVES	10/18/89	7.4	101	45.81	1.339
6842	CAS-09322	PAD94C26286	ASBESTOS/AUTOCLAVES	10/18/89	7.4	101	45.81	1.339
6842	CAS-09323	PAD94C26271	ASBESTOS/AUTOCLAVES	10/18/89	7.4	101	45.81	1.339
6842	CAS-09324	PAD94C26287	ASBESTOS/AUTOCLAVES	10/18/89	7.4	101	45.81	1.339
41678	CAS-17534	PAD95C00640	ELECTRICAL WIRE-PCB/ASBESTOS	01/05/95	7.4	138	62.60	2.440
43181	CAS-17608	PAD95C01840	WIRING/ASBESTOS/INSULATION	04/29/93	7.4	203	92.08	4.375
43181	CAS-17609	PAD95C01848	WIRING/ASBESTOS/INSULATION	04/29/93	7.4	192	87.09	4.048
43181	CAS-17611	PAD95C02064	WIRING/ASBESTOS/INSULATION	04/29/93	7.4	204	92.53	4.405
43181	CAS-17612	PAD95C02066	WIRING/ASBESTOS/INSULATION	04/29/93	7.4	137	62.14	2.411
43181	CAS-17613	PAD95C01844	WIRING/ASBESTOS/INSULATION	04/29/93	7.4	139	63.06	2.470
43181	CAS-17615	PAD95C01845	WIRING/ASBESTOS/INSULATION	04/29/93	7.4	176	79.83	3.571
43181	CAS-17616	PAD95C01842	WIRING/ASBESTOS/INSULATION	04/29/93	7.4	240	108.86	5.476
43181	CAS-17618	PAD95C02055	WIRING/ASBESTOS/INSULATION	04/29/93	7.4	233	105.69	5.268
43181	CAS-17620	PAD95C02058	WIRING/ASBESTOS/INSULATION	04/29/93	7.4	180	81.65	3.690
43181	CAS-17621	PAD95C02059	WIRING/ASBESTOS/INSULATION	04/29/93	7.4	196	88.90	4.167
43181	CAS-17622	PAD95C02060	WIRING/ASBESTOS/INSULATION	04/29/93	7.4	233	105.69	5.268
43181	CAS-17623	PAD95C02057	WIRING/ASBESTOS/INSULATION	04/29/93	7.4	179	81.19	3.661
43181	CAS-17624	PAD95C01846	WIRING/ASBESTOS/INSULATION	04/29/93	7.4	221	100.24	4.911
43181	CAS-17625	PAD95C01841	WIRING/ASBESTOS/INSULATION	04/29/93	7.4	178	80.74	3.631
43181	CAS-17626	PAD95C01847	WIRING/ASBESTOS/INSULATION	04/29/93	7.4	170	77.11	3.393
43181	CAS-17627	PAD95C01839	WIRING/ASBESTOS/INSULATION	04/29/93	7.4	270	122.47	6.389
45092	CAS-17838	PAD95C02053	ASBESTOS TRANSITE	04/29/93	7.4	240	108.86	5.476
44856	CAS-17919	PAD95C00382	TRANSITE ASBESTOS	04/29/93	7.4	207	93.89	4.494
44858	CAS-17920	PAD95C00380	TRANSITE ASBESTOS	04/29/93	7.4	234	106.14	5.298
43179	CAS-18073	PAD95C00511	ASBESTOS TRANSITE	04/29/93	7.4	232	105.23	5.236
	Totals	103			762.2	12828	5817.78	216.890

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-8211	001754621 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5900 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND067783085

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Built Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone: — U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ (PCB, Asbestos), Am-241, Tc-99, U-234, U-235, U-238, Solid/Oxide, 145 MBq, Fissile Excepted	100	DM	2216	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
For Emergency Response - Contact PGDP PSS at 1-270-441-8211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 10/18/1989
If undeliverable, return to generator
Shipment ID: 6202-15-0064

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David R DeLaCruz on behalf of U.S. DOE — Signature: David R DeLaCruz — Month 05 Day 30 Year 08

INTL

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

TRANSPORTER

17. Transporter Acknowledgement of Receipt of Materials
Transporter 1 Printed/Typed Name: Hittman STEPHENS — Signature — Month 6 Day 30 Year 08
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED JUN 30 2008 BY:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee — Signature — Month 6 Day 2 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

6202-15 - 0064

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754821 JJK
Shipment ID Number: 6202-15-0064
Shipment Date: 5/30/2008

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
6842	CAS-09157	PAD94C26242	ASBESTOS/AUTOCLAVES	10/18/89	7.4	110	49.89	1.607
6842	CAS-09158	PAD94C26222	ASBESTOS/AUTOCLAVES	10/18/89	7.4	110	49.89	1.607
6842	CAS-09159	PAD94C26243	ASBESTOS/AUTOCLAVES	10/18/89	7.4	110	49.89	1.607
6842	CAS-09160	PAD94C26229	ASBESTOS/AUTOCLAVES	10/18/89	7.4	110	49.89	1.607
6842	CAS-09165	PAD94C26310	ASBESTOS/AUTOCLAVES	10/18/89	7.4	110	49.89	1.607
6842	CAS-09168	PAD94C26294	ASBESTOS/AUTOCLAVES	10/18/89	7.4	110	49.89	1.607
6842	CAS-09170	PAD94C26286	ASBESTOS/AUTOCLAVES	10/18/89	7.4	110	49.89	1.607
6842	CAS-09193	PAD94C26214	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.389
6842	CAS-09194	PAD94C26194	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.389
6842	CAS-09195	PAD94C26215	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.389
6842	CAS-09196	PAD94C26195	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.389
6842	CAS-09197	PAD94C26291	ASBESTOS/AUTOCLAVES	10/18/89	7.4	113	51.26	1.696
6842	CAS-09198	PAD94C26307	ASBESTOS/AUTOCLAVES	10/18/89	7.4	113	51.26	1.696
6842	CAS-09199	PAD94C26290	ASBESTOS/AUTOCLAVES	10/18/89	7.4	113	51.26	1.696
6842	CAS-09200	PAD94C26306	ASBESTOS/AUTOCLAVES	10/18/89	7.4	113	51.26	1.696
6842	CAS-09201	PAD94C26299	ASBESTOS/AUTOCLAVES	10/18/89	7.4	97	44.00	1.220
6842	CAS-09203	PAD94C26296	ASBESTOS/AUTOCLAVES	10/18/89	7.4	97	44.00	1.220
6842	CAS-09204	PAD94C26314	ASBESTOS/AUTOCLAVES	10/18/89	7.4	97	44.00	1.220
6842	CAS-09205	PAD94C26308	ASBESTOS/AUTOCLAVES	10/18/89	7.4	105	47.63	1.458
6842	CAS-09206	PAD94C26292	ASBESTOS/AUTOCLAVES	10/18/89	7.4	105	47.63	1.458
6842	CAS-09207	PAD94C26309	ASBESTOS/AUTOCLAVES	10/18/89	7.4	105	47.63	1.458
6842	CAS-09208	PAD94C26293	ASBESTOS/AUTOCLAVES	10/18/89	7.4	105	47.63	1.458
6842	CAS-09209	PAD94C26304	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.260
6842	CAS-09210	PAD94C26288	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.260
6842	CAS-09211	PAD94C26305	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.260
6842	CAS-09212	PAD94C26289	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.260
6842	CAS-09213	PAD94C26257	ASBESTOS/AUTOCLAVES	10/18/89	7.4	97	44.00	1.220
6842	CAS-09214	PAD94C26273	ASBESTOS/AUTOCLAVES	10/18/89	7.4	97	44.00	1.220
6842	CAS-09215	PAD94C26256	ASBESTOS/AUTOCLAVES	10/18/89	7.4	97	44.00	1.220
6842	CAS-09216	PAD94C26272	ASBESTOS/AUTOCLAVES	10/18/89	7.4	97	44.00	1.220
6842	CAS-09221	PAD94C26278	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.260
6842	CAS-09222	PAD94C26280	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.260
6842	CAS-09223	PAD94C26277	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.260
6842	CAS-09224	PAD94C26281	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.260
6842	CAS-09227	PAD94C26311	ASBESTOS/AUTOCLAVES	10/18/89	7.4	110	49.89	1.607
6842	CAS-09230	PAD94C26258	ASBESTOS/AUTOCLAVES	10/18/89	7.4	96	43.54	1.190
6842	CAS-09231	PAD94C26275	ASBESTOS/AUTOCLAVES	10/18/89	7.4	96	43.54	1.190
6842	CAS-09232	PAD94C26259	ASBESTOS/AUTOCLAVES	10/18/89	7.4	96	43.54	1.190
6842	CAS-09261	PAD94C26234	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09262	PAD94C26234	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09263	PAD94C26235	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09264	PAD94C26235	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09309	PAD94C26285	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-09310	PAD94C26269	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-09311	PAD94C26284	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-09312	PAD94C26268	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-09313	PAD94C26283	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-09314	PAD94C26267	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-09315	PAD94C26282	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-09316	PAD94C26266	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-09317	PAD94C26247	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.389

PCB and Additional Information Attachment, Page 3 of 3
Manifest Number: 001754621 JJK
Shipment ID Number: 6202-15-0064
Shipment Date: 5/30/2008

RPD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (YU)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
6842	CAS-09318	PAD94C26227	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.369
6842	CAS-09319	PAD94C26248	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.369
6842	CAS-09320	PAD94C26229	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.369
6842	CAS-09326	PAD94C26245	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09326	PAD94C26225	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09327	PAD94C26244	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09328	PAD94C26224	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09329	PAD94C26249	ASBESTOS/AUTOCLAVES	10/18/89	7.4	107	48.53	1.518
6842	CAS-09330	PAD94C26229	ASBESTOS/AUTOCLAVES	10/18/89	7.4	107	48.53	1.518
6842	CAS-09331	PAD94C26249	ASBESTOS/AUTOCLAVES	10/18/89	7.4	107	48.53	1.518
6842	CAS-09332	PAD94C26228	ASBESTOS/AUTOCLAVES	10/18/89	7.4	107	48.53	1.518
6842	CAS-09333	PAD94C26262	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.369
6842	CAS-09334	PAD94C26278	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.369
6842	CAS-09335	PAD94C26263	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.369
6842	CAS-09336	PAD94C26279	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.369
6842	CAS-09340	PAD94C26296	ASBESTOS/AUTOCLAVES	10/18/89	7.4	114	51.71	1.728
6842	CAS-09341	PAD94C26300	ASBESTOS/AUTOCLAVES	10/18/89	7.4	99	44.91	1.280
6842	CAS-09342	PAD94C26318	ASBESTOS/AUTOCLAVES	10/18/89	7.4	99	44.91	1.280
6842	CAS-09343	PAD94C26301	ASBESTOS/AUTOCLAVES	10/18/89	7.4	99	44.91	1.280
6842	CAS-09344	PAD94C26317	ASBESTOS/AUTOCLAVES	10/18/89	7.4	99	44.91	1.280
6842	CAS-09345	PAD94C26302	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-09346	PAD94C26316	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-09347	PAD94C26303	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-09348	PAD94C26315	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-09349	PAD94C26264	ASBESTOS/AUTOCLAVES	10/18/89	7.4	143	64.86	2.589
6842	CAS-09350	PAD94C26280	ASBESTOS/AUTOCLAVES	10/18/89	7.4	143	64.86	2.589
6842	CAS-09351	PAD94C26265	ASBESTOS/AUTOCLAVES	10/18/89	7.4	143	64.86	2.589
6842	CAS-09352	PAD94C26281	ASBESTOS/AUTOCLAVES	10/18/89	7.4	143	64.86	2.589
6842	CAS-09353	PAD94C26251	ASBESTOS/AUTOCLAVES	10/18/89	7.4	92	41.73	1.071
6842	CAS-09354	PAD94C26231	ASBESTOS/AUTOCLAVES	10/18/89	7.4	92	41.73	1.071
6842	CAS-09355	PAD94C26250	ASBESTOS/AUTOCLAVES	10/18/89	7.4	92	41.73	1.071
6842	CAS-09356	PAD94C26230	ASBESTOS/AUTOCLAVES	10/18/89	7.4	92	41.73	1.071
6842	CAS-09361	PAD94C26192	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-09362	PAD94C26212	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-09363	PAD94C26193	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-09364	PAD94C26213	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-09365	PAD94C26232	ASBESTOS/AUTOCLAVES	10/18/89	7.4	86	39.01	0.893
6842	CAS-09366	PAD94C26252	ASBESTOS/AUTOCLAVES	10/18/89	7.4	86	39.01	0.893
6842	CAS-09367	PAD94C26233	ASBESTOS/AUTOCLAVES	10/18/89	7.4	86	39.01	0.893
6842	CAS-09368	PAD94C26253	ASBESTOS/AUTOCLAVES	10/18/89	7.4	86	39.01	0.893
6842	CAS-09369	PAD94C26154	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-09391	PAD94C26113	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-09392	PAD94C26155	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-09393	PAD94C26114	ASBESTOS/AUTOCLAVES	10/18/89	7.4	76	34.47	0.595
6842	CAS-09394	PAD94C26153	ASBESTOS/AUTOCLAVES	10/18/89	7.4	76	34.47	0.595
6842	CAS-09396	PAD94C26152	ASBESTOS/AUTOCLAVES	10/18/89	7.4	76	34.47	0.595
43181	CAS-17819	PAD95C02082	WIRING/ASBESTOS/INSULATION	04/29/93	7.4	222	100.70	4.940
45092	CAS-17841	PAD95C02081	ASBESTOS TRANSITE	04/29/93	7.4	240	108.86	5.478
43179	CAS-18074	PAD95C00512	ASBESTOS TRANSITE	04/29/93	7.4	241	109.32	5.508
	Totals	**199**			**740**	**19486**	**4758.34**	**145.614**

A.J. MOTHER TRK 331 TRL 7451 Packet 1.3

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number: KY 8890008982	2. Page 1 of 3	3. Emergency Response Phone: 1-270-441-6211	4. Manifest Tracking Number: 001754625 JJK

5. Generator's Name and Mailing Address:
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address):
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ (PCB, Asbestos), Am-241, Tc-99, U-234, U-235, U-238, Solid/Oxide, 183 MBq, Fissile Excepted	101	DM	2783	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information: Truck # 331 ~~[illegible]~~ Trailer # 7451 TID 003127?
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 10/25/1988
If undeliverable, return to generator
Shipment ID: 6202-15-0068

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David R DeLaCruz on behalf of US DOE — Signature: [signature] — Month 6 Day 6 Year 08

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: — Signature: — Month Day Year
Transporter 2 Printed/Typed Name: Paul Moore — Signature: [signature] — Month 6 Day 6 Year 08

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

RECEIVED JUN 9 2008 BY: TJS

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARDNER — Signature: [signature] — Month 06 Day 09 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

6202-15 - 0068

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754625JJK
Shipment ID Number: 6202-15-0068
Shipment Date: 6/6/2008

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
3931	03931-07	PAD94C40467	ASBESTOS	06/23/00	7.4	116	52.62	1.766
6131	06131-15	PAD94C39726	ASBESTOS	06/23/00	7.4	113	51.26	1.696
103229	103229-01	PAD01C02351	PCB / ASBESTOS SOLID WASTE	02/15/00	0.67	12	5.44	0.206
103239	103239-01	PAD01C02352	PCB / ASBESTOS SAMPLE RESIDUE	03/22/00	0.67	17	7.71	0.357
5624	CAS-08231	PAD94C22152	TRENCH PIPE INSULATION	10/25/88	7.4	63	28.58	0.206
6842	CAS-08781	PAD94C27236	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.250
6842	CAS-08784	PAD94C27255	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.250
6842	CAS-08785	PAD94C27314	ASBESTOS/AUTOCLAVES	10/18/89	7.4	90	40.82	1.012
6842	CAS-08786	PAD94C27334	ASBESTOS/AUTOCLAVES	10/18/89	7.4	90	40.82	1.012
6842	CAS-08787	PAD94C27313	ASBESTOS/AUTOCLAVES	10/18/89	7.4	90	40.82	1.012
6842	CAS-08788	PAD94C27333	ASBESTOS/AUTOCLAVES	10/18/89	7.4	90	40.82	1.012
6842	CAS-08793	PAD94C27274	ASBESTOS/AUTOCLAVES	10/18/89	7.4	93	42.18	1.101
6842	CAS-08794	PAD94C27294	ASBESTOS/AUTOCLAVES	10/18/89	7.4	93	42.18	1.101
6842	CAS-08795	PAD94C27273	ASBESTOS/AUTOCLAVES	10/18/89	7.4	93	42.18	1.101
6842	CAS-08796	PAD94C27293	ASBESTOS/AUTOCLAVES	10/18/89	7.4	93	42.18	1.101
6842	CAS-08801	PAD94C27259	ASBESTOS/AUTOCLAVES	10/18/89	7.4	112	50.80	1.667
6842	CAS-08802	PAD94C27239	ASBESTOS/AUTOCLAVES	10/18/89	7.4	112	50.80	1.667
6842	CAS-08803	PAD94C27260	ASBESTOS/AUTOCLAVES	10/18/89	7.4	112	50.80	1.667
6842	CAS-08804	PAD94C27240	ASBESTOS/AUTOCLAVES	10/18/89	7.4	112	50.80	1.667
6842	CAS-08809	PAD94C26941	ASBESTOS/AUTOCLAVES	10/18/89	7.4	109	49.44	1.577
6842	CAS-08810	PAD94C27409	ASBESTOS/AUTOCLAVES	10/18/89	7.4	109	49.44	1.577
6842	CAS-08812	PAD94C27408	ASBESTOS/AUTOCLAVES	10/18/89	7.4	109	49.44	1.577
6842	CAS-08840	PAD94C27220	ASBESTOS/AUTOCLAVES	10/18/89	7.4	106	48.08	1.488
6842	CAS-08841	PAD94C26932	ASBESTOS/AUTOCLAVES	10/18/89	7.4	105	47.63	1.458
6842	CAS-08842	PAD94C27417	ASBESTOS/AUTOCLAVES	10/18/89	7.4	105	47.63	1.458
6842	CAS-08843	PAD94C26933	ASBESTOS/AUTOCLAVES	10/18/89	7.4	105	47.63	1.458
6842	CAS-08844	PAD94C27416	ASBESTOS/AUTOCLAVES	10/18/89	7.4	105	47.63	1.458
6842	CAS-08845	PAD94C27230	ASBESTOS/AUTOCLAVES	10/18/89	7.4	78	35.38	0.855
6842	CAS-08846	PAD94C27250	ASBESTOS/AUTOCLAVES	10/18/89	7.4	78	35.38	0.855
6842	CAS-08847	PAD94C27229	ASBESTOS/AUTOCLAVES	10/18/89	7.4	78	35.38	0.855
6842	CAS-08848	PAD94C27249	ASBESTOS/AUTOCLAVES	10/18/89	7.4	78	35.38	0.855
6842	CAS-08849	PAD94C27251	ASBESTOS/AUTOCLAVES	10/18/89	7.4	83	37.65	0.804
6842	CAS-08850	PAD94C27231	ASBESTOS/AUTOCLAVES	10/18/89	7.4	83	37.65	0.804
6842	CAS-08851	PAD94C27252	ASBESTOS/AUTOCLAVES	10/18/89	7.4	83	37.65	0.804
6842	CAS-08852	PAD94C27232	ASBESTOS/AUTOCLAVES	10/18/89	7.4	83	37.65	0.804
6842	CAS-08885	PAD94C27316	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-08887	PAD94C27315	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-08888	PAD94C27335	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-08897	PAD94C27248	ASBESTOS/AUTOCLAVES	10/18/89	7.4	203	92.08	4.375
6842	CAS-08898	PAD94C27268	ASBESTOS/AUTOCLAVES	10/18/89	7.4	203	92.08	4.375
6842	CAS-08899	PAD94C27247	ASBESTOS/AUTOCLAVES	10/18/89	7.4	203	92.08	4.375
6842	CAS-08900	PAD94C27267	ASBESTOS/AUTOCLAVES	10/18/89	7.4	203	92.08	4.375
6842	CAS-08925	PAD94C27177	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-08926	PAD94C27153	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-08927	PAD94C27178	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-08969	PAD94C26115	ASBESTOS/AUTOCLAVES	10/18/89	7.4	90	40.82	1.012
6842	CAS-08970	PAD94C26084	ASBESTOS/AUTOCLAVES	10/18/89	7.4	90	40.82	1.012
6842	CAS-08971	PAD94C26114	ASBESTOS/AUTOCLAVES	10/18/89	7.4	90	40.82	1.012
6842	CAS-08972	PAD94C26063	ASBESTOS/AUTOCLAVES	10/18/89	7.4	90	40.82	1.012
6842	CAS-09013	PAD94C26016	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-09015	PAD94C26018	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161

PCB and Additional Information Attachment. Page 3 of 3
Manifest Number: 001754625JJK
Shipment ID Number: 6202-15-0068
Shipment Date: 8/8/2008

RPD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
6842	CAS-09016	PAD94C26052	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-09025	PAD94C26107	ASBESTOS/AUTOCLAVES	10/18/89	7.4	88	39.92	0.952
6842	CAS-09026	PAD94C26076	ASBESTOS/AUTOCLAVES	10/18/89	7.4	88	39.92	0.952
6842	CAS-09027	PAD94C26106	ASBESTOS/AUTOCLAVES	10/18/89	7.4	88	39.92	0.952
6842	CAS-09028	PAD94C26075	ASBESTOS/AUTOCLAVES	10/18/89	7.4	88	39.92	0.952
6842	CAS-09037	PAD94C27241	ASBESTOS/AUTOCLAVES	10/18/89	7.4	97	44.00	1.220
6842	CAS-09038	PAD94C27261	ASBESTOS/AUTOCLAVES	10/18/89	7.4	97	44.00	1.220
6842	CAS-09039	PAD94C27242	ASBESTOS/AUTOCLAVES	10/18/89	7.4	97	44.00	1.220
6842	CAS-09040	PAD94C27262	ASBESTOS/AUTOCLAVES	10/18/89	7.4	97	44.00	1.220
6842	CAS-09077	PAD94C25446	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09078	PAD94C25410	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09079	PAD94C25447	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09080	PAD94C25411	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09103	PAD94C25513	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	43.54	1.190
6842	CAS-09285	PAD94C27117	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-09286	PAD94C27093	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-09287	PAD94C27116	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-09288	PAD94C27094	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-09299	PAD94C27160	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-09300	PAD94C27136	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-09405	PAD94C25966	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-09406	PAD94C25931	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-09407	PAD94C25967	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-09408	PAD94C25932	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
38180	CAS-16021	PAD94C22187	ASBESTOS/FIBERGLASS/INSULATION	04/21/93	7.4	108	48.08	1.488
38180	CAS-16024	PAD94C22186	ASBESTOS/FIBERGLASS/INSULATION	04/29/93	7.4	108	48.08	1.488
38180	CAS-16025	PAD94C22069	ASBESTOS/FIBERGLASS/INSULATION	04/29/93	7.4	81	36.74	0.744
39352	CAS-18601	PAD94C01995	COPPER WIRE WITH PCB	10/01/93	7.4	144	65.32	2.618
39353	CAS-18602	PAD94C01998	COPPER WIRE WITH PCB	10/06/93	7.4	153	69.40	2.867
36240	CAS-17006	PAD94C22222	ASBESTOS/PCB WIRING INSULATION	07/21/93	7.4	174	78.92	3.512
33029	CAS-17068	PAD94C22801	ASBESTOS/WIRING/INSULATION	12/02/93	7.4	142	64.41	2.559
43180	CAS-17573	PAD95C02046	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	98	44.45	1.250
43180	CAS-17574	PAD95C02042	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	154	69.85	2.917
43180	CAS-17575	PAD95C02047	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	138	62.60	2.440
43180	CAS-17576	PAD95C02041	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	339	153.77	8.422
43180	CAS-17603	PAD95C02030	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	188	85.27	3.928
43180	CAS-17604	PAD95C02018	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	167	75.75	3.304
43180	CAS-17605	PAD95C02019	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	173	78.47	3.482
43180	CAS-17606	PAD95C02029	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	125	56.70	2.054
42700	CAS-17967	PAD95C00327	ASBESTOS WIRE	05/03/93	7.4	225	102.06	5.030
42700	CAS-17968	PAD95C00324	ASBESTOS WIRE	05/03/93	7.4	195	88.45	4.137
42700	CAS-17969	PAD95C00331	ASBESTOS WIRE	05/03/93	7.4	196	88.90	4.187
42700	CAS-17970	PAD95C00332	ASBESTOS WIRE	05/03/93	7.4	158	71.67	3.036
42700	CAS-17971	PAD95C00341	ASBESTOS WIRE	05/03/93	7.4	174	78.92	3.512
42700	CAS-17972	PAD95C00340	ASBESTOS WIRE	05/03/93	7.4	183	83.01	3.780
42700	CAS-17981	PAD95C00335	ASBESTOS WIRE	05/03/93	7.4	176	79.83	3.571
42700	CAS-17982	PAD95C00334	ASBESTOS WIRE	05/03/93	7.4	193	87.54	4.077
42700	CAS-17983	PAD95C00342	ASBESTOS WIRE	05/03/93	7.4	173	78.47	3.482
42700	CAS-17984	PAD95C00316	ASBESTOS WIRE	05/03/93	7.4	190	86.18	3.988
42700	CAS-17985	PAD95C00318	ASBESTOS WIRE	05/03/93	7.4	145	65.77	2.649
	Totals	191			733.94	11680	5302.61	192.598

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754626 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598698

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ (PCB, Asbestos), Am-241, Tc-99, U-234, U-235, U-238, Solid/Oxide, 141 MBq, Fissile Excepted	100	DM	2156	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Trailer 337 Trailer 2043 TID 002255
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 10/25/1988
If undeliverable, return to generator
Shipment ID: 6202-15-0069

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David R DeLaCruz on behalf of US DOE — Signature: David R DeLaCruz — Month: 6 Day: 6 Year: 08

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: DONALD MONDAY — Signature: Donald Monday — Month: 6 Day: 6 Year: 08
Transporter 2 Printed/Typed Name — Signature — Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

RECEIVED JUN 30 2008 BY: (illegible)

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARDNER — Signature: — Month: 06 Day: 09 Year: 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754626 JJK
Shipment ID Number: 6202-15-0069
Shipment Date: 6/6/2008

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
102533	102533-01	PAD98C03578	ASBESTOS CLOTH	11/07/89	7.4	87	39.46	0.923
5624	CAS-08257	PAD94C22139	TRENCH PIPE INSULATION	10/25/88	7.4	63	28.58	0.208
5624	CAS-08258	PAD94C22174	TRENCH PIPE INSULATION	10/25/88	7.4	63	28.58	0.208
6474	CAS-08285	PAD95C01811	INSULATION PIPE TRENCH	11/15/88	7.4	94	42.64	1.131
6474	CAS-08287	PAD95C01810	INSULATION PIPE TRENCH	11/15/88	7.4	80	36.29	0.714
6474	CAS-08288	PAD95C01799	INSULATION PIPE TRENCH	11/15/88	7.4	95	43.09	1.161
6474	CAS-08290	PAD95C01790	INSULATION PIPE TRENCH	11/15/88	7.4	83	37.65	0.804
6474	CAS-08294	PAD95C01796	INSULATION PIPE TRENCH	11/15/88	7.4	77	34.93	0.625
6474	CAS-08296	PAD95C01797	INSULATION PIPE TRENCH	11/15/88	7.4	96	43.54	1.190
6474	CAS-08299	PAD95C01809	INSULATION PIPE TRENCH	11/15/88	7.4	82	37.19	0.774
6474	CAS-08302	PAD95C01793	INSULATION PIPE TRENCH	11/15/88	7.4	72	32.66	0.476
6842	CAS-08765	PAD94C27278	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.250
6842	CAS-08766	PAD94C27298	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.250
6842	CAS-08767	PAD94C27277	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.250
6842	CAS-08768	PAD94C27297	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.250
6842	CAS-08769	PAD94C27320	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.250
6842	CAS-08770	PAD94C27340	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.250
6842	CAS-08771	PAD94C27319	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.250
6842	CAS-08772	PAD94C27339	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.250
6842	CAS-08813	PAD94C26938	ASBESTOS/AUTOCLAVES	10/18/89	7.4	157	71.21	3.006
6842	CAS-08814	PAD94C27411	ASBESTOS/AUTOCLAVES	10/18/89	7.4	157	71.21	3.006
6842	CAS-08815	PAD94C26939	ASBESTOS/AUTOCLAVES	10/18/89	7.4	157	71.21	3.006
6842	CAS-08816	PAD94C27410	ASBESTOS/AUTOCLAVES	10/18/89	7.4	157	71.21	3.006
6842	CAS-08838	PAD94C27223	ASBESTOS/AUTOCLAVES	10/18/89	7.4	106	48.08	1.488
6842	CAS-08853	PAD94C27270	ASBESTOS/AUTOCLAVES	10/18/89	7.4	103	46.72	1.399
6842	CAS-08893	PAD94C27347	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.369
6842	CAS-08894	PAD94C27327	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.369
6842	CAS-08896	PAD94C27328	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.369
6842	CAS-08901	PAD94C27412	ASBESTOS/AUTOCLAVES	10/18/89	7.4	111	50.35	1.637
6842	CAS-08902	PAD94C26937	ASBESTOS/AUTOCLAVES	10/18/89	7.4	111	50.35	1.637
6842	CAS-08903	PAD94C27413	ASBESTOS/AUTOCLAVES	10/18/89	7.4	111	50.35	1.637
6842	CAS-08904	PAD94C26936	ASBESTOS/AUTOCLAVES	10/18/89	7.4	111	50.35	1.637
6842	CAS-08905	PAD94C27102	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-08913	PAD94C27383	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.250
6842	CAS-08914	PAD94C27393	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.250
6842	CAS-08915	PAD94C27381	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.250
6842	CAS-08916	PAD94C27391	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.250
6842	CAS-08917	PAD94C27356	ASBESTOS/AUTOCLAVES	10/18/89	7.4	115	52.16	1.756
6842	CAS-08918	PAD94C27368	ASBESTOS/AUTOCLAVES	10/18/89	7.4	115	52.16	1.756
6842	CAS-08919	PAD94C27355	ASBESTOS/AUTOCLAVES	10/18/89	7.4	115	52.16	1.756
6842	CAS-08920	PAD94C27367	ASBESTOS/AUTOCLAVES	10/18/89	7.4	115	52.16	1.756
6842	CAS-08937	PAD94C27238	ASBESTOS/AUTOCLAVES	10/18/89	7.4	75	34.02	0.565
6842	CAS-08939	PAD94C27237	ASBESTOS/AUTOCLAVES	10/18/89	7.4	75	34.02	0.565
6842	CAS-08957	PAD94C27112	ASBESTOS/AUTOCLAVES	10/18/89	7.4	99	44.91	1.280
6842	CAS-08958	PAD94C27087	ASBESTOS/AUTOCLAVES	10/18/89	7.4	99	44.91	1.280
6842	CAS-08959	PAD94C27089	ASBESTOS/AUTOCLAVES	10/18/89	7.4	99	44.91	1.280
6842	CAS-08960	PAD94C27111	ASBESTOS/AUTOCLAVES	10/18/89	7.4	99	44.91	1.280
6842	CAS-08977	PAD94C27086	ASBESTOS/AUTOCLAVES	10/18/89	7.4	97	44.00	1.220
6842	CAS-08978	PAD94C27110	ASBESTOS/AUTOCLAVES	10/18/89	7.4	97	44.00	1.220
6842	CAS-08979	PAD94C27085	ASBESTOS/AUTOCLAVES	10/18/89	7.4	97	44.00	1.220
6842	CAS-08980	PAD94C27109	ASBESTOS/AUTOCLAVES	10/18/89	7.4	97	44.00	1.220

PCB and Additional Information Attachment, Page 3 of 3

Manifest Number: 001754626 JJK
Shipment ID Number: 6202-15-0069
Shipment Date: 6/6/2008

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
6842	CAS-08985	PAD94C27205	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-08986	PAD94C27181	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-08987	PAD94C27206	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-08988	PAD94C27182	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-09017	PAD94C26103	ASBESTOS/AUTOCLAVES	10/18/89	7.4	87	39.46	0.923
6842	CAS-09018	PAD94C26072	ASBESTOS/AUTOCLAVES	10/18/89	7.4	87	39.46	0.923
6842	CAS-09019	PAD94C26102	ASBESTOS/AUTOCLAVES	10/18/89	7.4	87	39.46	0.923
6842	CAS-09020	PAD94C26071	ASBESTOS/AUTOCLAVES	10/18/89	7.4	87	39.46	0.923
6842	CAS-09043	PAD94C27376	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-09069	PAD94C27351	ASBESTOS/AUTOCLAVES	10/18/89	7.4	108	48.99	1.548
6842	CAS-09070	PAD94C27363	ASBESTOS/AUTOCLAVES	10/18/89	7.4	108	48.99	1.548
6842	CAS-09071	PAD94C27352	ASBESTOS/AUTOCLAVES	10/18/89	7.4	108	48.99	1.548
6842	CAS-09072	PAD94C27364	ASBESTOS/AUTOCLAVES	10/18/89	7.4	108	48.99	1.548
6842	CAS-09081	PAD94C25977	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.369
6842	CAS-09082	PAD94C25942	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.369
6842	CAS-09083	PAD94C25976	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.369
6842	CAS-09084	PAD94C25941	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.369
6842	CAS-09093	PAD94C26099	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-09094	PAD94C26068	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-09095	PAD94C26098	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-09096	PAD94C26067	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-09124	PAD94C25444	ASBESTOS/AUTOCLAVES	10/18/89	7.4	96	43.54	1.190
6842	CAS-09127	PAD94C23060	ASBESTOS/AUTOCLAVES	10/18/89	7.4	80	36.29	0.714
6842	CAS-09202	PAD94C26315	ASBESTOS/AUTOCLAVES	10/18/89	7.4	97	44.00	1.220
6842	CAS-09234	PAD94C27214	ASBESTOS/AUTOCLAVES	10/18/89	7.4	113	51.26	1.696
6842	CAS-09265	PAD94C27161	ASBESTOS/AUTOCLAVES	10/18/89	7.4	108	48.99	1.548
6842	CAS-09266	PAD94C27137	ASBESTOS/AUTOCLAVES	10/18/89	7.4	108	48.99	1.548
6842	CAS-09267	PAD94C27162	ASBESTOS/AUTOCLAVES	10/18/89	7.4	108	48.99	1.548
6842	CAS-09268	PAD94C27138	ASBESTOS/AUTOCLAVES	10/18/89	7.4	108	48.99	1.548
6842	CAS-09273	PAD94C27140	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-09274	PAD94C27164	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-09275	PAD94C27139	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-09276	PAD94C27163	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-09277	PAD94C27188	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-09278	PAD94C27212	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-09279	PAD94C27187	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-09280	PAD94C27211	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-09361	PAD94C26007	ASBESTOS/AUTOCLAVES	10/18/89	7.4	89	40.37	0.982
6842	CAS-09362	PAD94C26040	ASBESTOS/AUTOCLAVES	10/18/89	7.4	89	40.37	0.982
6842	CAS-09363	PAD94C26004	ASBESTOS/AUTOCLAVES	10/18/89	7.4	89	40.37	0.982
6842	CAS-09364	PAD94C26039	ASBESTOS/AUTOCLAVES	10/18/89	7.4	89	40.37	0.982
38180	CAS-16019	PAD94C22189	ASBESTOS/FIBERGLASS/INSULATION	04/21/93	7.4	114	51.71	1.726
38180	CAS-16020	PAD94C22067	ASBESTOS/FIBERGLASS/INSULATION	04/21/93	7.4	85	38.56	0.863
38180	CAS-16023	PAD94C22066	ASBESTOS/FIBERGLASS/INSULATION	04/21/93	7.4	156	70.76	2.976
43180	CAS-17586	PAD95C02044	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	144	65.32	2.619
43180	CAS-17588	PAD95C02040	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	133	60.33	2.292
42700	CAS-17992	PAD95C00312	ASBESTOS WIRE	05/03/93	7.4	181	82.10	3.720
42700	CAS-17993	PAD95C00313	ASBESTOS WIRE	05/03/93	7.4	174	78.92	3.512
42700	CAS-17994	PAD95C00321	ASBESTOS WIRE	05/03/93	7.4	254	115.21	5.893
	Totals	**100**			**740**	**10354**	**4696.47**	**141.486**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number: KY 8890008982 | 2. Page 1 of 3 | 3. Emergency Response Phone: 1-270-441-6211 | 4. Manifest Tracking Number: 001754627 JJK

GENERATOR

5. Generator's Name and Mailing Address: U.S. DOE c/o Paducah Remediation Services, 761 Veterans Avenue, Kevil, KY 42053

Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address): U.S. DOE c/o Paducah Remediation Services, Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd, Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783085

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: EnergySolutions Clive Disposal Site-Bulk Waste Facility, US I-80 Exit 49, Clive, UT 84029 — U.S. EPA ID Number: UTD982598898

Facility's Phone: 1-435-884-0155

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ (PCB, Asbestos), Am-241, Tc-99, U-234, U-235, U-238, Solid/Oxide, 184 MBq, Fissile Excepted	101	DM	2500	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information: Truck # 124 Trailer # [illegible] TID# 002125

For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info

PCB Start Date: 10/25/1988
If undeliverable, return to generator
Shipment ID: 6202-15-0070

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David R DelaCruz on behalf of US DOE — Signature: David R DeLaCruz — Month 6 Day 3 Year 08

INT'L 16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:

Transporter signature (for exports only):

TRANSPORTER 17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Samuel King — Signature: Samuel King — Month 6 Day 3 Year 08

Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED JUN 30 2008 BY: TS

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Justin Lee — Signature: [signature] — Month 6 Day 5 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

6202-15 - 0070

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754627JJK
Shipment ID Number: 6202-15-0070
Shipment Date: 6/3/2008

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
8131	08131-13	PAD94C39727	ASBESTOS	08/23/00	7.4	108	48.08	1.488
101709	101709-03	PAD01C02728	PCB, LOW-LEVEL RAD, SAMPLE	02/29/00	0.67	25	11.34	0.695
101709	101709-04	PAD01C02727	PCB, LOW-LEVEL RAD, SAMPLE	03/07/00	0.67	15	6.80	0.286
103210	103210-01	PAD00C00817	SAMPLE RESIDUALS FROM TCLP00	01/05/00	0.67	32	14.54	0.894
103210	103210-03	PAD01C02202	SAMPLE RESIDUALS FROM TCLP00	01/21/00	0.67	31	14.05	0.774
103230	103230-01	PAD00C01005	PCB / ASBESTOS SAMPLE WASTE,	02/15/00	1.34	34	15.42	0.585
103778	103778-01	PAD00C00292	PCB ASBESTOS SAMPLES FROM C-	06/16/00	7.4	60	27.22	0.119
35095	35095-01	PAD94C31544	COPPER WIRE & CABLE INSULATION	11/01/96	7.4	281	127.46	6.890
62163	62163-01	PAD98C01958	SOLID SAMPLES (PCB/ASBESTOS)	05/22/98	7.4	58	26.31	0.000
5824	CAS-08256	PAD94C22138	TRENCH PIPE INSULATION	10/25/88	7.4	63	28.58	0.208
5824	CAS-08259	PAD98C01030	TRENCH PIPE INSULATION	10/25/88	7.4	278	126.10	4.228
5824	CAS-08260	PAD94C05021	TRENCH PIPE INSULATION	10/25/88	7.4	343	155.58	6.181
6474	CAS-08295	PAD95C01800	INSULATION PIPE TRENCH	11/15/88	7.4	89	40.37	0.982
6842	CAS-08790	PAD94C27275	ASBESTOS/AUTOCLAVES	10/18/89	7.4	97	44.00	1.220
6842	CAS-08791	PAD94C27296	ASBESTOS/AUTOCLAVES	10/18/89	7.4	97	44.00	1.220
6842	CAS-08792	PAD94C27276	ASBESTOS/AUTOCLAVES	10/18/89	7.4	97	44.00	1.220
6842	CAS-08817	PAD94C27200	ASBESTOS/AUTOCLAVES	10/18/89	7.4	87	39.46	0.923
6842	CAS-08818	PAD94C27225	ASBESTOS/AUTOCLAVES	10/18/89	7.4	87	39.46	0.923
6842	CAS-08819	PAD94C27199	ASBESTOS/AUTOCLAVES	10/18/89	7.4	87	39.46	0.923
6842	CAS-08820	PAD94C27222	ASBESTOS/AUTOCLAVES	10/18/89	7.4	87	39.46	0.923
6842	CAS-08825	PAD94C26934	ASBESTOS/AUTOCLAVES	10/18/89	7.4	90	40.82	1.012
6842	CAS-08826	PAD94C27415	ASBESTOS/AUTOCLAVES	10/18/89	7.4	90	40.82	1.012
6842	CAS-08827	PAD94C26935	ASBESTOS/AUTOCLAVES	10/18/89	7.4	90	40.82	1.012
6842	CAS-08828	PAD94C27414	ASBESTOS/AUTOCLAVES	10/18/89	7.4	90	40.82	1.012
6842	CAS-08829	PAD94C27106	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-08830	PAD94C27132	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-08831	PAD94C27107	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-08832	PAD94C27131	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-08837	PAD94C27198	ASBESTOS/AUTOCLAVES	10/18/89	7.4	106	48.08	1.488
6842	CAS-08888	PAD94C27301	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.250
6842	CAS-08890	PAD94C27281	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.250
6842	CAS-08892	PAD94C27282	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.250
6842	CAS-08906	PAD94C27126	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-08908	PAD94C27125	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-08982	PAD94C27208	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-08983	PAD94C27183	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-08984	PAD94C27207	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-08993	PAD94C26008	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-08994	PAD94C26041	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-08995	PAD94C26009	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-08996	PAD94C26042	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-09001	PAD94C25963	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09002	PAD94C25949	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09003	PAD94C25962	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09004	PAD94C25947	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09041	PAD94C27373	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-09042	PAD94C27384	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-09044	PAD94C27387	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-09053	PAD94C27390	ASBESTOS/AUTOCLAVES	10/18/89	7.4	122	55.34	1.964
6842	CAS-09054	PAD94C27380	ASBESTOS/AUTOCLAVES	10/18/89	7.4	122	55.34	1.964
6842	CAS-09055	PAD94C27394	ASBESTOS/AUTOCLAVES	10/18/89	7.4	122	55.34	1.964

PCB and Additional Information Attachment, Page 3 of 3
Manifest Number: 001754827JJK
Shipment ID Number: 6202-15-0070
Shipment Date: 6/3/2008

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (Date removed from service)	NET VOLUME (ID)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
6842	CAS-09056	PAD94C27377	ASBESTOS/AUTOCLAVES	10/18/89	7.4	122	55.34	1.564
6842	CAS-09073	PAD94C27304	ASBESTOS/AUTOCLAVES	10/18/89	7.4	92	41.73	1.071
6842	CAS-09074	PAD94C27284	ASBESTOS/AUTOCLAVES	10/18/89	7.4	92	41.73	1.071
6842	CAS-09075	PAD94C27303	ASBESTOS/AUTOCLAVES	10/18/89	7.4	92	41.73	1.071
6842	CAS-09076	PAD94C27283	ASBESTOS/AUTOCLAVES	10/18/89	7.4	92	41.73	1.071
6842	CAS-09087	PAD94C25978	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09089	PAD94C26012	ASBESTOS/AUTOCLAVES	10/18/89	7.4	93	42.18	1.101
6842	CAS-09090	PAD94C26047	ASBESTOS/AUTOCLAVES	10/18/89	7.4	93	42.18	1.101
6842	CAS-09091	PAD94C26015	ASBESTOS/AUTOCLAVES	10/18/89	7.4	93	42.18	1.101
6842	CAS-09092	PAD94C26048	ASBESTOS/AUTOCLAVES	10/18/89	7.4	93	42.18	1.101
6842	CAS-09102	PAD94C25476	ASBESTOS/AUTOCLAVES	10/18/89	7.4	96	43.54	1.190
6842	CAS-09104	PAD94C25477	ASBESTOS/AUTOCLAVES	10/18/89	7.4	96	43.54	1.190
6842	CAS-09233	PAD94C27190	ASBESTOS/AUTOCLAVES	10/18/89	7.4	113	51.26	1.666
6842	CAS-09235	PAD94C27189	ASBESTOS/AUTOCLAVES	10/18/89	7.4	113	51.26	1.666
6842	CAS-09236	PAD94C27213	ASBESTOS/AUTOCLAVES	10/18/89	7.4	113	51.26	1.666
6842	CAS-09237	PAD94C27215	ASBESTOS/AUTOCLAVES	10/18/89	7.4	108	48.08	1.488
6842	CAS-09238	PAD94C27191	ASBESTOS/AUTOCLAVES	10/18/89	7.4	108	48.08	1.488
6842	CAS-09239	PAD94C27217	ASBESTOS/AUTOCLAVES	10/18/89	7.4	108	48.08	1.488
6842	CAS-09240	PAD94C27192	ASBESTOS/AUTOCLAVES	10/18/89	7.4	108	48.08	1.488
6842	CAS-09249	PAD94C27096	ASBESTOS/AUTOCLAVES	10/18/89	7.4	99	44.91	1.280
6842	CAS-09250	PAD94C27120	ASBESTOS/AUTOCLAVES	10/18/89	7.4	99	44.91	1.280
6842	CAS-09251	PAD94C27095	ASBESTOS/AUTOCLAVES	10/18/89	7.4	99	44.91	1.280
6842	CAS-09252	PAD94C27119	ASBESTOS/AUTOCLAVES	10/18/89	7.4	99	44.91	1.280
6842	CAS-09269	PAD94C27167	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-09270	PAD94C27143	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-09271	PAD94C27168	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-09272	PAD94C27144	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-09282	PAD94C27185	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-09283	PAD94C27210	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-09284	PAD94C27186	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-09305	PAD94C27263	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-09306	PAD94C27243	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-09307	PAD94C27264	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-09308	PAD94C27244	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-09377	PAD94C25988	ASBESTOS/AUTOCLAVES	10/18/89	7.4	63	28.58	0.206
6842	CAS-09379	PAD94C25989	ASBESTOS/AUTOCLAVES	10/18/89	7.4	63	28.58	0.206
6842	CAS-09380	PAD94C25934	ASBESTOS/AUTOCLAVES	10/18/89	7.4	63	28.58	0.206
6842	CAS-09400	PAD94C25928	ASBESTOS/AUTOCLAVES	10/18/89	7.4	118	53.52	1.845
6842	CAS-09417	PAD94C26038	ASBESTOS/AUTOCLAVES	10/18/89	7.4	110	49.89	1.607
9817	CAS-10075	PAD94C02956	ASBESTOS/PCB/U	06/05/90	7.4	188	86.27	3.926
9817	CAS-10076	PAD94C03023	ASBESTOS/PCB/U	06/05/90	7.4	171	77.56	3.423
38180	CAS-16026	PAD94C22188	ASBESTOS/FIBERGLASS/INSULATION	02/08/93	7.4	97	44.00	1.220
34864	CAS-16508	PAD94C02307	INSULATION/PPE/RAGS	06/23/93	7.4	124	56.25	2.024
43180	CAS-17561	PAD95C02010	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	198	89.81	4.226
43180	CAS-17562	PAD95C02001	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	418	189.60	10.774
43180	CAS-17563	PAD95C02002	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	240	108.86	5.476
43180	CAS-17564	PAD95C02009	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	169	76.66	3.393
42700	CAS-17980	PAD95C00314	ASBESTOS WIRE	05/03/93	7.4	173	78.47	3.462
42700	CAS-17989	PAD95C00325	ASBESTOS WIRE	05/03/93	7.4	175	79.38	3.542
42700	CAS-17990	PAD95C00326	ASBESTOS WIRE	05/03/93	7.4	194	88.00	4.107
	Totals	**161**			**714.42**	**11883**	**5027.14**	**184.948**

ENERGYSOLUTIONS

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT982598898

DOE, PGDP/Paducah,

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (Cu/Ft)	Process	Disposal Location
6202-15-0008	54520	06/03/2008	890.4	Landfill	Mixed Waste
6202-15-0009	54521	06/03/2008	907.2	Landfill	Mixed Waste
6202-15-0010	54522	06/03/2008	890.4	Landfill	Mixed Waste
6202-15-0061	54563	06/03/2008	907.2	Landfill	Mixed Waste
6202-15-0065	54622	06/12/2008	743.2	Landfill	Mixed Waste
6202-15-0067	54624	06/12/2008	750.0	Landfill	Mixed Waste

The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

6/13/08
Date

JAN 13 2009
TS

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754520 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ (PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, ~~51~~ 5 MBq, Fissile Excepted	53	DF	16616	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information Truck # 8087 Trailer: 7075 TID#: 0008214
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 7/16/1986
If undeliverable, return to generator
Shipment ID: 6202-15-0008

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David R DeLaCruz on behalf of US DOE — Signature: David R DeLaCruz — Month: 10 Day: 26 Year: 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: DANNY R Horton — Signature: [signature] — Month: 10 Day: 26 Year: 07

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

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19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. H132 2. 3.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. Gracie — Signature: [signature] — Month: 11 Day: 29 Year: 07

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754520 JJK
Shipment ID Number: 6202-15-0008
Shipment Date: 10/26/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
3963	CAS-02659	PAD94C17440	CONCRETE	PCB Remediation Debris	07/16/86	7.4	690	312.98	0.824
115	CAS-02703	PAD94C16491	CONCRETE	PCB Remediation Debris	07/18/86	7.4	745	337.92	0.900
116	CAS-02755	PAD94C17286	CONCRETE	PCB Remediation Debris	07/25/86	7.4	796	361.06	0.971
119	CAS-02831	PAD94C16430	CONCRETE	PCB Remediation Debris	08/06/86	7.4	680	308.44	0.810
119	CAS-02871	PAD94C17296	CONCRETE	PCB Remediation Debris	08/06/86	7.4	796	361.06	0.971
3966	CAS-03006	PAD94C17965	GRAVEL	PCB Remediation Debris	08/07/86	7.4	829	376.03	1.017
3966	CAS-03015	PAD94C17961	GRAVEL	PCB Remediation Debris	08/07/86	7.4	764	346.54	0.927
3968	CAS-03154	PAD94C16031	GRAVEL	PCB Remediation Debris	08/11/86	7.4	797	361.51	0.973
3968	CAS-03171	PAD94C17716	GRAVEL	PCB Remediation Debris	08/11/86	7.4	790	358.34	0.963
3968	CAS-03187	PAD94C16135	GRAVEL	PCB Remediation Debris	08/11/86	7.4	847	384.19	1.043
3968	CAS-03189	PAD94C16080	GRAVEL	PCB Remediation Debris	08/11/86	7.4	850	385.55	1.047
3968	CAS-03190	PAD94C15986	GRAVEL	PCB Remediation Debris	08/11/86	7.4	845	383.28	1.040
3968	CAS-03192	PAD94C16035	GRAVEL	PCB Remediation Debris	08/11/86	7.4	849	385.10	1.045
3968	CAS-03193	PAD94C16072	GRAVEL	PCB Remediation Debris	08/11/86	7.4	838	380.11	1.030
3968	CAS-03194	PAD94C15990	GRAVEL	PCB Remediation Debris	08/11/86	7.4	761	345.18	0.923
3968	CAS-03202	PAD94C16032	GRAVEL	PCB Remediation Debris	08/11/86	7.4	831	376.93	1.020
3968	CAS-03209	PAD94C16050	GRAVEL	PCB Remediation Debris	08/11/86	7.4	852	386.46	1.050
3968	CAS-03213	PAD94C16047	GRAVEL	PCB Remediation Debris	08/11/86	7.4	865	392.36	1.068
3968	CAS-03214	PAD94C16079	GRAVEL	PCB Remediation Debris	08/11/86	7.4	878	398.25	1.086
3969	CAS-03346	PAD94C15519	GRAVEL	PCB Remediation Debris	08/14/86	7.4	807	366.05	0.987
3970	CAS-03532	PAD94C16081	CONCRETE	PCB Remediation Debris	08/26/86	7.4	785	356.07	0.956
3970	CAS-03540	PAD94C16036	CONCRETE	PCB Remediation Debris	08/26/86	7.4	781	354.25	0.951
4140	CAS-03589	PAD94C15551	CONCRETE	PCB Remediation Debris	08/28/86	7.4	740	335.66	0.893
3940	CAS-04155	PAD94C15989	CONTAMINATED CONCRETE	PCB Remediation Debris	09/27/87	7.4	689	312.52	0.822
3940	CAS-04220	PAD94C16048	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	668	303.00	0.793
3944	CAS-04378	PAD94C15550	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	788	357.43	0.960
3944	CAS-04395	PAD94C15698	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	753	341.55	0.912
3944	CAS-04409	PAD94C15699	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	776	351.99	0.944
3946	CAS-04510	PAD94C15700	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	795	360.60	0.970
6326	CAS-04753	PAD94C16125	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	780	353.80	0.949
6328	CAS-04811	PAD94C16134	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/16/87	7.4	807	366.05	0.987
6328	CAS-04812	PAD94C16166	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/16/87	7.4	818	371.04	1.002
6329	CAS-04917	PAD94C16158	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/19/87	7.4	817	370.58	1.001
6327	CAS-05054	PAD94C15855	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	816	370.13	0.999
6327	CAS-05055	PAD94C15887	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	794	360.15	0.969
6327	CAS-05057	PAD94C15888	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	786	356.52	0.958
6327	CAS-05063	PAD94C16000	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	759	344.27	0.920
6327	CAS-05064	PAD94C16022	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	799	362.42	0.976
6327	CAS-05065	PAD94C15999	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	811	367.86	0.992
6327	CAS-05071	PAD94C15856	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	807	366.05	0.987
6327	CAS-05102	PAD94C16157	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	781	354.25	0.951
6331	CAS-05156	PAD94C16021	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/20/87	7.4	708	321.14	0.849
6332	CAS-05256	PAD94C16028	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	728	330.21	0.877
6332	CAS-05293	PAD94C16133	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	823	373.30	1.009
6332	CAS-05294	PAD94C16126	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	814	369.22	0.997
6333	CAS-05340	PAD94C15492	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	737	334.30	0.889
6333	CAS-05426	PAD94C15493	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	845	383.28	1.040
6333	CAS-05429	PAD94C15477	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	863	391.45	1.065
6333	CAS-05433	PAD94C15476	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	813	368.77	0.995
6340	CAS-05890	PAD94C15994	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	11/02/87	7.4	799	362.42	0.976
6340	CAS-05891	PAD94C15993	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	11/02/87	7.4	807	366.05	0.987
6340	CAS-05893	PAD94C16027	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	11/02/87	7.4	830	376.48	1.019
6345	CAS-06126	PAD94C16216	PCB CONTAMINATED CONCRETE	PCB Remediation Debris	12/07/87	7.4	653	296.19	0.772

Totals	53					392.2	41880	18996	51

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754521 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 51 MBq, Fissile Excepted	54	DF	16568	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck#: 333 Trailer# 7405 TID#: 0008220
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 7/18/1986
If undeliverable, return to generator
Shipment ID: 6202-15-0009

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David R. DeLaCruz on behalf of U.S. DOE — Signature: David R. DeLaCruz — Month: 10 Day: 26 Year: 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month: 11 Day: 26 Year:

Transporter 2 Printed/Typed Name — Signature — Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

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19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J Buckner — Signature — Month: 11 Day: 29 Year: 07

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **DESIGNATED FACILITY TO GENERATOR**

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754521 JJK
Shipment ID Number: 6202-15-0009
Shipment Date: 10/26/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
115	CAS-02686	PAD94C16631	CONCRETE	PCB Remediation Debris	07/18/86	7.4	645	292.57	0.761
115	CAS-02690	PAD94C16570	CONCRETE	PCB Remediation Debris	07/18/86	7.4	674	305.72	0.801
3966	CAS-02997	PAD94C16423	GRAVEL	PCB Remediation Debris	08/07/86	7.4	861	390.54	1.062
3967	CAS-03068	PAD94C17543	GRAVEL	PCB Remediation Debris	08/08/86	7.4	799	362.42	0.976
3967	CAS-03078	PAD94C17540	GRAVEL	PCB Remediation Debris	08/08/86	7.4	856	388.27	1.055
3967	CAS-03123	PAD94C17432	GRAVEL	PCB Remediation Debris	08/08/86	7.4	784	355.61	0.955
3967	CAS-03143	PAD94C17277	GRAVEL	PCB Remediation Debris	08/08/86	7.4	742	336.56	0.896
3968	CAS-03218	PAD94C17278	GRAVEL	PCB Remediation Debris	08/11/86	7.4	824	373.76	1.011
3968	CAS-03229	PAD94C17948	GRAVEL	PCB Remediation Debris	08/11/86	7.4	858	389.18	1.058
3968	CAS-03232	PAD94C17949	GRAVEL	PCB Remediation Debris	08/11/86	7.4	870	394.62	1.075
3969	CAS-03302	PAD94C15548	GRAVEL	PCB Remediation Debris	08/14/86	7.4	743	337.02	0.898
3969	CAS-03308	PAD94C15697	GRAVEL	PCB Remediation Debris	08/14/86	7.4	801	363.33	0.978
3969	CAS-03317	PAD94C15696	GRAVEL	PCB Remediation Debris	08/14/86	7.4	806	365.59	0.985
3969	CAS-03321	PAD94C15695	GRAVEL	PCB Remediation Debris	08/14/86	7.4	824	373.76	1.011
3969	CAS-03322	PAD94C15546	GRAVEL	PCB Remediation Debris	08/14/86	7.4	812	368.32	0.994
3969	CAS-03324	PAD94C15694	GRAVEL	PCB Remediation Debris	08/14/86	7.4	818	371.04	1.002
3969	CAS-03357	PAD94C15549	GRAVEL	PCB Remediation Debris	08/14/86	7.4	782	354.71	0.952
3969	CAS-03359	PAD94C15545	GRAVEL	PCB Remediation Debris	08/14/86	7.4	799	362.42	0.976
4139	CAS-03541	PAD94C16297	CONCRETE	PCB Remediation Debris	08/27/86	7.4	794	360.15	0.969
3941	CAS-04269	PAD94C16298	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	716	324.77	0.860
3941	CAS-04270	PAD94C16264	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	636	288.48	0.748
3941	CAS-04283	PAD94C15817	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	769	348.81	0.934
3941	CAS-04284	PAD94C15784	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	736	333.84	0.888
3941	CAS-04287	PAD94C15785	CONTAMINATED CONCRETE	PCB Remediation Debris	09/30/87	7.4	720	326.58	0.866
3943	CAS-04359	PAD94C15816	CONTAMINATED CONCRETE	PCB Remediation Debris	10/05/87	7.4	664	301.18	0.788
3944	CAS-04398	PAD94C15513	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	752	341.10	0.910
3946	CAS-04498	PAD94C16447	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	702	318.42	0.840
3949	CAS-04624	PAD94C15529	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/12/87	7.4	828	375.57	1.016
3950	CAS-04651	PAD94C15528	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/13/87	7.4	782	354.71	0.952
3950	CAS-04678	PAD94C16130	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/13/87	7.4	841	381.47	1.034
6326	CAS-04719	PAD94C15504	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	820	371.94	1.005
6326	CAS-04721	PAD94C15505	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	821	372.40	1.006
6326	CAS-04736	PAD94C16265	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	796	361.06	0.971
6326	CAS-04799	PAD94C16129	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	757	343.37	0.917
6327	CAS-05075	PAD94C15780	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	815	369.68	0.998
6331	CAS-05188	PAD94C15810	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	795	360.60	0.970
6331	CAS-05189	PAD94C15781	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	787	356.98	0.959
6331	CAS-05211	PAD94C16128	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	770	349.26	0.935
6332	CAS-05255	PAD94C15814	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	750	340.19	0.907
6332	CAS-05260	PAD94C15782	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	797	361.51	0.973
6332	CAS-05275	PAD94C15813	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/22/87	7.4	711	322.50	0.853
6333	CAS-05335	PAD94C15815	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	797	361.51	0.973
6333	CAS-05351	PAD94C15478	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	858	389.18	1.058
6333	CAS-05404	PAD94C15495	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	725	328.85	0.873
6333	CAS-05419	PAD94C15494	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	708	321.14	0.849
6334	CAS-05449	PAD94C16160	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/26/87	7.4	690	312.98	0.824
6334	CAS-05541	PAD94C15479	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/26/87	7.4	808	366.50	0.988
6336	CAS-05595	PAD94C16127	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/27/87	7.4	771	349.72	0.937
6337	CAS-05642	PAD94C15783	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	799	362.42	0.976
6337	CAS-05670	PAD94C15811	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	754	342.01	0.913
6337	CAS-05673	PAD94C15779	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	767	347.90	0.931
6337	CAS-05693	PAD94C15778	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	818	371.04	1.002
6337	CAS-05703	PAD94C15812	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	767	347.90	0.931
6338	CAS-05725	PAD94C16159	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/29/87	7.4	753	341.55	0.912

Totals	54					399.6	41872	18993	51

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8900008982	2	1-270-441-6211	001754563 JJK

GENERATOR

5. Generator's Name and Mailing Address

U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053

Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)

U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hillman Transport Services — U.S. EPA ID Number: TNC987783065

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address

EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155

Facility's Phone: — U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 51 MBq, Fissile Excepted	54	DF	18498	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

Truck # 093 Trailer # 43634 TID # 0008206

For Emergency Response - Contact PGDP PSS at 1-270-441-6211 — PCB Start Date: 8/8/1988
ERG # 162, In the event of an RQ Release, call 1-800-424-8802 — If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See POB Attachment for Additional Info — Shipment ID: 8202-15-0051

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Marie on behalf of US DOE — Signature: Carrie Marie — Month: 11 Day: 09 Year: 07

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:

Transporter signature (for exports only):

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Scotty Dilk — Signature: Scotty Dilk — Month: 11 Day: 9 Year: 07

Transporter 2 Printed/Typed Name — Signature — Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

RECEIVED
NOV 26 2007

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H131			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. Gardner — Signature — Month: Day: Year:

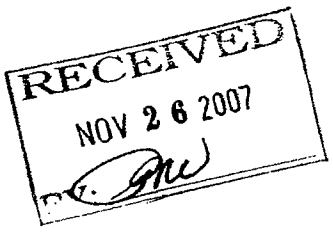
EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754563 JJK
Shipment ID Number: 6202-15-0051
Shipment Date: 11/9/2007

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
119	CAS-02857	PAD94C25081	CONCRETE	PCB Remediation Debris	08/06/86	7.4	690	312.98	0.824
119	CAS-02864	PAD94C25064	CONCRETE	PCB Remediation Debris	08/06/86	7.4	717	325.22	0.861
3966	CAS-02883	PAD94C25185	GRAVEL	PCB Remediation Debris	08/07/86	7.4	814	369.22	0.997
3966	CAS-02901	PAD94C25181	GRAVEL	PCB Remediation Debris	08/07/86	7.4	875	396.89	1.082
3966	CAS-02902	PAD94C25149	GRAVEL	PCB Remediation Debris	08/07/86	7.4	830	376.48	1.019
3966	CAS-02904	PAD94C25093	GRAVEL	PCB Remediation Debris	08/07/86	7.4	866	392.81	1.069
3966	CAS-02905	PAD94C25176	GRAVEL	PCB Remediation Debris	08/07/86	7.4	800	362.87	0.977
3966	CAS-02906	PAD94C25148	GRAVEL	PCB Remediation Debris	08/07/86	7.4	804	364.69	0.983
3966	CAS-02908	PAD94C25145	GRAVEL	PCB Remediation Debris	08/07/86	7.4	779	353.35	0.948
3966	CAS-02923	PAD94C25204	GRAVEL	PCB Remediation Debris	08/07/86	7.4	700	317.51	0.838
3966	CAS-02925	PAD94C25124	GRAVEL	PCB Remediation Debris	08/07/86	7.4	781	354.25	0.951
3966	CAS-02951	PAD94C25177	GRAVEL	PCB Remediation Debris	08/07/86	7.4	844	382.83	1.038
3966	CAS-02953	PAD94C25180	GRAVEL	PCB Remediation Debris	08/07/86	7.4	846	383.74	1.041
3966	CAS-02954	PAD94C25113	GRAVEL	PCB Remediation Debris	08/07/86	7.4	796	361.06	0.971
3966	CAS-02955	PAD94C25112	GRAVEL	PCB Remediation Debris	08/07/86	7.4	827	375.12	1.015
3966	CAS-02960	PAD94C25232	GRAVEL	PCB Remediation Debris	08/07/86	7.4	809	366.95	0.990
3966	CAS-02980	PAD94C25236	GRAVEL	PCB Remediation Debris	08/07/86	7.4	819	371.49	1.004
3966	CAS-02981	PAD94C25200	GRAVEL	PCB Remediation Debris	08/07/86	7.4	771	349.72	0.937
3966	CAS-02982	PAD94C25205	GRAVEL	PCB Remediation Debris	08/07/86	7.4	798	361.96	0.974
3966	CAS-02983	PAD94C25253	GRAVEL	PCB Remediation Debris	08/07/86	7.4	799	362.42	0.976
3966	CAS-02984	PAD94C25237	GRAVEL	PCB Remediation Debris	08/07/86	7.4	768	348.36	0.932
3966	CAS-02985	PAD94C25221	GRAVEL	PCB Remediation Debris	08/07/86	7.4	758	343.82	0.919
3968	CAS-03243	PAD94C25188	GRAVEL	PCB Remediation Debris	08/11/86	7.4	849	385.10	1.045
3968	CAS-03248	PAD94C25164	GRAVEL	PCB Remediation Debris	08/11/86	7.4	788	357.43	0.960
3968	CAS-03250	PAD94C25152	GRAVEL	PCB Remediation Debris	08/11/86	7.4	813	368.77	0.995
3969	CAS-03262	PAD94C25172	GRAVEL	PCB Remediation Debris	08/14/86	7.4	483	219.08	0.535
3969	CAS-03263	PAD94C25132	GRAVEL	PCB Remediation Debris	08/14/86	7.4	813	368.77	0.995
3969	CAS-03269	PAD94C25165	GRAVEL	PCB Remediation Debris	08/14/86	7.4	835	378.75	1.026
3969	CAS-03272	PAD94C25133	GRAVEL	PCB Remediation Debris	08/14/86	7.4	784	355.61	0.955
3969	CAS-03275	PAD94C25084	GRAVEL	PCB Remediation Debris	08/14/86	7.4	805	365.14	0.984
3969	CAS-03276	PAD94C25220	GRAVEL	PCB Remediation Debris	08/14/86	7.4	795	360.60	0.970
3969	CAS-03278	PAD94C25173	GRAVEL	PCB Remediation Debris	08/14/86	7.4	797	361.51	0.973
3969	CAS-03280	PAD94C25141	GRAVEL	PCB Remediation Debris	08/14/86	7.4	805	365.14	0.984
3969	CAS-03281	PAD94C25153	GRAVEL	PCB Remediation Debris	08/14/86	7.4	804	364.69	0.983
3969	CAS-03283	PAD94C25252	GRAVEL	PCB Remediation Debris	08/14/86	7.4	793	359.70	0.967
3969	CAS-03284	PAD94C25116	GRAVEL	PCB Remediation Debris	08/14/86	7.4	784	355.61	0.955
3969	CAS-03285	PAD94C25233	GRAVEL	PCB Remediation Debris	08/14/86	7.4	794	360.15	0.969
3969	CAS-03287	PAD94C25201	GRAVEL	PCB Remediation Debris	08/14/86	7.4	801	363.33	0.978
3969	CAS-03288	PAD94C25140	GRAVEL	PCB Remediation Debris	08/14/86	7.4	798	361.96	0.974
3969	CAS-03349	PAD94C25217	GRAVEL	PCB Remediation Debris	08/14/86	7.4	796	361.06	0.971
3969	CAS-03350	PAD94C25249	GRAVEL	PCB Remediation Debris	08/14/86	7.4	774	351.08	0.941
3969	CAS-03351	PAD94C25245	GRAVEL	PCB Remediation Debris	08/14/86	7.4	767	347.90	0.931
3969	CAS-03352	PAD94C25248	GRAVEL	PCB Remediation Debris	08/14/86	7.4	805	365.14	0.984
3944	CAS-04368	PAD94C25157	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	756	342.91	0.916
3944	CAS-04369	PAD94C25244	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	730	331.12	0.879
3944	CAS-04389	PAD94C25129	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	651	295.29	0.769
3944	CAS-04415	PAD94C25128	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	671	304.36	0.797
3944	CAS-04416	PAD94C25136	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	666	302.09	0.790
3945	CAS-04432	PAD94C25068	CONTAMINATED CONCRETE	PCB Remediation Debris	10/07/87	7.4	773	350.63	0.939
3946	CAS-04463	PAD94C25168	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	747	338.83	0.903
3946	CAS-04464	PAD94C25160	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	799	362.42	0.976
3946	CAS-04482	PAD94C25137	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	796	361.06	0.971
3946	CAS-04490	PAD94C25216	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	850	385.55	1.047
6345	CAS-06130	PAD94C25196	PCB CONTAMINATED CONCRETE	PCB Remediation Debris	12/07/87	7.4	306	138.80	0.289
	Totals	**54**				**399.6**	**41719**	**18923**	**51**



Form Approved. OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: KY 8890008982
2. Page 1 of 3
3. Emergency Response Phone: 1-270-441-6211
4. Manifest Tracking Number: 001754622 JJK

5. Generator's Name and Mailing Address: U.S. DOE c/o Paducah Remediation Services, 761 Veterans Avenue, Kevil, KY 42053

Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address): U.S. DOE c/o Paducah Remediation Services, Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd, Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND007753095

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: EnergySolutions Clive Disposal Site-Bulk Waste Facility, US I-80 Exit 49, Clive, UT 84029 — U.S. EPA ID Number: UTD982598898

Facility's Phone: 1-435-884-0155

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ (PCB, Asbestos), Am-241, Tc-99, U-234, U-235, U-238, Solid/Oxide, 155 MBq, Fissile Excepted	100	DM	2363	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information: Truck: 3410 Van: UR3509 TID: 3021344

For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info

PCB Start Date: 10/25/1966
If undeliverable, return to generator
Shipment ID: 6202-15-0065

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on Behalf of US DOE — Signature: Carrie Maxie — Month/Day/Year: 05/27/08

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Hilton — Signature: [signature] — Month/Day/Year: 5/27/08
Transporter 2 Printed/Typed Name: — Signature: — Month/Day/Year:

18. Discrepancy
18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED JUN 30 2008 BY: TS

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARDNER — Signature: [signature] — Month/Day/Year: 05/30/08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

6202-15 - 0065

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001764622 JJK
Shipment ID Number: 6202-15-0065
Shipment Date: 5/27/2008

AFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (lbs)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
104511	104511-01	PAD03C00462	PIECES OF ELECTRICAL EQUIPMENT	07/31/02	0.97	14	6.35	0.259
54879	54879-01	PAD97C01826	ASBESTOS GLOVES/WIRE/TYVEK	07/11/97	7.4	128	58.06	2.143
6624	CAS-08266	PAD94C22175	TRENCH PIPE INSULATION	10/25/88	7.4	83	28.58	0.208
6474	CAS-08286	PAD95C01798	INSULATION PIPE TRENCH	11/15/88	7.4	183	73.94	3.184
6474	CAS-08293	PAD95C01801	INSULATION PIPE TRENCH	11/15/88	7.4	110	49.89	1.907
6474	CAS-08303	PAD95C01802	INSULATION PIPE TRENCH	11/15/88	7.4	82	37.19	0.774
6474	CAS-08304	PAD95C01785	INSULATION PIPE TRENCH	11/15/88	7.4	81	36.74	0.744
6842	CAS-08773	PAD94C27280	ASBESTOS/AUTOCLAVES	10/18/89	7.4	93	42.18	1.101
6842	CAS-08774	PAD94C27300	ASBESTOS/AUTOCLAVES	10/18/89	7.4	93	42.18	1.101
6842	CAS-08775	PAD94C27279	ASBESTOS/AUTOCLAVES	10/18/89	7.4	93	42.18	1.101
6842	CAS-08776	PAD94C27299	ASBESTOS/AUTOCLAVES	10/18/89	7.4	93	42.18	1.101
6842	CAS-08798	PAD94C27233	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.369
6842	CAS-08799	PAD94C27254	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.369
6842	CAS-08855	PAD94C27289	ASBESTOS/AUTOCLAVES	10/18/89	7.4	103	46.72	1.399
6842	CAS-08856	PAD94C27289	ASBESTOS/AUTOCLAVES	10/18/89	7.4	103	46.72	1.399
6842	CAS-08861	PAD94C27369	ASBESTOS/AUTOCLAVES	10/18/89	7.4	86	39.01	0.893
6842	CAS-08862	PAD94C27367	ASBESTOS/AUTOCLAVES	10/18/89	7.4	86	39.01	0.893
6842	CAS-08863	PAD94C27370	ASBESTOS/AUTOCLAVES	10/18/89	7.4	86	39.01	0.893
6842	CAS-08864	PAD94C27366	ASBESTOS/AUTOCLAVES	10/18/89	7.4	86	39.01	0.893
6842	CAS-08886	PAD94C27336	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-08909	PAD94C27173	ASBESTOS/AUTOCLAVES	10/18/89	7.4	96	43.54	1.190
6842	CAS-08910	PAD94C27149	ASBESTOS/AUTOCLAVES	10/18/89	7.4	96	43.54	1.190
6842	CAS-08911	PAD94C27174	ASBESTOS/AUTOCLAVES	10/18/89	7.4	96	43.54	1.190
6842	CAS-08912	PAD94C27150	ASBESTOS/AUTOCLAVES	10/18/89	7.4	96	43.54	1.190
6842	CAS-08933	PAD94C27179	ASBESTOS/AUTOCLAVES	10/18/89	7.4	96	43.54	1.190
6842	CAS-08934	PAD94C27155	ASBESTOS/AUTOCLAVES	10/18/89	7.4	96	43.54	1.190
6842	CAS-08935	PAD94C27180	ASBESTOS/AUTOCLAVES	10/18/89	7.4	96	43.54	1.190
6842	CAS-08936	PAD94C27156	ASBESTOS/AUTOCLAVES	10/18/89	7.4	96	43.54	1.190
6842	CAS-08949	PAD94C27146	ASBESTOS/AUTOCLAVES	10/18/89	7.4	103	46.72	1.399
6842	CAS-08950	PAD94C27170	ASBESTOS/AUTOCLAVES	10/18/89	7.4	103	46.72	1.399
6842	CAS-08951	PAD94C27145	ASBESTOS/AUTOCLAVES	10/18/89	7.4	103	46.72	1.399
6842	CAS-08952	PAD94C27169	ASBESTOS/AUTOCLAVES	10/18/89	7.4	103	46.72	1.399
6842	CAS-08961	PAD94C28081	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-08962	PAD94C28112	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-08963	PAD94C28082	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-08965	PAD94C28111	ASBESTOS/AUTOCLAVES	10/18/89	7.4	114	51.71	1.726
6842	CAS-08966	PAD94C28080	ASBESTOS/AUTOCLAVES	10/18/89	7.4	114	51.71	1.726
6842	CAS-08967	PAD94C28110	ASBESTOS/AUTOCLAVES	10/18/89	7.4	114	51.71	1.726
6842	CAS-08968	PAD94C28079	ASBESTOS/AUTOCLAVES	10/18/89	7.4	114	51.71	1.726
6842	CAS-08989	PAD94C27092	ASBESTOS/AUTOCLAVES	10/18/89	7.4	93	42.18	1.101
6842	CAS-08990	PAD94C27116	ASBESTOS/AUTOCLAVES	10/18/89	7.4	93	42.18	1.101
6842	CAS-08991	PAD94C27096	ASBESTOS/AUTOCLAVES	10/18/89	7.4	93	42.18	1.101
6842	CAS-08992	PAD94C27115	ASBESTOS/AUTOCLAVES	10/18/89	7.4	93	42.18	1.101
6842	CAS-09014	PAD94C28051	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-09022	PAD94C28049	ASBESTOS/AUTOCLAVES	10/18/89	7.4	99	44.91	1.280
6842	CAS-09029	PAD94C28101	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-09030	PAD94C28070	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-09032	PAD94C28069	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-09045	PAD94C27353	ASBESTOS/AUTOCLAVES	10/18/89	7.4	90	40.82	1.012
6842	CAS-09046	PAD94C27365	ASBESTOS/AUTOCLAVES	10/18/89	7.4	90	40.82	1.012
6842	CAS-09047	PAD94C27354	ASBESTOS/AUTOCLAVES	10/18/89	7.4	90	40.82	1.012

PCB and Additional Information Attachment, Page 3 of 3
Manifest Number: 001754622 JJK
Shipment ID Number: 6202-15-0065
Shipment Date: 5/27/2008

RFID	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
6842	CAS-09048	PAD94C27356	ASBESTOS/AUTOCLAVES	10/18/89	7.4	90	40.82	1.012
6842	CAS-09057	PAD94C27285	ASBESTOS/AUTOCLAVES	10/18/89	7.4	99	44.91	1.260
6842	CAS-09058	PAD94C27305	ASBESTOS/AUTOCLAVES	10/18/89	7.4	99	44.91	1.260
6842	CAS-09059	PAD94C27288	ASBESTOS/AUTOCLAVES	10/18/89	7.4	99	44.91	1.260
6842	CAS-09060	PAD94C27306	ASBESTOS/AUTOCLAVES	10/18/89	7.4	99	44.91	1.260
6842	CAS-09061	PAD94C27287	ASBESTOS/AUTOCLAVES	10/18/89	7.4	107	48.53	1.518
6842	CAS-09062	PAD94C27307	ASBESTOS/AUTOCLAVES	10/18/89	7.4	107	48.53	1.518
6842	CAS-09063	PAD94C27286	ASBESTOS/AUTOCLAVES	10/18/89	7.4	107	48.53	1.518
6842	CAS-09064	PAD94C27308	ASBESTOS/AUTOCLAVES	10/18/89	7.4	107	48.53	1.518
6842	CAS-09241	PAD94C27148	ASBESTOS/AUTOCLAVES	10/18/89	7.4	129	58.51	2.173
6842	CAS-09242	PAD94C27172	ASBESTOS/AUTOCLAVES	10/18/89	7.4	129	58.51	2.173
6842	CAS-09243	PAD94C27147	ASBESTOS/AUTOCLAVES	10/18/89	7.4	129	58.51	2.173
6842	CAS-09244	PAD94C27171	ASBESTOS/AUTOCLAVES	10/18/89	7.4	129	58.51	2.173
6842	CAS-09253	PAD94C27185	ASBESTOS/AUTOCLAVES	10/18/89	7.4	101	45.81	1.339
6842	CAS-09254	PAD94C27141	ASBESTOS/AUTOCLAVES	10/18/89	7.4	101	45.81	1.339
6842	CAS-09255	PAD94C27186	ASBESTOS/AUTOCLAVES	10/18/89	7.4	101	45.81	1.339
6842	CAS-09256	PAD94C27142	ASBESTOS/AUTOCLAVES	10/18/89	7.4	101	45.81	1.339
6842	CAS-09257	PAD94C27091	ASBESTOS/AUTOCLAVES	10/18/89	7.4	92	41.73	1.071
6842	CAS-09258	PAD94C27114	ASBESTOS/AUTOCLAVES	10/18/89	7.4	92	41.73	1.071
6842	CAS-09259	PAD94C27090	ASBESTOS/AUTOCLAVES	10/18/89	7.4	92	41.73	1.071
6842	CAS-09260	PAD94C27113	ASBESTOS/AUTOCLAVES	10/18/89	7.4	92	41.73	1.071
6842	CAS-09289	PAD94C27157	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-09290	PAD94C27133	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-09291	PAD94C27158	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-09292	PAD94C27134	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-09293	PAD94C27371	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-09294	PAD94C27359	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-09295	PAD94C27372	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-09296	PAD94C27360	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-09298	PAD94C27135	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-09399	PAD94C25661	ASBESTOS/AUTOCLAVES	10/18/89	7.4	118	53.52	1.849
6842	CAS-09409	PAD94C25628	ASBESTOS/AUTOCLAVES	10/18/89	7.4	83	37.65	0.804
43180	CAS-17571	PAD95C02036	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	197	89.36	4.196
43180	CAS-17577	PAD95C02011	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	150	68.04	2.798
43180	CAS-17578	PAD95C02004	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	197	89.36	4.196
43180	CAS-17579	PAD95C02003	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	180	81.65	3.580
43180	CAS-17580	PAD95C02012	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	115	52.16	1.758
43180	CAS-17581	PAD95C02018	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	149	67.58	2.765
43180	CAS-17582	PAD95C02032	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	123	55.79	1.984
43180	CAS-17583	PAD95C02017	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	122	55.34	1.964
43180	CAS-17584	PAD95C02033	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	119	53.98	1.875
43180	CAS-17585	PAD95C02043	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	148	68.22	2.879
43180	CAS-17587	PAD95C02045	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	122	55.34	1.964
43180	CAS-17601	PAD95C02039	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	162	73.48	3.155
42700	CAS-17978	PAD95C00343	ASBESTOS WIRE	05/03/93	7.4	196	88.45	4.137
42700	CAS-17995	PAD95C00333	ASBESTOS WIRE	05/03/93	7.4	190	86.18	3.955
42700	CAS-17996	PAD95C00339	ASBESTOS WIRE	05/03/93	7.4	155	70.31	2.546
42700	CAS-17997	PAD95C00338	ASBESTOS WIRE	05/03/93	7.4	125	56.70	2.064
42700	CAS-17998	PAD95C00330	ASBESTOS WIRE	05/03/93	7.4	157	71.21	3.008
	Totals	199			733.27	19799	8980.17	193.057

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754624 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone: — U.S. EPA ID Number: UTD982366866

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ (PCB, Asbestos), Am-241, Tc-99, U-234, U-235, U-238, Solid/Oxide, 200 MBq, Fissile Excepted	100	DM	3063	K			
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: Truck 331 Van: 7031 TID: 0081003
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Shut Date: 10/25/1988
If undeliverable, return to generator
Shipment ID: 6202-15-0067

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE — Signature: Carrie Maxie — Month: 05 — Day: 27 — Year: 08

INTL

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. — Port of entry/exit: — Date leaving U.S.:
Transporter signature (for exports only):

TRANSPORTER

17. Transporter Acknowledgement of Receipt of Materials
Transporter 1 Printed/Typed Name: Ken Sandefur — Signature: K Sandefur — Month: 05 — Day: 22 — Year: 08
Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

RECEIVED JUN 30 2008 BY: TS

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 — 2. — 3. — 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 18a
Printed/Typed Name: J. GARDNER — Signature — Month: 05 — Day: 28 — Year: 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

6202-15 - 0067

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754624 JJK
Shipment ID Number: 6202-15-0067
Shipment Date: 5/27/2008

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (KG)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
3938	03938-01	PAD94C36873	ASBESTOS	06/23/00	7.4	127	57.61	2.113
3938	03938-02	PAD94C36874	ASBESTOS	06/23/00	7.4	128	58.06	2.143
3938	03938-06	PAD94C37969	ASBESTOS	06/23/00	7.4	98	44.45	1.250
5633	05633-02	PAD94C36273	ASBESTOS	12/07/00	7.4	154	69.85	2.917
5633	05633-04	PAD94C36272	ASBESTOS	10/30/01	7.4	155	70.31	2.946
103773	103773-01	PAD00C00483	PCB ASBESTOS SAMPLES FROM C-	09/09/00	7.4	169	76.66	3.353
5624	CAS-08252	PAD94C22116	TRENCH PIPE INSULATION	10/25/88	7.4	83	28.58	0.206
5624	CAS-08253	PAD94C22153	TRENCH PIPE INSULATION	10/25/88	7.4	83	28.58	0.206
5624	CAS-08254	PAD94C22117	TRENCH PIPE INSULATION	10/25/88	7.4	83	28.58	0.206
6474	CAS-08292	PAD95C01791	INSULATION PIPE TRENCH	11/15/88	7.4	216	97.98	4.762
6843	CAS-08745	PAD94C26005	PCB & ASBESTOS CONT. INSULATION	10/19/89	7.4	118	53.52	1.845
6842	CAS-08782	PAD94C27258	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.250
6842	CAS-08783	PAD94C27235	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.250
6842	CAS-08789	PAD94C27295	ASBESTOS/AUTOCLAVES	10/18/89	7.4	97	44.00	1.220
6842	CAS-08797	PAD94C27253	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.369
6842	CAS-08800	PAD94C27234	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.369
6842	CAS-08811	PAD94C26942	ASBESTOS/AUTOCLAVES	10/18/89	7.4	109	49.44	1.577
6842	CAS-08833	PAD94C27224	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-08834	PAD94C27201	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-08835	PAD94C27227	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-08836	PAD94C27202	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-08857	PAD94C27194	ASBESTOS/AUTOCLAVES	10/18/89	7.4	115	52.16	1.756
6842	CAS-08858	PAD94C27219	ASBESTOS/AUTOCLAVES	10/18/89	7.4	115	52.16	1.756
6842	CAS-08859	PAD94C27193	ASBESTOS/AUTOCLAVES	10/18/89	7.4	115	52.16	1.756
6842	CAS-08860	PAD94C27218	ASBESTOS/AUTOCLAVES	10/18/89	7.4	115	52.16	1.756
6842	CAS-08881	PAD94C27302	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.250
6842	CAS-08885	PAD94C27348	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.369
6842	CAS-08907	PAD94C27181	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.428
6842	CAS-08928	PAD94C27154	ASBESTOS/AUTOCLAVES	10/18/89	7.4	91	41.28	1.042
6842	CAS-08938	PAD94C27258	ASBESTOS/AUTOCLAVES	10/18/89	7.4	75	34.02	0.666
6842	CAS-08940	PAD94C27267	ASBESTOS/AUTOCLAVES	10/18/89	7.4	75	34.02	0.666
6842	CAS-08953	PAD94C26077	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-08954	PAD94C26108	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-08955	PAD94C26078	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-08958	PAD94C26109	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-08984	PAD94C26113	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-08981	PAD94C27154	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-08997	PAD94C26010	ASBESTOS/AUTOCLAVES	10/18/89	7.4	106	48.99	1.548
6842	CAS-08998	PAD94C26045	ASBESTOS/AUTOCLAVES	10/18/89	7.4	106	48.99	1.548
6842	CAS-08999	PAD94C26013	ASBESTOS/AUTOCLAVES	10/18/89	7.4	106	48.99	1.548
6842	CAS-09000	PAD94C26046	ASBESTOS/AUTOCLAVES	10/18/89	7.4	106	48.99	1.548
6842	CAS-09011	PAD94C26055	ASBESTOS/AUTOCLAVES	10/18/89	7.4	109	48.99	1.548
6842	CAS-09031	PAD94C26100	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-09049	PAD94C27375	ASBESTOS/AUTOCLAVES	10/18/89	7.4	93	42.18	1.101
6842	CAS-09050	PAD94C27366	ASBESTOS/AUTOCLAVES	10/18/89	7.4	93	42.18	1.101
6842	CAS-09051	PAD94C27378	ASBESTOS/AUTOCLAVES	10/18/89	7.4	93	42.18	1.101
6842	CAS-09052	PAD94C27368	ASBESTOS/AUTOCLAVES	10/18/89	7.4	93	42.18	1.101
6842	CAS-09101	PAD94C25512	ASBESTOS/AUTOCLAVES	10/18/89	7.4	96	43.54	1.190
6842	CAS-09121	PAD94C25409	ASBESTOS/AUTOCLAVES	10/18/89	7.4	96	43.54	1.190
6842	CAS-09175	PAD94C23005	ASBESTOS/AUTOCLAVES	10/18/89	7.4	112	50.80	1.667
6842	CAS-09177	PAD94C25483	ASBESTOS/AUTOCLAVES	10/18/89	7.4	105	47.63	1.456

PCB and Additional Information Attachment, Page 3 of 3
Manifest Number: 001754824 JJK
Shipment ID Number: 6202-15-0067
Shipment Date: 5/27/2008

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
6842	CAS-09176	PAD94C25519	ASBESTOS/AUTOCLAVES	10/18/89	7.4	105	47.63	1.458
6842	CAS-09179	PAD94C25492	ASBESTOS/AUTOCLAVES	10/18/89	7.4	105	47.63	1.458
6842	CAS-09180	PAD94C25515	ASBESTOS/AUTOCLAVES	10/18/89	7.4	105	47.63	1.458
6842	CAS-09229	PAD94C26274	ASBESTOS/AUTOCLAVES	10/18/89	7.4	96	43.54	1.190
6842	CAS-09281	PAD94C27206	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-09297	PAD94C27159	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-09357	PAD94C25930	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-09358	PAD94C25969	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-09359	PAD94C25929	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-09360	PAD94C25964	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-09378	PAD94C25933	ASBESTOS/AUTOCLAVES	10/18/89	7.4	63	28.58	0.208
6842	CAS-09390	PAD94C23112	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-09395	PAD94C23115	ASBESTOS/AUTOCLAVES	10/18/89	7.4	76	34.47	0.595
6842	CAS-09397	PAD94C25962	ASBESTOS/AUTOCLAVES	10/18/89	7.4	118	53.52	1.845
6842	CAS-09398	PAD94C25927	ASBESTOS/AUTOCLAVES	10/18/89	7.4	118	53.52	1.845
6842	CAS-09401	PAD94C26003	ASBESTOS/AUTOCLAVES	10/18/89	7.4	70	31.75	0.417
6842	CAS-09402	PAD94C26037	ASBESTOS/AUTOCLAVES	10/18/89	7.4	70	31.75	0.417
6842	CAS-09403	PAD94C26002	ASBESTOS/AUTOCLAVES	10/18/89	7.4	70	31.75	0.417
6842	CAS-09404	PAD94C26036	ASBESTOS/AUTOCLAVES	10/18/89	7.4	70	31.75	0.417
6842	CAS-09413	PAD94C26034	ASBESTOS/AUTOCLAVES	10/18/89	7.4	88	39.92	0.952
6842	CAS-09414	PAD94C26000	ASBESTOS/AUTOCLAVES	10/18/89	7.4	88	39.92	0.952
6842	CAS-09415	PAD94C26035	ASBESTOS/AUTOCLAVES	10/18/89	7.4	88	39.92	0.952
6842	CAS-09416	PAD94C26001	ASBESTOS/AUTOCLAVES	10/18/89	7.4	88	39.92	0.952
9817	CAS-10073	PAD94C03024	ASBESTOS/PCB/U	06/05/90	7.4	334	151.50	8.274
9817	CAS-10074	PAD94C02959	ASBESTOS/PCB/U	06/05/90	7.4	191	86.64	4.018
43180	CAS-17565	PAD95C02039	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	195	88.45	4.137
43180	CAS-17566	PAD95C02051	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	196	88.90	4.167
43180	CAS-17567	PAD95C02050	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	391	177.35	9.970
43180	CAS-17568	PAD95C02037	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	157	71.21	3.008
43180	CAS-17569	PAD95C02049	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	183	83.01	3.780
43180	CAS-17570	PAD95C02035	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	306	138.80	7.440
43180	CAS-17572	PAD95C02048	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	232	105.23	5.238
43180	CAS-17573	PAD95C02008	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	171	77.56	3.423
43180	CAS-17574	PAD95C02005	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	184	83.46	3.809
43180	CAS-17575	PAD95C02006	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	178	80.74	3.631
43180	CAS-17576	PAD95C02007	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	149	67.58	2.768
43180	CAS-17602	PAD95C02029	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	200	90.72	4.288
44888	CAS-17774	PAD95C00491	ACM PPE / PLASTIC, ASBESTOS	03/29/95	7.4	93	42.18	1.101
42700	CAS-17973	PAD95C00317	ASBESTOS WIRE	05/03/93	7.4	231	104.78	5.208
42700	CAS-17974	PAD95C00311	ASBESTOS WIRE	05/03/93	7.4	154	69.85	2.917
42700	CAS-17975	PAD95C00310	ASBESTOS WIRE	05/03/93	7.4	143	64.86	2.589
42700	CAS-17977	PAD95C00315	ASBESTOS WIRE	05/03/93	7.4	158	71.67	3.036
42700	CAS-17978	PAD95C00319	ASBESTOS WIRE	05/03/93	7.4	166	75.30	3.274
42700	CAS-17979	PAD95C00320	ASBESTOS WIRE	05/03/93	7.4	195	88.45	4.137
42700	CAS-17986	PAD95C00322	ASBESTOS WIRE	05/03/93	7.4	177	80.29	3.801
42700	CAS-17987	PAD95C00326	ASBESTOS WIRE	05/03/93	7.4	154	69.85	2.917
42700	CAS-17988	PAD95C00323	ASBESTOS WIRE	05/03/93	7.4	144	65.32	2.619
42700	CAS-17999	PAD95C00337	ASBESTOS WIRE	05/03/93	7.4	142	64.41	2.569
42700	CAS-18000	PAD95C00336	ASBESTOS WIRE	05/03/93	7.4	151	68.49	2.827
	Totals	100			748	12419	5633.13	302.943

ENERGYSOLUTIONS

3 mi. S. Ext. 49, I-80
Clive, Utah 84029 EPA
ID: UT982598898

CERTIFICATE OF DISPOSAL

Rev. 0

This Certificate acknowledges that the following manifested shipments:

Shipment	Manifest	Date(s) of Disposal	Cu/Ft	Process	Disposal Location
6202-15-0066	54623	09/16/08	7.5	Landfill	Mixed Waste Cell
6202-15-0072	54629	09/16/08	7.5	Landfill	Mixed Waste Cell

JAN 13 2009

TS

Representing 15 Cubic feet of waste of at listed Disposal Facility landfill. Disposal is subject to Energy*Solutions* Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement. This does not include the treatment byproduct secondary waste (condensate). Treatment byproduct secondary waste is awaiting incineration from a third party incinerator.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse C. Garcia
Director of Mixed Waste Operations

12/22/08
Date

09/29/2008

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number: KY 8890008982	2. Page 1 of 3	3. Emergency Response Phone: 1-270-441-6211	4. Manifest Tracking Number: 001754623 JJK

5. Generator's Name and Mailing Address:
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address):
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd.
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-II), 7, UN2912, RQ (PCB, Asbestos), Am-241, Tc-99, U-234, U-235, U-238, Solid/Oxide, 159 MBq, Fissile Excepted	100	DM	2429	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information: Truck: 333 Van: 7380 TID: 008158
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 11/15/1988
If undeliverable, return to generator
Shipment ID: 6202-15-0066

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Marie on behalf of USDOE | Signature: [signature] | Month 05 Day 27 Year 08

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Lee Payne | Signature: [signature] | Month 5 Day 27 Year 08
Transporter 2 Printed/Typed Name: | Signature: | Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

RECEIVED JUN 3 0 2008 BY:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H134			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee | Signature: [signature] | Month 5 Day 29 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

6202-15 - 0066

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754823 JJK
Shipment ID Number: 6202-15-0066
Shipment Date: 5/27/2006

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
3649	03649-07	PAD94C37967	ASBESTOS	06/23/00	7.4	79	36.83	0.555
4788	04788-12	PAD94C39242	ASBESTOS	12/07/00	7.4	103	46.72	1.399
54879	54879-03	PAD97C01827	LIGHT FIXTURE PARTS W/ASBESTOS	07/11/97	7.4	133	60.33	2.202
55791	55791-01	PAD98C02132	PCB/ASBESTOS COPPER WIRE	04/09/98	7.4	202	91.63	4.345
6474	CAS-08297	PAD95C01806	INSULATION PIPE TRENCH	11/15/95	7.4	80	36.29	0.714
6474	CAS-08300	PAD95C01794	INSULATION PIPE TRENCH	11/15/95	7.4	92	41.73	1.071
6474	CAS-08301	PAD95C01803	INSULATION PIPE TRENCH	11/15/95	7.4	94	42.64	1.151
6842	CAS-08777	PAD94C27312	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-08778	PAD94C27332	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-08779	PAD94C27311	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-08780	PAD94C27331	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-08805	PAD94C27343	ASBESTOS/AUTOCLAVES	10/18/89	7.4	105	47.63	1.458
6842	CAS-08806	PAD94C27323	ASBESTOS/AUTOCLAVES	10/18/89	7.4	105	47.63	1.458
6842	CAS-08807	PAD94C27344	ASBESTOS/AUTOCLAVES	10/18/89	7.4	105	47.63	1.458
6842	CAS-08808	PAD94C27324	ASBESTOS/AUTOCLAVES	10/18/89	7.4	105	47.63	1.458
6842	CAS-08821	PAD94C27152	ASBESTOS/AUTOCLAVES	10/18/89	7.4	105	47.63	1.458
6842	CAS-08822	PAD94C27176	ASBESTOS/AUTOCLAVES	10/18/89	7.4	105	47.63	1.458
6842	CAS-08823	PAD94C27151	ASBESTOS/AUTOCLAVES	10/18/89	7.4	105	47.63	1.458
6842	CAS-08824	PAD94C27175	ASBESTOS/AUTOCLAVES	10/18/89	7.4	105	47.63	1.458
6842	CAS-08865	PAD94C27100	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-08866	PAD94C27124	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-08867	PAD94C27099	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-08868	PAD94C27123	ASBESTOS/AUTOCLAVES	10/18/89	7.4	95	43.09	1.161
6842	CAS-08869	PAD94C27389	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-08870	PAD94C27379	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-08871	PAD94C27392	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-08872	PAD94C27382	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-08873	PAD94C27127	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.359
6842	CAS-08874	PAD94C27103	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.359
6842	CAS-08875	PAD94C27128	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.359
6842	CAS-08876	PAD94C27104	ASBESTOS/AUTOCLAVES	10/18/89	7.4	102	46.27	1.359
6842	CAS-08877	PAD94C27272	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-08878	PAD94C27292	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-08879	PAD94C27271	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-08880	PAD94C27291	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-08881	PAD94C27310	ASBESTOS/AUTOCLAVES	10/18/89	7.4	89	40.37	0.982
6842	CAS-08882	PAD94C27330	ASBESTOS/AUTOCLAVES	10/18/89	7.4	89	40.37	0.982
6842	CAS-08883	PAD94C27309	ASBESTOS/AUTOCLAVES	10/18/89	7.4	89	40.37	0.982
6842	CAS-08884	PAD94C27329	ASBESTOS/AUTOCLAVES	10/18/89	7.4	89	40.37	0.982
6842	CAS-08921	PAD94C27204	ASBESTOS/AUTOCLAVES	10/18/89	7.4	103	46.72	1.399
6842	CAS-08922	PAD94C27228	ASBESTOS/AUTOCLAVES	10/18/89	7.4	103	46.72	1.399
6842	CAS-08923	PAD94C27203	ASBESTOS/AUTOCLAVES	10/18/89	7.4	103	46.72	1.399
6842	CAS-08924	PAD94C27226	ASBESTOS/AUTOCLAVES	10/18/89	7.4	103	46.72	1.399
6842	CAS-08929	PAD94C27106	ASBESTOS/AUTOCLAVES	10/18/89	7.4	90	40.82	1.012
6842	CAS-08930	PAD94C27130	ASBESTOS/AUTOCLAVES	10/18/89	7.4	90	40.82	1.012
6842	CAS-08931	PAD94C27105	ASBESTOS/AUTOCLAVES	10/18/89	7.4	90	40.82	1.012
6842	CAS-08932	PAD94C27129	ASBESTOS/AUTOCLAVES	10/18/89	7.4	90	40.82	1.012
6842	CAS-08941	PAD94C27318	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-08942	PAD94C27338	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-08943	PAD94C27317	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309
6842	CAS-08944	PAD94C27337	ASBESTOS/AUTOCLAVES	10/18/89	7.4	100	45.36	1.309

PCB and Additional Information Attachment, Page 3 of 3
Manifest Number: 001754623 JJK
Shipment ID Number: 6202-15-0066
Shipment Date: 5/27/2006

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
6842	CAS-09073	PAD94C26073	ASBESTOS/AUTOCLAVES	10/18/89	7.4	106	48.08	1.488
6842	CAS-09074	PAD94C26104	ASBESTOS/AUTOCLAVES	10/18/89	7.4	106	48.08	1.488
6842	CAS-09075	PAD94C26074	ASBESTOS/AUTOCLAVES	10/18/89	7.4	106	48.08	1.488
6842	CAS-09076	PAD94C26105	ASBESTOS/AUTOCLAVES	10/18/89	7.4	106	48.08	1.488
6842	CAS-09033	PAD94C27342	ASBESTOS/AUTOCLAVES	10/18/89	7.4	115	52.16	1.756
6842	CAS-09034	PAD94C27322	ASBESTOS/AUTOCLAVES	10/18/89	7.4	115	52.16	1.756
6842	CAS-09035	PAD94C27341	ASBESTOS/AUTOCLAVES	10/18/89	7.4	115	52.16	1.756
6842	CAS-09036	PAD94C27321	ASBESTOS/AUTOCLAVES	10/18/89	7.4	115	52.16	1.756
6842	CAS-09065	PAD94C27245	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09066	PAD94C27265	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09067	PAD94C27246	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09068	PAD94C27266	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09085	PAD94C25979	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09086	PAD94C25944	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09066	PAD94C25943	ASBESTOS/AUTOCLAVES	10/18/89	7.4	104	47.17	1.429
6842	CAS-09122	PAD94C25445	ASBESTOS/AUTOCLAVES	10/18/89	7.4	96	43.54	1.190
6842	CAS-09123	PAD94C25408	ASBESTOS/AUTOCLAVES	10/18/89	7.4	96	43.54	1.190
6842	CAS-09245	PAD94C27099	ASBESTOS/AUTOCLAVES	10/18/89	7.4	119	53.98	1.575
6842	CAS-09246	PAD94C27122	ASBESTOS/AUTOCLAVES	10/18/89	7.4	119	53.98	1.575
6842	CAS-09247	PAD94C27097	ASBESTOS/AUTOCLAVES	10/18/89	7.4	119	53.98	1.575
6842	CAS-09248	PAD94C27121	ASBESTOS/AUTOCLAVES	10/18/89	7.4	119	53.98	1.575
6842	CAS-09301	PAD94C27345	ASBESTOS/AUTOCLAVES	10/18/89	7.4	88	39.92	0.952
6842	CAS-09302	PAD94C27325	ASBESTOS/AUTOCLAVES	10/18/89	7.4	88	39.92	0.952
6842	CAS-09303	PAD94C27346	ASBESTOS/AUTOCLAVES	10/18/89	7.4	88	39.92	0.952
6842	CAS-09304	PAD94C27326	ASBESTOS/AUTOCLAVES	10/18/89	7.4	88	39.92	0.952
6842	CAS-09365	PAD94C25970	ASBESTOS/AUTOCLAVES	10/18/89	7.4	92	41.73	1.071
6842	CAS-09366	PAD94C25935	ASBESTOS/AUTOCLAVES	10/18/89	7.4	92	41.73	1.071
6842	CAS-09367	PAD94C25971	ASBESTOS/AUTOCLAVES	10/18/89	7.4	92	41.73	1.071
6842	CAS-09368	PAD94C25936	ASBESTOS/AUTOCLAVES	10/18/89	7.4	92	41.73	1.071
6842	CAS-09369	PAD94C25938	ASBESTOS/AUTOCLAVES	10/18/89	7.4	116	52.62	1.766
6842	CAS-09370	PAD94C25973	ASBESTOS/AUTOCLAVES	10/18/89	7.4	116	52.62	1.766
6842	CAS-09371	PAD94C25937	ASBESTOS/AUTOCLAVES	10/18/89	7.4	116	52.62	1.766
6842	CAS-09372	PAD94C25972	ASBESTOS/AUTOCLAVES	10/18/89	7.4	116	52.62	1.766
6842	CAS-09373	PAD94C25974	ASBESTOS/AUTOCLAVES	10/18/89	7.4	84	38.10	0.833
6842	CAS-09374	PAD94C25939	ASBESTOS/AUTOCLAVES	10/18/89	7.4	84	38.10	0.833
6842	CAS-09375	PAD94C25975	ASBESTOS/AUTOCLAVES	10/18/89	7.4	84	38.10	0.833
6842	CAS-09376	PAD94C25940	ASBESTOS/AUTOCLAVES	10/18/89	7.4	84	38.10	0.833
6842	CAS-09410	PAD94C25961	ASBESTOS/AUTOCLAVES	10/18/89	7.4	83	37.65	0.804
6842	CAS-09411	PAD94C25926	ASBESTOS/AUTOCLAVES	10/18/89	7.4	83	37.65	0.804
6842	CAS-09412	PAD94C25960	ASBESTOS/AUTOCLAVES	10/18/89	7.4	83	37.65	0.804
4827	CAS-09027	PAD94C03779	ASBESTOS SLUDGE	04/02/90	7.4	209	94.80	4.563
43180	CAS-17599	PAD95C02022	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	260	117.93	6.071
43180	CAS-17590	PAD95C02024	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	134	60.78	2.321
43180	CAS-17591	PAD95C02027	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	156	70.76	2.976
43180	CAS-17592	PAD95C02026	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	157	71.21	3.006
43180	CAS-17597	PAD95C02023	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	148	67.13	2.736
43180	CAS-17596	PAD95C02025	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	233	105.69	5.268
43180	CAS-17599	PAD95C02028	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	209	94.80	4.563
43180	CAS-17600	PAD95C02021	WIRING/ASBESTOS/INSULATION	05/03/93	7.4	280	127.01	6.867
	Totals	100			740	16964	4968.82	159.342

6202-15 - 0066

09/29/2008

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number: KY 8890008982	2. Page 1 of 3	3. Emergency Response Phone: 1-270-441-6211	4. Manifest Tracking Number: 001754629 JJK

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ (PCB, Asbestos), Am-241, Tc-99, U-234, U-235, U-238, Solid/Oxide, 277 MBq, Fissile Excepted	98	DM	4227	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information: TRACE TN ... TID# 0021244
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 11/15/1988
If undeliverable, return to generator
Shipment ID: 6202-15-0072

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David R DelaCruz on behalf of US DOE — Signature: David R DeLaCruz — Month/Day/Year: 06/13/08

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: — Date leaving U.S.:
Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Louis Sanborn — Signature: [signature] — Month/Day/Year: 6/13/08
Transporter 2 Printed/Typed Name — Signature — Month/Day/Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED JUL 29 2008 BY: [initials]

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARDNER — Signature: [signature] — Month/Day/Year: 06/17/08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

6202-15 - 0072

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754629JJK
Shipment ID Number: 6202-15-0072
Shipment Date: 6/13/2008

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (lb)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
8131	08131-04	PAD94C37149	ASBESTOS	06/23/00	7.4	133	60.33	2.282
101709	101709-01	PAD00C00467	PCB, LOW-LEVEL RAD, SAMPLE RESIDUAL. "MAY CONTAIN ASBESTOS".	02/15/00	0.67	22	9.98	0.506
101709	101709-02	PAD01C02726	PCB, LOW-LEVEL RAD, SAMPLE RESIDUAL. "MAY CONTAIN ASBESTOS".	02/22/00	0.67	28	12.70	0.685
103773	103773-02	PAD00C00479	PCB ASBESTO SAMPLES FROM C-710 LAB (SAMPLING EVENT AW-41)	06/09/00	7.4	170	77.11	3.393
103773	103773-03	PAD00C00478	PCB ASBESTOS SAMPLES FROM C-710 LAB (SAMPLING EVENT AW-41)	06/09/00	7.4	170	77.11	3.393
106635	106635-01	PAD03C01341	SAMPLE RESIDUALS BOTTLED SOLID SAMPLES	04/17/03	0.67	18	8.18	0.387
116283	116283-01	PAD05C01877	ASBESTOS COATED PCB WIRE	05/25/05	7.4	75	34.02	0.583
43406	43406-01	PAD95C02282	ASBESTOS WIRE INSULATION	09/14/95	4	50	22.68	0.695
6474	CAS-08289	PAD95C01805	INSULATION PIPE TRENCH	11/15/95	7.4	98	44.45	1.250
6474	CAS-08291	PAD95C03444	INSULATION PIPE TRENCH	11/15/95	7.4	377	171.00	7.172
6474	CAS-08298	PAD95C01792	INSULATION PIPE TRENCH	11/15/95	7.4	72	32.66	0.478
6842	CAS-08839	PAD94C27197	ASBESTOS/AUTOCLAVES	10/18/89	7.4	108	48.08	1.488
6842	CAS-08854	PAD94C27290	ASBESTOS/AUTOCLAVES	10/18/89	7.4	103	46.72	1.399
6842	CAS-08945	PAD94C27196	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.250
6842	CAS-08948	PAD94C27221	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.250
6842	CAS-08947	PAD94C27195	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.250
6842	CAS-08948	PAD94C27218	ASBESTOS/AUTOCLAVES	10/18/89	7.4	98	44.45	1.250
6842	CAS-09005	PAD94C25881	ASBESTOS/AUTOCLAVES	10/18/89	7.4	182	82.55	3.750
6842	CAS-09006	PAD94C25946	ASBESTOS/AUTOCLAVES	10/18/89	7.4	182	82.55	3.750
6842	CAS-09007	PAD94C25880	ASBESTOS/AUTOCLAVES	10/18/89	7.4	182	82.55	3.750
6842	CAS-09008	PAD94C25945	ASBESTOS/AUTOCLAVES	10/18/89	7.4	182	82.55	3.750
6842	CAS-09009	PAD94C28065	ASBESTOS/AUTOCLAVES	10/18/89	7.4	108	48.99	1.548
6842	CAS-09010	PAD94C28096	ASBESTOS/AUTOCLAVES	10/18/89	7.4	108	48.99	1.548
6842	CAS-09012	PAD94C28097	ASBESTOS/AUTOCLAVES	10/18/89	7.4	108	48.99	1.548
6842	CAS-09021	PAD94C28014	ASBESTOS/AUTOCLAVES	10/18/89	7.4	99	44.91	1.280
6842	CAS-09023	PAD94C28017	ASBESTOS/AUTOCLAVES	10/18/89	7.4	99	44.91	1.280
6842	CAS-09024	PAD94C28050	ASBESTOS/AUTOCLAVES	10/18/89	7.4	99	44.91	1.280
6842	CAS-09117	PAD94C28044	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-09118	PAD94C28011	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-09119	PAD94C28043	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-09120	PAD94C28008	ASBESTOS/AUTOCLAVES	10/18/89	7.4	94	42.64	1.131
6842	CAS-09337	PAD94C28313	ASBESTOS/AUTOCLAVES	10/18/89	7.4	114	51.71	1.726
6842	CAS-09338	PAD94C28297	ASBESTOS/AUTOCLAVES	10/18/89	7.4	114	51.71	1.726
6842	CAS-09339	PAD94C28312	ASBESTOS/AUTOCLAVES	10/18/89	7.4	114	51.71	1.726
29318	CAS-15659	PAD01C02957	EMPTY 17C DRUM WITH ASBESTOS	04/21/93	7.4	139	63.05	0.069
38180	CAS-16018	PAD94C22188	ASBESTOS/FIBERGLASS/INSULATION	04/21/93	7.4	82	37.19	0.774
38180	CAS-16022	PAD94C22088	ASBESTOS/FIBERGLASS/INSULATION	04/21/93	7.4	129	58.51	2.179
34854	CAS-16507	PAD94C02334	INSULATION-CELOTEX	09/23/93	7.4	151	68.49	2.827
38986	CAS-16650	PAD94C03398	RAGS/PPE/TRANSITE: PPE/ASBESTOS	11/05/93	0.67	11	4.99	0.179
33990	CAS-17522	PAD95C00013	WIRE INSULATION	01/12/94	4	98	44.45	2.024
43181	CAS-17610	PAD95C02085	WIRING/ASBESTOS/INSULATION	04/29/93	7.4	207	93.89	4.494
43181	CAS-17614	PAD95C01843	WIRING/ASBESTOS/INSULATION	04/29/93	7.4	225	102.06	5.050
43181	CAS-17617	PAD95C02068	WIRING/ASBESTOS/INSULATION	04/29/93	7.4	197	89.36	4.198
45092	CAS-17640	PAD95C02064	ASBESTOS TRANSITE	04/29/93	7.4	230	104.33	5.178
42700	CAS-18001	PAD95C00329	ASBESTOS WIRE	05/03/93	7.4	138	62.60	2.440
42888	CAS-17558	PAD95C02083	TERMINAL CONNECTORS W/ WIRE INSL	05/03/93	7.4	340	154.22	8.452
42691	CAS-17793	PAD95C00488	PCB WIRE	04/29/93	7.4	148	67.13	2.736
42691	CAS-17794	PAD95C00468	PCB WIRE	04/29/93	7.4	186	84.37	3.929
42691	CAS-17795	PAD95C00475	PCB WIRE	04/29/93	7.4	172	78.02	3.462
42691	CAS-17796	PAD95C00484	PCB WIRE	04/29/93	7.4	235	106.59	5.527
42691	CAS-17797	PAD95C00485	PCB WIRE	04/29/93	7.4	184	83.46	3.809

PCB and Additional Information Attachment, Page 3 of 3

Manifest Number: 001754629JJK
Shipment ID Number: 6202-15-0072
Shipment Date: 6/13/2008

RPD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (lb)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
42691	CAS-17798	PAD95C00474	PCB WIRE	04/29/93	7.4	178	80.74	3.631
42691	CAS-17799	PAD95C00481	PCB WIRE	04/29/93	7.4	200	90.44	4.464
42691	CAS-17800	PAD95C00457	PCB WIRE	04/29/93	7.4	199	90.81	4.228
42691	CAS-17801	PAD95C00458	PCB WIRE	04/29/93	7.4	197	89.36	4.196
42691	CAS-17802	PAD95C00460	PCB WIRE	04/29/93	7.4	188	85.27	3.928
42691	CAS-17803	PAD95C00456	PCB WIRE	04/29/93	7.4	233	105.69	5.288
42691	CAS-17804	PAD95C00455	PCB WIRE	04/29/93	7.4	187	84.82	3.850
42691	CAS-17805	PAD95C00463	PCB WIRE	04/29/93	7.4	165	74.84	3.244
42691	CAS-17806	PAD95C00462	PCB WIRE	04/29/93	7.4	196	84.37	3.869
42691	CAS-17807	PAD95C00459	PCB WIRE	04/29/93	7.4	146	66.22	2.679
42691	CAS-17808	PAD95C00453	PCB WIRE	04/29/93	7.4	189	85.73	3.956
42691	CAS-17809	PAD95C00478	PCB WIRE	04/29/93	7.4	183	83.01	3.780
42691	CAS-17810	PAD95C00461	PCB WIRE	04/29/93	7.4	150	68.04	2.798
42691	CAS-17811	PAD95C00466	PCB WIRE	04/29/93	7.4	144	65.32	2.619
42691	CAS-17812	PAD95C00467	PCB WIRE	04/29/93	7.4	210	95.25	4.583
42691	CAS-17813	PAD95C00486	PCB WIRE	04/29/93	7.4	250	113.40	5.774
42691	CAS-17814	PAD95C00484	PCB WIRE	04/29/93	7.4	205	92.99	4.434
42691	CAS-17815	PAD95C00469	PCB WIRE	04/29/93	7.4	182	82.55	3.760
42691	CAS-17816	PAD95C00471	PCB WIRE	04/29/93	7.4	224	101.60	5.000
42691	CAS-17817	PAD95C00468	PCB WIRE	04/29/93	7.4	185	83.91	3.839
42691	CAS-17818	PAD95C00470	PCB WIRE	04/29/93	7.4	174	78.92	3.512
42691	CAS-17819	PAD95C00480	PCB WIRE	04/29/93	7.4	164	74.39	3.214
42691	CAS-17820	PAD95C00476	PCB WIRE	04/29/93	7.4	129	58.06	2.143
42691	CAS-17821	PAD95C00477	PCB WIRE	04/29/93	7.4	165	74.84	3.244
42691	CAS-17822	PAD95C00479	PCB WIRE	04/29/93	7.4	103	46.72	1.369
42691	CAS-17823	PAD95C00445	PCB WIRE	04/29/93	7.4	194	83.46	3.809
42691	CAS-17824	PAD95C00446	PCB WIRE	04/29/93	7.4	179	81.19	3.651
42691	CAS-17825	PAD95C00443	PCB WIRE	04/29/93	7.4	183	83.01	3.760
42691	CAS-17826	PAD95C00442	PCB WIRE	04/29/93	7.4	179	81.19	3.651
42691	CAS-17827	PAD95C00452	PCB WIRE	04/29/93	7.4	150	68.04	2.798
42691	CAS-17828	PAD95C00447	PCB WIRE	04/29/93	7.4	166	75.30	3.274
42691	CAS-17829	PAD95C00451	PCB WIRE	04/29/93	7.4	201	91.17	4.315
42691	CAS-17830	PAD95C00449	PCB WIRE	04/29/93	7.4	166	75.20	3.333
42691	CAS-17831	PAD95C00448	PCB WIRE	04/29/93	7.4	199	90.26	4.256
42691	CAS-17832	PAD95C00469	PCB WIRE	04/29/93	7.4	144	65.32	2.619
42691	CAS-17833	PAD95C00453	PCB WIRE	04/29/93	7.4	121	54.88	1.934
42691	CAS-17834	PAD95C00454	PCB WIRE	04/29/93	7.4	218	98.88	4.821
42691	CAS-17835	PAD95C00441	PCB WIRE	04/29/93	7.4	156	70.76	2.976
42691	CAS-17836	PAD95C00440	PCB WIRE	04/29/93	7.4	220	99.79	4.881
42691	CAS-17837	PAD95C00444	PCB WIRE	04/29/93	7.4	77	34.93	0.825
42691	CAS-17838	PAD95C00450	PCB WIRE	04/29/93	7.4	170	77.11	3.393
42691	CAS-17839	PAD95C00473	PCB WIRE	04/29/93	7.4	127	57.61	2.113
42691	CAS-17840	PAD95C00487	PCB WIRE	04/29/93	7.4	142	64.41	2.568
42691	CAS-17841	PAD95C00472	PCB WIRE	04/29/93	7.4	151	68.49	2.627
42691	CAS-17842	PAD95C00482	PCB WIRE	04/29/93	7.4	170	77.11	3.393
	Totals	96			676.85	14600	6622.41	277.376

ENERGYSOLUTIONS

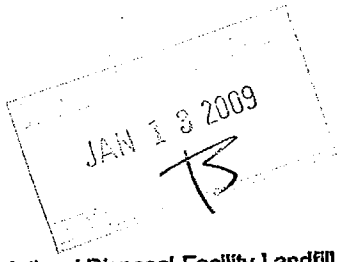
CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT982598898

DOE, PGDP/Paducah,

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (Cu/Ft)	Process	Disposal Location
6202-15-0071	54628	06/20/2008	576.0	Landfill	Mixed Waste



The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

7/1/08
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	2	1-270-441-6211	001754628 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ (PCB, Asbestos), Am-241, Tc-99, U-234, U-235, U-238, Solid/Oxide, 923 MBq, Fissile Excepted	6	CM	14064	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information Truck: 319 Trailer: 4835
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT. See PCB Attachment for Additional Info
PCB Start Date: 4/29/1993
If undeliverable, return to generator
Shipment ID: 6202-15-0071

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE — Signature: Carrie Maxie — Month 10 Day 10 Year 08

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Robert Wilson — Signature: Robert Wilson — Month 6 Day 10 Year 08
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

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19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J GARDNER — Signature — Month 10 Day 13 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Manifest Number: 001754628JJK
Shipment ID Number: 6202-15-0071
Shipment Date: 6/10/2008

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq	TIDs
44856	CAS-17917	PAD95C00378	TRANSITE ASBESTOS	04/29/93	90	7562	3430.05	201.246	0023565 / 0023562
44856	CAS-17918	PAD95C00377	TRANSITE ASBESTOS	04/29/93	90	7002	3176.04	184.580	0023566 / 0023561
42694	CAS-17932	PAD95C00169	TRANSITE ASBESTOS	05/03/93	90	6580	2984.62	172.021	0024500 / 0023558
42694	CAS-17933	PAD95C00168	TRANSITE ASBESTOS	05/03/93	90	1934	877.24	33.749	0023559 / 0023560
42694	CAS-17934	PAD95C00166	TRANSITE ASBESTOS	05/03/93	90	6172	2799.56	159.878	0023564 / 0023563
42694	CAS-17935	PAD95C00167	TRANSITE ASBESTOS	05/03/93	90	6556	2973.74	171.306	0023568 / 0023590
	Totals	**6**			**540**	**35806**	**16241.24**	**922.7807**	

ENERGYSOLUTIONS

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT982598898

DOE, PGDP/Paducah,

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (Cu/Ft)	Process	Disposal Location
6202-15-0074	54577	08/14/2008	576.0	Landfill	Mixed Waste
6202-15-0075	54578	08/14/2008	576.0	Landfill	Mixed Waste
6202-15-0076	54579	08/14/2008	576.0	Landfill	Mixed Waste
6202-15-0077	54580	08/21/2008	2,720.0	Landfill	Mixed Waste
6202-15-0080	54645	08/26/2008	2,720.0	Landfill	Mixed Waste
6202-15-0081	54646	08/26/2008	2,720.0	Landfill	Mixed Waste

The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

9/2/08
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: KY 8890008982
2. Page 1 of: 2
3. Emergency Response Phone: 1-270-441-6211
4. Manifest Tracking Number: 001754577 JJK

5. Generator's Name and Mailing Address:
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address):
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, surface contaminated objects (SCO-II), 7, UN2913, RQ(PCB), Np-237, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 3273 MBq, Fissile Excepted	6	CM	9621	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 33 / Trailer: 4823 TID: See PCB Attachment — PCB Start Date: 09/10/90
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 — If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional info — Shipment ID: 6202-15-0074

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE — Signature: [signature] — Month/Day/Year: 08/05/08

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Ken Sandefur — Signature: [signature] — Month/Day/Year: 08 05 08
Transporter 2 Printed/Typed Name: — Signature: — Month/Day/Year:

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

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19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee — Signature: [signature] — Month/Day/Year: 8 7 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

6202-15 - 0074

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754577 JJK
Shipment ID Number: 6202-15-0074
Shipment Date: 8/5/2008

Bulk Container Information

URWM Section	RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Date to Storage	NET VOLUME (lb)	GROSS WT (lb)	Gross Wt. (Kg)	Total Activity (MBq)	TID #1	TID #2
Page 1 - 9b.1	31687	CAS-12606	PAD94C15733	40 HP MOTOR/CT/LT BAL/STANCHIONS	9/10/1990	90	3408	1544.93	545.43	0028830	0028824
Page 1 - 9b.1	17657	CAS-15423	PAD94C17330	POTENTIAL DEVICES	5/12/1992	90	5356	2429.43	545.43	0028827	0028823
Page 1 - 9b.1	17709	CAS-15484	PAD94C17319	POTENTIAL DEVICES	7/14/1992	90	5336	2420.36	545.43	0028826	0028821
Page 1 - 9b.1	17660	CAS-15536	PAD94C17331	POTENTIAL DEVICES	7/25/1992	90	5318	2412.19	545.43	0028829	0028822
Page 1 - 9b.1	17710	CAS-15536	PAD94C17316	POTENTIAL DEVICES	7/22/1992	90	4926	2234.38	545.43	0028814	0028813
Page 1 - 9b.1	42277	CAS-17461	PAD94C32248	WEST. CONDITIONER OUTFIT (PUMP)	10/20/1994	90	2110	957.07	545.43	0001803	0001831
		Totals	6			540	26452	11998.36	3272.58		

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number: KY 8890008982	2. Page 1 of 2	3. Emergency Response Phone: 1-270-441-6211	4. Manifest Tracking Number: 001754578 JJK

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, surface contaminated objects (SCO-II), 7, UN2913, RQ(PCB), Np-237, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 3157 MBq, Fissile Excepted	6	CM	5224	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 337 Trailer: 4833 TID: See PCB Attachment — PCB Start Date: 02/06/93
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 — If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info — Shipment ID: 6202-15-0075

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of US DOE — Signature: [signature] — Month 08 Day 05 Year 08

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Donald Monday — Signature: [signature] — Month 8 Day 5 Year 08
Transporter 2 Printed/Typed Name — Signature — Month Day Year

RECEIVED SEP 19 2008 BY:

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee — Signature: [signature] — Month 8 Day 8 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2
Manifest Number: 001754578 JJK
Shipment ID Number: 6202-15-0075
Shipment Date: 8/5/2008

Bulk Container Information

UHWM Section	RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Total Activity (MBq)	TID #1	TID #2
Page 1 - 9b.1	101486	101486-01	PAD99C01176	METAL PUMPS/BUCKETS/WAGON PARTS	12/16/1999	98	1486	674.94	581.79	E104330	E104329
Page 1 - 9b.1	52645	52645-01	PAD97C04021	CUT UP DRUMS & PPE	1/20/1998	65	1000	453.59	393.92	E104342	E104341
Page 1 - 9b.1	3129	CAS-15909	PAD94C15753	PIPE THREADER & PARTS	2/5/1993	90	5464	2478.42	545.43	0028880	0028889
Page 1 - 9b.1	3129	CAS-15910	PAD94C15752	PIPE THREADER & PARTS	2/5/1993	90	4888	2217.15	545.43	0028890	0028894
Page 1 - 9b.1	45090	CAS-17524	PAD95C00615	WELDER; R/S 74A3 METAL PANELS	4/29/1993	90	1812	821.91	545.43	0028878	0028888
Page 1 - 9b.1	41662	CAS-17525	PAD95C09858	MISC. SCRAPMEAL PIECES	11/7/1994	90	1668	756.68	545.43	0028879	0028812
		Totals	**6**			**521**	**16318**	**7401.88**	**3157.45**		

TRUCK#349
TRAILER#4832

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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number KY 8890008982	2. Page 1 of 2	3. Emergency Response Phone 1-270-441-8211	4. Manifest Tracking Number 001754579 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, surface contaminated objects (SCO-II), 7, UN2913, RQ(PCB), Np-237, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 3273 MBq, Fissile Excepted	6	CM	10392	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 349 Trailer: 4832 TID: See PCB Attachment — PCB Start Date: 06/05/02
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 — If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info — Shipment ID: 6202-15-0076

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Marie on behalf of USDOE — Signature: Carrie Marie — Month 08 Day 08 Year 08

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. — Port of entry/exit: — Date leaving U.S.:
Transporter signature (for exports only):

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Robert Wilson — Signature: Robert Wilson — Month 08 Day 15 Year 08
Transporter 2 Printed/Typed Name — Signature — Month Day Year

RECEIVED SEP 19 2008 BY:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Albert Evans — Signature: Albert Evans — Month 08 Day 11 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754579 JJK
Shipment ID Number: 6202-15-0076
Shipment Date: 8/8/2008

Bulk Container Information

UHWM Section	RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Total Activity (MBq)	TID #1	TID #2
Page 1 - 9b.1	39223	CAS-17119	PAD94C28440	VENTILATION DUCT & GASKETS MAT'L	4/12/1994	90	1352	613.25	545.43	28855	0028857
Page 1 - 9b.1	17704	CAS-15449	PAD94C17329	POTENTIAL DEVICE	6/23/1992	90	5336	2420.36	545.43	E104333	E104334
Page 1 - 9b.1	17658	CAS-15428	PAD94C17327	POTENTIAL DEVICES	6/5/1992	90	5338	2421.26	545.43	E104335	E104336
Page 1 - 9b.1	17708	CAS-15490	PAD94C17328	POTENTIAL DEVICES	7/6/1992	90	5532	2509.26	545.43	28858	0028851
Page 1 - 9b.1	17702	CAS-15429	PAD94C17326	POTENTIAL DEVICES	6/15/1992	90	5348	2425.80	545.43	E104332	E104331
Page 1 - 9b.1	17661	CAS-15558	PAD94C17324	POTENTIAL DEVICES	8/11/1992	90	4804	2179.05	545.43	E104340	E104339
		Totals	**6**			**540**	**27710**	**12568.98**	**3272.59**		

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: KY 8890008982
2. Page 1 of: 4
3. Emergency Response Phone: 1-270-441-6211
4. Manifest Tracking Number: 001754580 JJK

5. Generator's Name and Mailing Address:
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address):
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, surface contaminated objects (SCO-II), 7, UN2913, RQ(PCB, Asbestos), Np-237, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 3273 MBq, Fissile Excepted	1	CM	8133	K	
X	2. Radioactive material, surface contaminated objects (SCO-II), 7, UN2913, RQ(PCB, Asbestos), Np-237, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 3273 MBq, Fissile Excepted	1	CM	5643	K	
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 3y7 Trailer: 4835 TID: ~~28665 and 1611~~ See PCB Attachment
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 PR05580
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 06/29/66
If undeliverable, return to generator
Shipment ID: 8202-15-0077

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Moxie on behalf of USDOE — Signature: [signature] — Month/Day/Year: 8 / 12 / 08

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: C.A. Potter — Signature: [signature] — Month/Day/Year: 8 / 12 / 08
Transporter 2 Printed/Typed Name: — Signature: — Month/Day/Year:

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

RECEIVED SEP 3 2008 BY: [initials]

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. H129 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARDNER — Signature: [signature] — Month/Day/Year: 08 / 15 / 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Manifest Number: 001754580 JJK
Shipment ID Number: 6202-15-0077
Shipment Date: 8/12/2008

Bulk Container Information

URWMI Section	RPD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	TID Number
Page 1 - 9b.1	Sealand 1	107433-01	PAD08C05362	PCB Capacitors, Light Ballasts and Fixtures, and other Miscellaneous PCB Contaminated Debris	8/29/1988	540	18340	8318.84	0028853
Page 1 - 9b.2	Sealand 2	107433-02	PAD08C05336	PCB Capacitors, Light Ballasts and Fixtures, and other Miscellaneous PCB Contaminated Debris	9/15/1989	540	17260	7828.96	0001811
		Totals	2			1080	35600	16147.80	

See attached Drum Lists for specific information for each drum loaded into bulk containers.

Manifest Number: 001754580 JJK
Shipment ID Number: 8202-15-0077
Shipment Date: 9/12/2008
Bulk Container ID Number: 107433-01

Barcode	WasteID	RFD	Net Vol	Gross Wt	Description	Origin Date	PCB Date
PAD99C00092	CAS-17523	37589	7.4	175	EMPTY 5 GAL BUCKETS	1/9/1998	4/19/1994
PAD00C00090	102499-01	102499	7.4	71	PCB CONTAMINATED LIGHT FIXTURE (SCRAPMETAL)	12/2/1999	12/2/1999
PAD05C00208	104919-02	104919	7.4	68	PLASTIC FITTINGS, METAL PAN, RAGS, VALVES, PIPES,	9/22/2004	9/22/2004
PAD95C00206	CAS-17929	42689	7.4	275	SCRAPMETAL	1/9/1995	3/3/1993
PAD98C00883	54032-01	54032	7.4	80	EMPTY BUCKETS	8/21/1998	8/21/1998
PAD94C03819	CAS-14063	11106	7.4	71	EMPTY DRUMS	8/22/1991	8/22/1991
PAD94C22140	CAS-16541	13907	7.4	245	MISC HAND TOOLS	1/13/1992	1/13/1992
PAD94C32355	CAS-16233	29748	7.4	314	PCB METALS/CONDUIT/UNISTRUT/WIRE	2/11/1993	3/16/1993
PAD94C00476	CAS-09674	9288	7.4	252	METAL PARTS PER SAMPLING	12/31/1998	12/31/1989
PAD94C21896	CAS-16940	31836	7.4	155	ALUMINUM/IRON/BOLTS/BLADES/RIVET	5/27/1993	5/27/1993
PAD94C21990	CAS-16932	31748	7.4	215	ALUMINUM/WIRE/IRON/BLADES/BOLTS	10/27/1993	10/27/1993
PAD94C00258	CAS-10056	11509	7.4	153	PLASTIC	2/28/1990	2/28/1990
PAD94C21869	CAS-16186	29198	7.4	161	ALUMINUM/BLADES/NUTS/BOLTS/RIVET	5/14/1993	5/14/1993
PAD98C03581	102534-01	102534	7.4	111	GLASS COLIWASAS,BOTTLES, METAL	10/28/1998	10/28/1998
PAD94C36277	CAS-16722	37376	7.4	342	ALUMINUM/STEEL/RIVETS	5/5/1993	5/5/1993
PAD94C21666	CAS-16192	29193	7.4	777	UNISTRUT/WASHERS/ANGLE IRON	5/17/1993	5/7/1993
PAD95C01535	CAS-16104	50333	7.4	91	PLASTIC	7/25/1995	7/25/1995
PAD95C10608	59809-01	59809	7.4	89	PLASTIC TANK PIECES	12/19/1998	10/4/1996
PAD94C32330	CAS-16339	35497	7.4	143	NUTS/RIVETS/BOLTS/RODS/CLAMPS	5/17/1993	5/17/1993
PAD94C22035	CAS-16942	31838	7.4	165	ALUMINUM/STEEL/IRON/BLADES/BITS	5/7/1993	5/7/1993
PAD00C00243	103295-01	103295	7.4	80	BOX LINER, BLANKET, PADS FROM 54195-02 (PCB CAPACI	8/11/2000	8/11/2000
PAD95C00588	44870-01	44870	7.4	374	CONDUIT/WIRE/TERMINATORS	4/30/1998	4/19/1996
PAD94C32312	CAS-16278	35480	7.4	198	RIVETS/NUTS/WASHERS/BLADES/CLAMP	4/8/1993	4/8/1993
PAD94C24319	CAS-15176	22476	7.4	415	TRAY CABLE	10/3/1990	10/3/1989
PAD95C03440	CAS-16031	45002	11.4	143	EMPTY 17E DRUM SCRAPMETAL	5/23/1995	5/23/1995
PAD98C02718	61974-01	61974	7.4	185	GLASS (BROKEN SAMPLE BOTTLES)	8/20/1998	8/20/1998
PAD94C02191	CAS-17114	41171	7.4	155	LIGHT FIXTURE W/HALOGEN BULB	3/31/1994	3/31/1994
PAD95C00164	CAS-18024	59961	7.4	161	METAL/PLASTIC VALVES/FITTINGS	8/1/1995	10/25/1994
PAD95C00155	CAS-17674	47854	7.4	126	EMPTY CANS/RAGS	3/28/1995	2/3/1995
PAD98C03572	101418-01	101418	7.4	125	LAB GLASSWARE, EMPTY	9/11/1998	9/11/1998
PAD94C22129	CAS-15916	23908	7.4	92	EMPTY SAMPLE CONTAINERS & DEBRIS	11/26/1992	12/2/1992
PAD94C22768	CAS-16583	32288	7.4	119	EMPTY SAMPLE CONTAINERS	9/30/1993	9/30/1993
PAD03C01371	106086-01	106086	7.4	193	COPPER WIRE AND LIGHT FIXTURES	8/30/2002	8/30/2002
PAD03C01059	106183-01	106183	7.4	80	COPPER WIRE AND CONDUIT	10/14/2002	10/14/2002
PAD94C30871	CAS-18017	32243	7.4	100	EMPTY WASTE CONTAINERS	1/4/1994	1/4/1994
PAD95C02711	55783-04	55783	11.4	126	EMPTY CONTAMINATED DRUM	7/10/1997	7/10/1997
PAD03C00796	106355-01	106355	7.4	124	280M3 COLLECTION DRUM FOR PVC PIPE, VALVES, PLASTI	3/5/2003	4/10/1991
PAD94C00883	CAS-10292	8398	7.4	109	STEEL CASTERS,RUBBER TIRE,PLASTC	4/8/1990	4/8/1990
PAD01C02132	104055-01	104055	7.4	68	ELECTRIC WIRE FROM DRUM MOUNTAIN	7/18/2000	
PAD94C22017	CAS-16930	31744	7.4	189	ALUMINUM/BLADES/BITS/RODS/STRAPS	10/18/1993	10/18/1993
PAD94C02345	CAS-14450	13439	7.4	115	AUTOSAMPLER	8/1/1991	8/1/1991
PAD06C02322	106891-02	106891	7.4	95	DRAINED PLASTIC COLLECTION/CONTAINERS USED FOR PCB	10/24/2006	10/11/2005
PAD94C22000	CAS-16980	32889	7.4	268	ALUMINUM/BLADES/BITS/RODS/BOLTS	5/8/1993	5/9/1993
PAD98C01595	101018-01	101018	7.4	95	PLASTIC BAGS/DUCT TAPE/ETC	8/18/1998	8/11/1998
PAD94C38285	CAS-16776	34484	7.4	169	PVC PIPE	9/14/1993	9/20/1993
PAD99C01144	101658-01	101658	7.4	118	WASTE SOLIDS/PVC PIPE AND FITTINGS	4/8/1999	2/5/1998
PAD94C00229	CAS-09676	9288	7.4	252	METAL PARTS PER SAMPLING	12/31/1998	12/31/1989
PAD94C02462	CAS-16724	7571	7.4	90	30 GAL EMPTY DRUM IN 55 GAL	11/5/1990	11/5/1990
PAD94C03774	CAS-11030	15602	7.4	98	SCREEN FLOORING	5/17/1990	5/17/1990
PAD94C22037	CAS-16958	32857	7.4	158	ALUMINUM/STEEL/IRON	5/8/1993	5/9/1993
PAD94C21894	CAS-16201	32090	7.4	137	PANS/BLADES/BOLTS/RIVETS	5/19/1993	5/19/1993
PAD98C01585	42536-02	42536	7.4	58	EMPTY 5-GAL BUCKETS (VENT OIL)	5/18/1998	5/11/1998
PAD94C37383	CAS-16730	37381	7.4	178	IRON/NUTS/BOLTS/RODS/CLAMP/BLADE	5/26/1993	5/26/1993
PAD94C21893	CAS-16190	29194	7.4	707	UNISTRUT/NUTS/BOLTS/WASHERS	5/14/1993	5/14/1993
PAD94C37365	CAS-16222	37357	7.4	210	PVC PIPE	4/22/1993	4/22/1993
PAD94C21895	CAS-16936	31834	7.4	226	ALUMINUM/BOLTS/NUTS/BLADES/RIVET	5/28/1993	5/28/1993
PAD94C37364	CAS-16213	34848	7.4	497	ALUMINUM/IRON/STEEL/NUTS/BOLTS	4/19/1993	4/19/1993
PAD94C03601	CAS-11386	9779	7.4	83	EMPTY TROUGH DRAIN CANS-5GAL 17E	1/8/1991	1/8/1991
PAD94C30559	CAS-17089	39118	7.4	160	EMPTY 5-gal BUCKETS	3/8/1994	3/18/1994
PAD94C22800	CAS-16534	34724	7.4	138	EMPTY 5 GALLON CONTAINERS	11/2/1993	10/29/1993
PAD00C00295	103286-02	103286	7.4	383	EMPTY SAMPLE BOTTLES GENERATED FROM LDR 96007	4/19/1999	6/17/1999
PAD95C02614	53681-01	53681	7.4	81	EMPTY CANS/PAILS 6 GA	2/5/1998	2/5/1998
PAD94C00421	CAS-09675	9286	7.4	252	METAL PARTS PER SAMPLING	12/31/1989	12/31/1989
PAD97C01658	47832-01	47832	7.4	162	GLASS/PAPER/PLASTIC/LATEX/RUBBER	8/12/1997	8/12/1997
PAD94C03760	CAS-12833	14152	7.4	76	PLASTIC	4/10/1991	4/10/1991
PAD05C06100	104919-01	104919	7.4	94	PLASTIC FITTINGS, METAL PAN, RAGS, VALVES, PIPES,	12/18/2003	12/18/2003
PAD94C22191	CAS-14566	1352	7.4	74	EMPTY PCB CONTAINERS	2/12/1992	2/12/1992
PAD97C01912	61898-01	61898	7.4	127	GLASS/METAL	8/28/1997	8/28/1997

Drum List Attachment, Page 4 of 4

Manifest Number: 001784580 JJK

Shipment ID Number: 6202-15-0077

Shipment Date: 8/12/2008

Bulk Container ID Number: 107433-02

Barcode	WasteID	RFD	Net Vol	Gross Wt	Description	Origin Date	PCB Date
PAD94C00590	CAS-11298	14240	7.4	182	DROP CLOTHS FROM CLEANUP	12/7/1990	12/7/1990
PAD94C22938	CAS-09878	9288	7.4	181	METAL PARTS PER SAMPLING	12/31/1988	12/31/1988
PAD03C01180	106364-07	106364	7.4	154	PCB SCRAP/METAL FROM 280 M3 PROJECT. INCLUDES FUNN	4/28/2003	2/8/1990
PAD94C03659	CAS-08427	22008	7.4	179	PLASTIC	4/28/1992	10/21/1989
PAD03C01349	106364-17	106364	7.4	92	PCB SCRAP/METAL FROM 280 M3 PROJECT. INCLUDES FUNN	6/23/2003	12/31/1989
PAD03C00891	106355-02	106355	7.4	154	280M3 COLLECTION DRUM FOR PBC PIPE, VALVES, PLASTI	3/11/2003	2/8/1990
PAD03C01182	106356-04	106356	7.4	151	280M3 COLLECTION DRUM FOR PBC PIPE, VALVES, PLASTI	3/31/2003	4/8/1990
PAD03C01550	106364-18	106364	7.4	91	PCB SCRAP/METAL FROM 280 M3 PROJECT. INCLUDES FUNN	6/23/2003	12/31/1989
PAD94C37348	CAS-17015	37288	7.4	136	METAL PIECES/RODS/RIVETS/PANS	2/3/1994	10/13/1990
PAD03C00793	106364-01	106364	7.4	127	PCB SCRAP/METAL FROM 280 M3 PROJECT. INCLUDES FUNN	3/17/1990	3/17/1990
PAD03C01273	106364-11	106364	7.4	250	PCB SCRAP/METAL FROM 280 M3 PROJECT. INCLUDES FUNN	5/21/2003	3/21/1990
PAD00C00095	102498-01	102498	7.4	53	PCB CONTAMINATED EMPTY METAL DRUMS.	12/13/1999	12/13/1999
PAD97C00679	55678-01	55678	7.4	120	CRUSHED DRUMS	2/18/1997	2/18/1997
PAD94C24831	CAS-15201	10485	7.4	97	PLASTIC	9/15/1989	9/15/1989
PAD00C00197	102107-03	102107	7.4	69	DUCT WORK FROM SEISMIC PROJECT. METAL FLANGES IN	3/1/2000	12/2/1999
PAD97C03853	44616-01	44616	7.4	70	LIGHT FIXTURE	7/31/1997	7/31/1997
PAD97C01425	44612-02	44612	7.4	95	METAL, PLASTIC, PPE, RAGS, ETC.	4/8/1997	4/8/1997
PAD94C24448	CAS-15172	23478	7.4	331	TRAY CABLE	10/3/1989	10/3/1989
PAD94C02449	CAS-14784	23576	7.4	68	PLASTIC/PCB LABEL/METAL PAH	12/5/1991	9/27/1991
PAD94C32289	CAS-16251	29733	7.4	429	METAL CONDUIT/UNISTRUT/WIRE	3/5/1993	3/5/1993
PAD94C21927	CAS-16978	40084	7.4	207	ALUMINUM/IRON/BLADES/PANS	9/20/1993	9/20/1993
PAD99C02741	101305-01	101305	7.4	82	EMPTY BREACHED AEROSOL CANS, NO LIQUID (TCLP AW-48	2/2/1999	2/2/1999
PAD94C21957	CAS-16993	40071	7.4	214	PVC PIPE/FITTINGS	10/18/1993	10/18/1993
PAD97C01960	62491-01	62491	7.4	159	GLASS/METAL	8/14/1997	8/14/1997
PAD94C21909	CAS-16187	32887	7.4	484	UNISTRUT/SAWBLADES/CLAMPS/RODS	5/4/1993	4/27/1993
PAD94C21910	CAS-16184	32885	7.4	490	UNISTRUT/ALUMINUM/NUTS/RODS	4/19/1993	4/19/1993
PAD94C21867	CAS-16944	32894	7.4	167	PVC PIPE/FITTINGS	5/27/1993	5/27/1993
PAD94C21891	CAS-16343	32893	7.4	364	BLADES/BOLTS/RODS/UNISTRUT	5/14/1993	5/17/1993
PAD95C00039	32259-01	32259	7.4	135	EMPTY PLASTIC VIALS	8/11/1994	8/10/1994
PAD94C21956	CAS-16985	40083	7.4	215	PVC PIPE/FITTINGS	10/12/1993	10/12/1993
PAD94C21921	CAS-16988	40067	7.4	166	PVC PIPE/FITTINGS	9/27/1993	9/27/1993
PAD94C21882	CAS-16308	29200	7.4	175	BLADES/BOLTS/WIRE/IRON/UNISTRUT	5/25/1993	5/25/1993
PAD94C03469	CAS-14886	27006	7.4	148	PLASTIC	1/27/1992	1/27/1992
PAD94C21874	CAS-16957	32896	7.4	165	PVC PIPE/FITTINGS	5/11/1993	5/11/1993
PAD98C01104	62038-01	62038	7.4	107	EMPTY DAMAGED 30-GAL 6HA1 DRUM	5/18/1998	5/14/1998
PAD94C03472	CAS-14886	27006	7.4	236	PLASTIC	1/27/1992	1/27/1992
PAD94C03473	CAS-14884	27006	7.4	111	PLASTIC	1/27/1992	1/27/1992
PAD94C21864	CAS-16200	29196	7.4	140	UNISTRUS/BLADES/NUTS/BOLTS/RIVET	5/21/1993	5/21/1993
PAD94C21923	CAS-16991	40089	7.4	178	ALUMINUM/IRON/BLADES/RIVETS/BITS	9/22/1993	9/22/1993
PAD94C21925	CAS-16980	40056	7.4	185	ALUMINUM/IRON/BLADES/BOLTS/BITS	9/27/1993	9/27/1993
PAD94C21960	CAS-16973	40025	7.4	203	PVC PIPE/FITTINGS	9/28/1993	9/28/1993
PAD94C21924	CAS-16990	40068	7.4	234	ALUMINUM/COPPER/STEEL/IRON/BLADE	10/18/1993	10/18/1993
PAD94C21967	CAS-16986	32884	7.4	501	ANGLE/UNISTRUT/CLAMPS/RODWIRE	4/20/1993	4/14/1993
PAD94C21944	CAS-16185	32886	7.4	503	UNISTRUT/ANGLE IRON/BOLTS/NUTS	4/28/1993	4/26/1993
PAD94C21892	CAS-16345	32895	7.4	190	PANS/BLADES/BOLTS/RIVETS/STRAPS	5/3/1993	5/2/1993
PAD97C00819	51973-01	51973	7.4	92	EMPTY BUCKETS	2/12/1997	12/12/1997
PAD97C01903	62488-01	62488	7.4	184	GLASS/METAL	5/30/1997	5/30/1997
PAD94C21982	CAS-16978	40065	7.4	232	ALUMINUM/STEEL/BLADES/RIVETS/NUT	9/30/1993	9/30/1993
PAD98C01465	47610-01	47610	7.4	169	GLASS/PAPER/PLASTIC	10/17/1998	10/17/1998
PAD97C00998	51982-01	51982	7.4	178	GLASS SAMPLE BOTTLES	3/31/1997	3/31/1997
PAD94C22002	CAS-15186	29139	7.4	178	PVC PIPE	5/4/1993	4/1/1993
PAD97C01424	44612-01	44612	7.4	94	METAL, PLASTIC, PPE, RAGS, ETC.	4/8/1997	4/8/1997
PAD98C01728	47178-01	47178	7.4	367	ELECTRICAL WIRE FROM CHILLER	3/11/1998	3/11/1998
PAD98C00007	51938-01	51938	7.4	102	GLASS COLIWASAS/BOTTLES	2/19/1998	2/19/1998
PAD94C21872	CAS-16191	32889	7.4	186	PVC PIPE	4/28/1993	4/29/1993
PAD94C03457	CAS-14500	22978	7.4	190	PIPE, METAL ANGLES	8/16/1991	7/18/1991
PAD98C00928	62498-01	62498	7.4	80	BROKEN GLASS SAMPLE BOTTLES	9/2/1997	9/2/1997
PAD00C00294	103286-01	103286	4	211	EMPTY SAMPLE BOTTLES GENERATED FROM LDR 99007	4/19/1999	4/19/1999
PAD03C01177	106364-08	106364	7.4	236	PCB SCRAP/METAL FROM 280 M3 PROJECT. INCLUDES FUNN	5/13/2003	6/14/1990
PAD03C01165	106364-06	106364	7.4	161	PCB SCRAP/METAL FROM 280 M3 PROJECT. INCLUDES FUNN	5/19/2003	2/8/1990
PAD94C03564	CAS-10863	15615	7.4	402	CONDUIT	9/5/1990	9/5/1990
PAD03C01546	106354-14	106364	7.4	370	PCB SCRAP/METAL FROM 280 M3 PROJECT. INCLUDES FUNN	6/10/2003	2/2/1990
PAD03C01551	106355-07	106355	7.4	114	280M3 COLLECTION DRUM FOR PBC PIPE, VALVES, PLASTI	6/17/2003	12/31/1989
PAD03C01272	106366-05	106366	7.4	178	280M3 COLLECTION DRUM FOR PBC PIPE, VALVES, PLASTI	4/29/2003	2/8/1990
PAD03C01547	106354-16	106354	7.4	198	PCB SCRAP/METAL FROM 280 M3 PROJECT. INCLUDES FUNN	6/23/2003	12/31/1989
PAD97C03874	55483-02	55483	7.4	172	CONTAMINATED CABLE (ELEC WIRE)	5/21/1997	5/21/1997
PAD03C01179	106364-06	106364	7.4	201	PCB SCRAP/METAL FROM 280 M3 PROJECT. INCLUDES FUNN	4/23/2003	3/23/1990
PAD03C00896	106364-03	106364	7.4	188	PCB SCRAP/METAL FROM 280 M3 PROJECT. INCLUDES FUNN	3/24/2003	2/13/1990

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: KY 8890008982 | 2. Page 1 of: 4 | 3. Emergency Response Phone: 1-270-441-6211 | 4. Manifest Tracking Number: 001754645 JJK

GENERATOR

5. Generator's Name and Mailing Address:
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address):
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. | U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name: | U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone: | U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB, Asbestos), Am-241, Pu-238, Pu-239, Th-230, U-234, Solid/Oxide,21889 MBq, Fissile Excepted	1	CM	5318	K	
RQ	2. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Am-241, Pu-238, Pu-239, Th-230, U-234, Solid/Oxide,21126 MBq, Fissile Excepted	1	CM	5479	K	
	3.					
	4.					

14. Special Handling Instructions and Additional Information:
Truck: 337 Trailer: 4859 TID: See PCB Attachment — PCB Shut Date: 10/02/89
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 — If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT. See PCB Attachment for Additional Info — Shipment ID: 6302-15-0080

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE | Signature: Carrie Maxie | Month: 08 | Day: 19 | Year: 08

INTL

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. | Port of entry/exit: | Transporter signature (for exports only): | Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Donald Mowdy | Signature: Donald Mowdy | Month: 8 | Day: 19 | Year: 08

Transporter 2 Printed/Typed Name: | Signature: | Month: | Day: | Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number:

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month: | Day: | Year:

RECEIVED SEP 19 2008 BY:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129	H129		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Albert Evans | Signature: Albert Evans | Month: 08 | Day: 22 | Year: 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 4

Manifest Number: 001754845 JJK
Shipment ID Number: 6202-15-0080
Shipment Date: 8/19/2006

Bulk Container Information

URHWI Section	RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	TID Number
Page 1 - 9b.1	107433-05	107433-05	PAD08C05340	Miscellaneous PCB Contaminated Debris including Empty Drums, Metal Debris, Lab Trash, PPE, Paper, and Plastic	1/25/1991	540	16740	7593.10	0028893
Page 1 - 9b.2	107434-01	107434-01	PAD08C05341	Miscellaneous PCB Contaminated Debris including Empty Drums, Metal Debris, Lab Trash, PPE, Paper, and Plastic	10/2/1989	540	17040	7729.17	0028892
		Totals	2			1080	33780	15322.27	

See attached Drum Lists for specific information for each drum loaded into bulk containers.

Drums List Attachment, Page 3 of 4

Manifest Number: 001754646 JJK
Shipment ID Number: 6202-15-0080
Shipment Date: 8/19/2008
Bulk Container ID Number: 107433-05

Barcode	WID	RID	NET VOL	GROSS WT.	WASTE DESCRIPTION	DRUM DATE	PCB START DATE
PAD99C01982	CAS-18032	45009	11.4	137	EMPTY 17E DRUM (CAL-1097)	23-May-95	23-May-95
PAD95C01308	CAS-18031	51302	11.4	133	EMPTY DAMAGED 17E PCB DRUM	05-Jun-95	05-Jun-95
PAD95C02719	55763-12	55763	11.4	126	EMPTY CONTAMINATED DRUM	10-Jul-97	10-Jul-97
PAD95C02720	55763-13	55763	11.4	126	EMPTY CONTAMINATED DRUM	10-Jul-97	10-Jul-97
PAD01C03341	CAS-15726	23904	11.4	294	EMPTY SAMPLE CONTAINERS	05-Nov-02	05-Nov-02
PAD94C20940	101982-18	101982	11.4	132	EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED). ASSOCIATED WITH LDR99008 SLUDGE CONSOLIDATION.	23-Mar-99	23-Mar-99
PAD98C01653	101982-16	101982	11.4	142	EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED). ASSOCIATED WITH LDR99008 SLUDGE CONSOLIDATION.	23-Mar-99	23-Mar-99
PAD01C02683	CAS-15572	27829	11.4	128	EMPTY 17E CAL-281 DAMAGED DRUM	12-Oct-92	12-Oct-92
PAD94C03105	CAS-12934	9759	11.4	136	EMPTY DRUM W/SPLIT IN SIDE	10-Apr-91	10-Apr-91
PAD95C02196	CAS-18034	51301	11.4	130	EMPTY 17E DRUM	31-May-95	31-May-95
PAD95C01499	CAS-18120	52727	11.4	130	EMPTY 55 GALLON DRUMS	27-Sep-95	27-Sep-95
PAD95C02718	55763-08	55763	11.4	126	EMPTY CONTAMINATED DRUM	10-Jul-97	10-Jul-97
PAD95C02721	55763-14	55763	11.4	126	EMPTY CONTAMINATED DRUM	10-Jul-97	10-Jul-97
PAD01C03323	CAS-15714	17628	11.4	201	EMPTY SAMPLE CONTAINERS	18-Oct-02	18-Oct-02
PAD01C03322	CAS-15727	23904	11.4	249	EMPTY SAMPLE CONTAINERS	05-Nov-02	05-Nov-02
PAD98C01654	101982-12	101982	11.4	138	EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED). ASSOCIATED WITH LDR99008 SLUDGE CONSOLIDATION.	23-Mar-99	23-Mar-99
PAD98C01647	101982-14	101982	11.4	138	EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED). ASSOCIATED WITH LDR99008 SLUDGE CONSOLIDATION.	23-Mar-99	23-Mar-99
PAD01C02770	CAS-15924	22358	11.4	166	EMPTY DRUMS	30-Sep-02	30-Sep-02
PAD94C30647	CAS-17322	38919	14.8	360	EMPTY 17E DRUM - CAL-998	14-Jun-94	14-Jun-94
PAD94C37372	CAS-16757	37319	7.4	239	METAL PIECES	15-Jul-93	15-Jul-93
PAD97C03658	55773-03	55773	7.4	48	EMPTY 17E VENDOR DRUM	16-Oct-97	14-Oct-97
PAD94C21966	CAS-16947	31643	7.4	171	ALUMINUM/STEEL/BLADES/RIVETS/BIT	23-Jul-93	23-Jul-93
PAD94C21965	CAS-16948	31642	7.4	250	ALUMINUM/STEEL/IRON/BLADES/RIVET	13-Jul-93	13-Jul-93
PAD94C36241	CAS-16055	34637	7.4	172	PVC PIPE	30-Mar-93	30-Mar-93
PAD94C37305	CAS-16056	34626	7.4	656	WASTE METAL	26-Mar-93	26-Mar-93
PAD94C22229	CAS-18554	34714	7.4	182	EMPTY 5-GAL BUCKETS	07-Sep-93	07-Sep-93
PAD94C22230	CAS-16548	34921	7.4	128	VACCUM/HOSE	21-Oct-93	24-Mar-93
PAD94C36286	CAS-17016	37299	7.4	101	PVC PIPE	03-Feb-94	23-Oct-93
[redacted]							
PAD95C00534	55668-01	55668	7.4	155	GLASS/COLTWASAB	01-Jul-95	26-Jul-95
PAD94C33894	CAS-17800	38143	7.4	195	CONCRETE/METAL	22-Nov-94	29-Nov-94
PAD94C21932	CAS-16946	31644	7.4	275	ALUMINUM/IRON/BLADES/WIRE/BOLTS	28-Jul-93	28-Jul-93
PAD94C21931	CAS-16945	31641	7.4	143	PVC PIPE/FITTINGS	13-Jul-93	13-Jul-93
PAD94C36240	CAS-16087	34632	7.4	80	SCRAP/METAL	01-Apr-93	01-Apr-93
PAD94C37306	CAS-16088	34637	7.4	80	METAL	02-Apr-93	02-Apr-93
PAD94C22228	CAS-16828	27834	7.4	123	EMPTY 5G/17E CANS	28-Oct-93	24-Aug-93
PAD94C22520	CAS-16548	34921	7.4	178	PUMPS/VALVES	21-Oct-93	24-Mar-93
PAD94C22225	CAS-16562	36166	7.4	170	PCB HOSE	10-Sep-93	10-Sep-93
PAD94C37344	CAS-17014	37299	7.4	272	METAL PIECES/RODS/RIVETS/PANS	08-Feb-94	11-Oct-93
PAD94C33609	CAS-17856	38388	7.4	131	EMPTY SAMPLE CONTAINERS	08-Aug-94	08-Aug-94
PAD94C03823	CAS-14662	14362	7.4	131	RAGS/PVC PIPE/FITTINGS/TYVEKS	04-Apr-91	19-Apr-91
PAD94C22232	CAS-16878	32247	7.4	102	EMPTY SAMPLE CONTAINERS	04-May-93	04-May-93
PAD01C02958	CAS-15953	22196	11.4	218	LAB WASTE/PAPER/PLASTIC/GLASS	26-Jan-93	20-Jan-93
PAD01C02581	CAS-15863	22190	11.4	236	PAPER/PLASTIC/GLASS	07-Oct-92	07-Oct-92
PAD01C03290	CAS-15732	15466	11.4	213	PCB	10-Dec-92	22-Oct-92
PAD01C02963	CAS-15958	22200	11.4	344	LAB WASTE/PAPER/PLASTIC/GLASS	26-Feb-93	26-Feb-93
PAD01C02589	CAS-15701	22192	11.4	231	PAPER/PLASTIC/GLASS	13-Nov-92	03-Nov-92
PAD94C27382	CAS-12520	12565	7.4	127	LAB WASTE-PAPER	25-Jan-91	25-Jan-91
PAD94C27380	CAS-12518	12568	7.4	112	LAB WASTE-PAPER	25-Jan-91	25-Jan-91
PAD94C22815	CAS-16693	30615	7.4	158	PAPER/PLASTIC/GLASS/WIPES/GLOVES	12-Nov-93	12-Nov-93
PAD94C28070	CAS-17256	30618	7.4	176	PAPER/PLASTIC/GLASS	28-Feb-94	28-Feb-94
PAD97C00823	47614-01	47614	7.4	169	PPE/PAPER/SAMPLES/GLASS/PLASTIC	14-Jan-97	14-Jan-97
PAD95C10215	52052-01	52052	7.4	196	PPE/PAPER/GLASS	20-May-96	20-May-95
PAD98C01819	CAS-16026	45235	7.4	166	PAPER/PLASTIC/GLASS	19-Apr-95	19-Apr-95
PAD94C27349	CAS-12519	12567	7.4	167	LAB WASTE	25-Jan-91	25-Jan-91
PAD94C22811	CAS-16692	35732	7.4	112	PPE/5G CAN	30-Nov-93	08-Aug-93
PAD94C32153	CAS-17291	30617	7.4	165	PAPER/PLASTIC/GLASS	01-Feb-94	01-Feb-94
PAD98C00238	47645-01	47645	7.4	158	PAPER/PLASTIC/GLASS	13-Feb-98	12-Feb-98
PAD94C28072	CAS-17299	30620	7.4	177	PAPER/PLASTIC/GLASS	23-Mar-94	23-Mar-94
PAD98C01820	CAS-16038	45233	7.4	163	PAPER/PLASTIC/GLASS	23-Mar-95	23-Mar-95

Manifest Number: 001754645 JJK
Shipment ID Number: 6202-15-0080
Shipment Date: 8/19/2008
Bulk Container ID Number: 107434-01

Barcode	WID	RID	NET VOL	GROSS WT	WASTE DESCRIPTION	ORIG DATE	PCB START DATE
PAD98C00253	101546-03	101546	7.4	80	EMPTY NON-REUSABLE PCB 55G 17E DRUMS (EMPTIED DURING TSCAI 98-01 SHIPMENT)	23-Sep-98	23-Sep-98
PAD95C00203	CAS-17926	42589	7.4	358	SCRAPMETAL	09-Jun-95	09-May-93
PAD00C00471	101833-01	101833	7.4	84	PVC PIPE AND FITTINGS.	14-Jun-00	21-Jul-98
PAD94C36882	CAS-16305	34849	7.4	311	ALUMINUM/STEEL/BOLTS/NUTS/WIRE	07-Apr-93	07-Apr-93
PAD94C37390	CAS-16053	34838	7.4	469	WASTE METAL	07-Apr-93	07-Apr-93
PAD94C37391	CAS-16054	34834	7.4	60	METAL	06-Apr-93	06-Apr-93
PAD01C02764	CAS-15471	16547	11.4	135	EMPTY DRUMS	16-Jul-92	16-Jul-92
PAD01C02699	CAS-15472	16547	11.4	132	EMPTY DRUMS	16-Jul-92	16-Jul-92
PAD97C00903	53357-02	53357	11.4	126	EMPTY 17E DRUM, OLD #53218-02	25-Apr-97	23-Apr-97
PAD97C00904	53357-03	53357	11.4	126	EMPTY DAMAGED 17E DRUM, CAL-1408	25-Apr-97	23-Apr-97
PAD98C02733	55763-02	55763	11.4	126	EMPTY CONTAMINATED DRUM	10-Jul-97	10-Jul-97
PAD98C02730	55763-19	55763	11.4	126	EMPTY CONTAMINATED DRUM	10-Jul-97	10-Jul-97
PAD97C00733	55680-01	55680	11.4	124	EMPTY DRUMS	21-Feb-97	21-Feb-97
PAD97C00732	55680-02	55680	11.4	109	EMPTY DRUMS	21-Feb-97	21-Feb-97
PAD98C02725	55763-22	55763	11.4	126	EMPTY CONTAMINATED DRUM	10-Jul-97	10-Jul-97
PAD98C02722	55763-23	55763	11.4	126	EMPTY CONTAMINATED DRUM	10-Jul-97	10-Jul-97
PAD94C36245	CAS-16053	32948	7.4	257	METAL	17-Mar-93	17-Mar-93
PAD94C36849	CAS-16059	32942	7.4	584	METAL	17-Mar-93	17-Mar-93
PAD94C22111	CAS-16501	32228	7.4	112	EMPTY SAMPLE CONTAINERS	01-Apr-93	01-Apr-93
PAD94C02464	CAS-12708	9788	7.4	90	5 GAL OIL BUCKETS	04-Mar-91	04-Mar-91
PAD94C24702	CAS-15104	22478	7.4	380	TRAY CABLE	03-Oct-89	02-Oct-89
PAD94C36847	CAS-16053	34629	7.4	50	WASTE METAL	30-Mar-93	30-Mar-93
PAD94C22823	CAS-16027	32348	7.4	107	EMPTY SAMPLE CONTAINERS	30-Sep-93	04-May-93
PAD94C36276	CAS-16217	37382	7.4	221	PVC PIPE	06-May-93	06-May-93
PAD94C21976	CAS-15184	29181	7.4	314	UNISTRUT/ANGLE IRON/BLADES/NUTS	16-Mar-93	16-Mar-93
PAD94C21868	CAS-16037	31833	7.4	134	STEEL/ALUMINUM/RIVETS	28-May-93	28-May-93
PAD94C36271	CAS-16206	34641	7.4	441	IRON/STEEL/BLADES/CLAMPS/RODS	06-Apr-93	06-Apr-93
PAD94C36270	CAS-16210	34646	7.4	567	ANGLE IRON/RODS/CLAMPS	06-Apr-93	06-Apr-93
PAD01C02589	CAS-15473	16547	11.4	132	EMPTY DRUMS	16-Jul-92	16-Jul-92
PAD97C00905	53357-05	53357	11.4	119	EMPTY DAMAGED 17E DRUM, CAL-1563	25-Apr-97	23-Apr-97
PAD97C00906	53357-04	53357	11.4	129	EMPTY DAMAGED 17E DRUM, CAL-1311	25-Apr-97	23-Apr-97
PAD98C02732	55763-01	55763	11.4	126	EMPTY CONTAMINATED DRUM	10-Jul-97	10-Jul-97
PAD98C02731	55763-20	55763	11.4	126	EMPTY CONTAMINATED DRUM	10-Jul-97	10-Jul-97
PAD97C00731	55680-03	55680	11.4	135	EMPTY DRUMS	21-Feb-97	21-Feb-97
PAD98C02710	55763-06	55763	11.4	126	EMPTY CONTAMINATED DRUM	10-Jul-97	10-Jul-97
PAD98C02724	55763-21	55763	11.4	126	EMPTY CONTAMINATED DRUM	10-Jul-97	10-Jul-97
PAD98C02723	55763-24	55763	11.4	126	EMPTY CONTAMINATED DRUM	10-Jul-97	10-Jul-97
PAD94C36264	CAS-16058	32949	7.4	428	WASTE METALS	17-Mar-93	17-Mar-93
PAD94C02634	CAS-12488	10061	7.4	298	METAL FROM VENTILATION DUCT	17-Jan-91	17-Jan-91
PAD94C37367	CAS-16762	34483	7.4	111	PVC PIPE	21-Jul-93	09-Sep-93
PAD94C36242	CAS-16058	32950	7.4	187	PVC PIPE	24-Mar-93	24-Mar-93
PAD94C36243	CAS-16057	34628	7.4	60	WASTE METAL	24-Mar-93	24-Mar-93
PAD94C00338	CAS-12639	13427	7.4	119	LAB WASTE - GLASS/PLASTIC/PAPER	05-Mar-91	05-Mar-91
PAD98C00112	CAS-17883	45232	7.4	184	PAPER/PLASTIC/GLASS	21-Feb-98	21-Feb-98
PAD97C01613	47633-01	47633	7.4	179	PAPER/PLASTIC/GLASS/ETC.	16-Sep-97	16-Sep-97
PAD98C01674	47707-01	47707	7.4	127	PAPER/PLASTIC/GLASS/ETC	11-Aug-98	11-Aug-98
PAD01C03398	CAS-16414	22177	11.4	225	LAB WASTE - PAPER/PLASTIC/GLASS	19-Mar-92	19-Mar-92
PAD01C03381	CAS-15843	22195	11.4	238	LAB WASTE	18-Dec-92	18-Dec-92
PAD94C22073	CAS-15226	23827	7.4	184	PAPER/PLASTIC/GLASS	01-Apr-93	01-Apr-93
PAD94C22817	CAS-16684	30611	7.4	153	PAPER/PLASTIC/GLASS	27-Sep-93	29-Sep-93
PAD98C01673	47706-01	47705	7.4	117	PAPER/PLASTIC/GLASS	14-Jul-98	14-Jul-98
PAD94C34041	CAS-17426	30623	7.4	162	PAPER/PLASTIC/GLASS	19-Jul-94	15-Jun-94
PAD94C34098	CAS-17447	30624	7.4	176	PAPER/PLASTIC	19-Jul-94	19-Jul-94
PAD94C30709	CAS-17425	30621	7.4	177	PAPER/PLASTIC/GLASS	14-Jun-94	11-May-94
PAD99C00344	47909-01	47609	11.4	237	PAPER/PLASTIC/GLASS	13-Sep-99	13-Sep-99
PAD01C03393	CAS-15416	22180	11.4	229	LAB WASTE - PAPER/PLASTIC/GLASS	30-Apr-92	30-Apr-92
PAD01C03288	CAS-15068	22178	11.4	229	PAPER/PLASTIC/GLASS	02-Mar-92	02-Mar-92
PAD94C22182	CAS-16314	35810	7.4	134	PPE/GUMWIPES/FILTERS/CUPS/TIPS	14-Apr-93	14-Apr-93
PAD94C22333	CAS-16485	30614	7.4	169	PAPER/PLASTIC/GLASS	20-Oct-93	20-Oct-93
PAD95C00101	CAS-17651	33812	7.4	114	PPE/PAPER/METAL	15-Mar-95	21-Sep-94

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	4	1-270-441-5211	001754646 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc.
U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB, Asbestos), Am-241, Pu-238, Pu-239, Th-230, U-234, Solid/Oxide,19973 MBq, Fissile Excepted	1	CM	4772	K	
RQ	2. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB), Am-241, Pu-238, Pu-239, Th-230, U-234, Solid/Oxide,22004 MBq, Fissile Excepted	1	CM	4454	K	
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 345 Trailer: 4855 TID: See PCB Attachment
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 09/29/89
If undeliverable, return to generator
Shipment ID: 8202-15-0091

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE
Signature: Carrie Maxie
Month Day Year: 08 19 08

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: David Futrell
Signature:
Month Day Year: 08 19 08

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

RECEIVED
SEP 19 2008

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. GARDNER
Signature:
Month Day Year: 09 22 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 4

Manifest Number: 001754848 JJK
Shipment ID Number: 6202-15-0081
Shipment Date: 8/19/2008

Bulk Container Information

UHWM Section	RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	TID Number
Page 1 - 9b.1	107433	107433-06	PAD08C05342	Miscellaneous PCB Contaminated Debris including Empty Drums, Metal Debris, Lab Trash, PPE, Paper, and Plastic	6/29/1988	540	15460	7012.50	0028860
Page 1 - 9b.2	107434	107434-02	PAD08C05343	Miscellaneous PCB Contaminated Debris including Empty Drums, Metal Debris, Lab Trash, PPE, Paper, and Plastic	3/27/1989	540	14760	6694.99	0028868
		Totals	2			1080	30220	13707.49	

See attached Drum Lists for specific information for each drum loaded into bulk containers.

Drum List Attachment, Page 3 of 4

Manifest Number: 001754646 JJK

Shipment ID Number: 6202-15-0081

Shipment Date: 8/19/2008

Bulk Container ID Number: 107433-06

Barcode	WID	RFD	NET VOL	GROSS WT	WASTE DESCRIPTION	ORIG DATE	PCB START DATE	Disposal Info
PAD94C24884	CAS-09532	9843	7.4	119	PCB CONT.RAGS/PVC PIPE	04-Nov-89	04-Nov-89	107433-06
PAD94C00228	CAS-09873	9288	7.4	263	METAL PARTS PER SAMPLING	31-Dec-89	31-Dec-89	107433-06
PAD94C21478	CAS-11028	10298	7.4	88	EMPTY 5 GAL DRUMS	04-Jul-90	04-Jul-90	107433-06
PAD94C21477	CAS-11027	10298	7.4	102	EMPTY 5 GAL DRUMS	04-Jul-90	04-Jul-90	107433-06
PAD94C24972	CAS-14988	10757	7.4	94	SHEET METAL USED UNDER EXH DUCT	09-Apr-90	09-Apr-90	107433-06
PAD01C03313	CAS-15802	17623	11.4	215	EMPTY SAMPLE CONTAINERS	14-Oct-92	14-Oct-92	107433-06
PAD01C03314	CAS-15812	17623	11.4	206	EMPTY SAMPLE CONTAINERS	14-Oct-92	14-Oct-92	107433-06
PAD01C03316	CAS-15716	17625	11.4	189	EMPTY SAMPLE CONTAINERS	16-Oct-92	17-Oct-92	107433-06
PAD94C00291	CAS-15585	18194	7.4	126	OIL PUMP/PIPE/FITTS/TYVEKS/RAGS	06-Oct-92	16-Jan-92	107433-06
PAD94C24704	CAS-15165	22478	7.4	356	TRAY CABLE	03-Oct-89	02-Oct-89	107433-06
PAD94C24888	CAS-15182	22478	7.4	317	TRAY CABLE	03-Oct-89	02-Oct-89	107433-06
PAD94C24456	CAS-15183	22478	7.4	266	TRAY CABLE	03-Oct-89	02-Oct-89	107433-06
PAD94C24455	CAS-15185	22478	7.4	259	TRAY CABLE	03-Oct-89	02-Oct-89	107433-06
PAD94C03441	CAS-14489	22978	7.4	281	PIPE, METAL ANGLES	16-Aug-91	16-Jul-91	107433-06
PAD01C03648	CAS-15506	27050	11.4	210	TOOLS/EMPTY BUCKETS	31-Jul-92	31-Jul-92	107433-06
PAD94C32337	CAS-16231	29748	7.4	236	PCB METALS/CONDUIT/UNISTRUT/WIRE	11-Feb-93	05-Mar-93	107433-06
PAD94C32338	CAS-16232	29748	7.4	264	PCB METALS/CONDUIT/UNISTRUT/WIRE	11-Feb-93	05-Mar-93	107433-06
PAD94C32339	CAS-16262	29748	7.4	159	PVC PIPE/FITTINGS	22-Mar-93	22-Mar-93	107433-06
PAD94C32033	CAS-16944	31849	7.4	165	PVC PIPE/FITTINGS	25-Jun-93	25-Jun-93	107433-06
PAD95C01741	CAS-16702	32921	7.4	169	PVC PIPE/PIECES	28-May-93	28-May-93	107433-06
PAD95C01740	CAS-16714	32923	7.4	179	PVC PIPE/PIECES	03-Jun-93	03-Jun-93	107433-06
PAD95C01758	CAS-16703	32924	7.4	283	METAL PIECES/CONDUIT/WIRE	01-Jun-93	01-Jun-93	107433-06
PAD94C03070	CAS-16599	34720	11.4	135	EMPTY DAMAGED 17E DRUM	12-Oct-93	12-Oct-93	107433-06
PAD94C03068	CAS-16603	34721	11.4	137	EMPTY DAMAGED 17E DRUM	22-Oct-93	22-Oct-93	107433-06
PAD94C03093	CAS-16643	34726	11.4	130	EMPTY 55G/17E DRUMS IN OVERPACK	04-Nov-93	04-Nov-93	107433-06
PAD95C01787	CAS-16718	37278	7.4	85	PVC PIPE/PIECES	03-Aug-93	03-Aug-93	107433-06
PAD94C03091	CAS-17112	39263	11.4	157	SCRAP/METAL EMPTY 17E	16-Mar-94	16-Mar-94	107433-06
[redacted]								
PAD95C00044	44942-01	44942	7.4	219	GLASS/ROCKS/CONCRETE	12-Apr-95	21-May-95	107433-06
PAD94C06258	45860-01	45860	11.4	694	EMPTY DRUMS (5 GALLONS)	17-Dec-94		107433-06
PAD95C03429	51324-01	51324	11.4	140	EMPTY DAMAGED 17E	30-Sep-95	30-Sep-95	107433-06
PAD95C02658	51913-02	51913	7.4	102	METAL PIECES	17-Sep-96	17-Sep-96	107433-06
PAD94C23218	54010-12	54010	11.4	135	EMPTY 17E DRUM #5569	21-Jun-96	19-Jun-96	107433-06
PAD94C20138	54010-16	54010	11.4	91	EMPTY 17E DRUM #6001	21-Jun-96	18-Jun-96	107433-06
PAD97C03870	55489-01	55489	7.4	82	DAMAGED EMPTY LIQUID DRUM	04-Nov-97	04-Nov-97	107433-06
PAD97C03887	55491-01	55491	7.4	180	LIGHT FIXTURE	30-Dec-97	30-Dec-97	107433-06
PAD95C02716	55763-03	55763	11.4	126	EMPTY CONTAMINATED DRUM	10-Jul-97	10-Jul-97	107433-06
PAD95C02715	55763-09	55763	11.4	126	EMPTY CONTAMINATED DRUM	10-Jul-97	10-Jul-97	107433-06
PAD95C02717	55763-10	55763	11.4	129	EMPTY CONTAMINATED DRUM	10-Jul-97	10-Jul-97	107433-06
PAD95C02718	55763-11	55763	11.4	128	EMPTY CONTAMINATED DRUM	10-Jul-97	10-Jul-97	107433-06
PAD97C01686	55778-01	55778	11.4	121	EMPTY OVERPACKED DRUM HC-1696	29-Oct-97	24-Oct-97	107433-06
PAD94C24874	CAS-06388	92035	7.4	84	METAL	15-Sep-88	15-Sep-88	107433-06
PAD95C08232	101523-01	101523	7.4	80	EMPTY DRUM 17C- OLD DRUM #CAS-8278 PCB WASTE REMOVED AND CONSOLIDATED INTO OTHER DRUMS DURING TCLP EVENT AW-19	22-Apr-98	29-Jun-98	107433-06
PAD04C04986	107080-01	107080	11.4	136	EMPTY PCB DRUM, > 500 PPM. PREVIOUSLY 5469A/CAL-0782A, RFD 1082N.	16-Jun-04	16-Jun-04	107433-06
PAD07C04066	123108-01	123108	11.4	128	55 GALLON OVERPACK WITH EMPTY 55 GALLON DRUM INSIDE (OLD 3344A).	12-Jul-99	12-Jul-99	107433-06
PAD94C26196	12159-01	12159	7.4	112	PAPER/PLASTIC/WOOD/GLASS	02-May-00	30-Jun-00	107433-06
PAD94C26264	12184-01	12184	7.4	100	PAPER/CLEAR PLASTIC/YELLOW PLASTIC/BLACK PLASTIC/TYVEK/LEATHER GLOVES/PADS/RAGS/BOTTLES	10-Aug-00	12-Aug-00	107433-06
PAD94C21457	CAS-10436	12553	7.4	100	LAB WASTE	29-Aug-90	29-Aug-90	107433-06
PAD94C21464	CAS-10438	12555	7.4	127	LAB WASTE	29-Aug-90	29-Aug-90	107433-06
PAD01C03388	CAS-15427	22181	11.4	254	LAB WASTE - PAPER/PLASTIC/GLASS	21-May-92	21-May-92	107433-06
PAD01C03389	CAS-15837	22185	11.4	234	PPE/PAPER/PLASTIC/GLASS	09-Jul-92	09-Jul-92	107433-06
PAD01C03387	CAS-15560	22186	11.4	262	PAPER/PLASTIC/GLASS	05-Aug-92	05-Aug-92	107433-06
PAD01C03312	CAS-15579	22187	11.4	234	PAPER/PLASTIC/GLASS	01-Sep-92	01-Sep-92	107433-06
PAD01C02960	CAS-15678	22188	11.4	244	PAPER/PLASTIC/GLASS	17-Sep-92	17-Sep-92	107433-06
PAD97C00943	44292-01	44292	0.67	20	PPE/RAGS/RUBBER GLOVES/ANTI-C	11-Apr-97	03-Apr-97	107433-06
PAD98C00333	46542-01	46542	0.67	14	PAPER/PLASTIC	26-Oct-98	26-Jan-93	107433-06
PAD98C00265	47648-01	47648	7.4	131	PAPER/PLASTIC/GLOVES	08-Apr-98	08-Apr-98	107433-06
PAD98C00209	47709-01	47709	7.4	128	PAPER/PLASTIC/ETC	04-Sep-98	04-Sep-98	107433-06
PAD98C00211	101561-01	101561	7.4	99	PAPER/PLASTIC/ETC	15-Dec-98	15-Dec-98	107433-06
PAD98C01222	101701-01	101701	0.67	11	MISC. PAPER/PLASTIC	26-Jan-99	21-Dec-98	107433-06
PAD98C00213	102378-01	102378	7.4	122	PAPER/PLASTIC/ETC; GLASS AND METAL	04-Sep-98	04-Sep-98	107433-06
PAD98C00210	102691-01	102691	7.4	91	PAPER/PLASTIC/ETC	23-Oct-98	23-Oct-98	107433-06
PAD98C00212	102692-01	102692	7.4	96	PAPER/PLASTIC/ETC	22-Sep-98	22-Sep-98	107433-06

Manifest Number: 001754846 JJK

Shipment ID Number: 6202-15-0061

Shipment Date: 8/19/2008

Bulk Container ID Number: 107434-02

Barcode	WID	RFD	NET VOL	GROSS WT	WASTE DESCRIPTION	ORIG DATE	PCB START DATE	Disposal WID
PAD94C03022	CAS-14421	6682	7.4	191	METAL ROOF DECKING	27-Mar-89	27-Mar-89	107434-02
PAD94C02458	CAS-14422	6682	7.4	202	METAL ROOF DECKING	27-Mar-89	27-Mar-89	107434-02
PAD94C02956	CAS-14423	6682	7.4	181	METAL ROOF DECKING	27-Mar-89	27-Mar-89	107434-02
PAD94C03021	CAS-14425	6682	7.4	186	METAL ROOF DECKING	27-Mar-89	27-Mar-89	107434-02
PAD94C03295	CAS-12709	9796	7.4	90	5 GAL OIL BUCKETS	04-Mar-91	04-Mar-91	107434-02
PAD94C24844	CAS-15246	10977	7.4	98	PLASTIC	26-Sep-89	26-Sep-89	107434-02
PAD01C03160	CAS-15886	22139	11.4	138	EMPTY 17E DRUM - CAL-1181	17-Sep-92	16-Sep-92	107434-02
PAD94C24314	CAS-15176	22476	7.4	285	TRAY CABLE	03-Oct-89	02-Oct-89	107434-02
PAD94C24460	CAS-15184	22476	7.4	372	TRAY CABLE	03-Oct-89	02-Oct-89	107434-02
PAD94C24449	CAS-15186	22476	7.4	315	TRAY CABLE	03-Oct-89	02-Oct-89	107434-02
PAD94C24317	CAS-15187	22476	7.4	296	TRAY CABLE	03-Oct-89	02-Oct-89	107434-02
PAD94C22024	CAS-18831	31745	7.4	207	PVC PIPE/FITTINGS	16-Nov-93	16-Nov-93	107434-02
PAD95C01751	CAS-18701	32919	7.4	123	PVC PIPE/PIECES	20-May-93	20-May-93	107434-02
PAD94C36849	CAS-18054	34630	7.4	68	METAL	17-Mar-93	17-Mar-93	107434-02
PAD94C32278	CAS-18285	35484	7.4	156	PVC PIPE/FITTINGS	19-Apr-93	19-Apr-93	107434-02
PAD94C32304	CAS-18282	35485	7.4	186	ALUMINUM/STEEL/BLADES/BOLTS/BITS	16-Apr-93	16-Apr-93	107434-02
PAD94C32290	CAS-18283	35488	7.4	172	PVC PIPE/FITTINGS	29-Apr-93	22-Apr-93	107434-02
PAD94C32305	CAS-18284	35487	7.4	205	BLADES/BOLTS/RIVETS/NUTS	29-Apr-93	27-Apr-93	107434-02
PAD94C32302	CAS-18293	35495	7.4	165	PVC PIPE/FITTINGS	11-May-93	11-May-93	107434-02
PAD95C10152	46320-01	46320	7.4	75	EMPTY SAMPLE BOTTLES	20-Oct-95	20-Oct-95	107434-02
PAD94C20932	CAS-18069	51315	11.4	112	EMPTY DRUM	11-Aug-95	10-Aug-95	107434-02
PAD95C03431	51324-02	51324	11.4	140	EMPTY DAMAGED 17E	30-Sep-95	30-Sep-95	107434-02
PAD95C03432	51324-03	51324	11.4	140	EMPTY DAMAGED 17E	30-Sep-95	30-Sep-95	107434-02
PAD95C03434	51324-04	51324	11.4	140	EMPTY DAMAGED 17E	30-Sep-95	30-Sep-95	107434-02
PAD95C03433	51324-05	51324	11.4	140	EMPTY DAMAGED 17E	30-Sep-95	30-Sep-95	107434-02
PAD94C34957	52761-05	52761	11.4	125	EMPTY DRUMS (DAMAGED)	08-Aug-96	08-Aug-96	107434-02
PAD94C24034	54010-01	54010	11.4	105	EMPTY 17E DRUM #4736	21-Jun-96	19-Jun-96	107434-02
PAD94C23547	54010-02	54010	11.4	99	EMPTY 17E DRUM #877	21-Jun-96	19-Jun-96	107434-02
PAD94C23570	54010-11	54010	11.4	107	EMPTY 17E DRUM #953	21-Jun-96	19-Jun-96	107434-02
PAD97C00760	55786-02	55786	11.4	127	EMPTY 1A1/X DRUMS	12-Dec-97	12-Dec-97	107434-02
PAD98C03814	101024-01	101024	11.4	138	EMPTY DAMAGED DRUMS	07-Dec-98	08-Dec-98	107434-02
PAD98C10496	101024-02	101024	11.4	134	EMPTY DAMAGED DRUMS	07-Dec-98	08-Dec-98	107434-02
PAD98C03813	101024-03	101024	11.4	135	EMPTY DAMAGED DRUMS	07-Dec-98	08-Dec-98	107434-02
PAD98C10493	101024-04	101024	11.4	138	EMPTY DAMAGED DRUMS	07-Dec-98	08-Dec-98	107434-02
PAD98C00733	101255-01	101255	7.4	107	MISC. EMPTY 5G BUCKETS (CRUSHED)	02-Jun-99	02-Jun-99	107434-02
PAD98C01568	101548-01	101548	7.4	60	EMPTY NON-REUSABLE PCB 55G 17E DRUMS (EMPTIED DURING TSCAI 98-01 SHIPMENT)	23-Sep-99	23-Sep-99	107434-02
PAD94C01351	101982-02	101982	11.4	133	EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED). ASSOCIATED WITH LDR99006 SLUDGE CONSOLIDATION.	18-Mar-99	18-Mar-99	107434-02
PAD95C03371	101982-03	101982	11.4	127	EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED). ASSOCIATED WITH LDR99006 SLUDGE CONSOLIDATION	18-Mar-99	18-Mar-99	107434-02
PAD94C01349	101982-04	101982	11.4	139	EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED) ASSOCIATED WITH LDR99006 SLUDGE CONSOLIDATION.	18-Mar-99	18-Mar-99	107434-02
PAD95C01580	101982-05	101982	11.4	129	EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED). ASSOCIATED WITH LDR99006 SLUDGE CONSOLIDATION.	18-Mar-99	18-Mar-99	107434-02
PAD99C00296	103286-05	103286	7.4	103	EMPTY SAMPLE BOTTLES GENERATED FROM LDR 99007	19-Apr-99	19-Apr-99	107434-02
PAD01C02730	103894-01	103894	11.4	125	EMPTY 1A1/X (CLOSED TOP LIQUID DRUM). OLD RFD 101565. DRUM HAD CONTAINED PCB/RAD VENTILATION DUCT OIL. DTS 06/14/01. NON-GASKET SPILL PCB 698.	14-Jun-01	14-Jun-01	107434-02
PAD94C02422	CAS-10886	8369	7.4	145	LAB WASTE-GLASS	21-Nov-90	21-Nov-90	107434-02
PAD01C02970	CAS-15416	22179	11.4	239	LAB WASTE - PAPER/PLASTIC/GLASS	07-Apr-92	07-Apr-92	107434-02
PAD01C03269	CAS-15469	22184	11.4	228	PAPER/GLASS/PLASTIC	12-Jun-92	12-Jun-92	107434-02
PAD01C02971	CAS-15842	22193	11.4	238	LAB WASTE	25-Nov-92	25-Nov-92	107434-02
PAD01C02962	CAS-15884	22198	11.4	244	LAB WASTE/PAPER/PLASTIC/GLASS	08-Feb-93	08-Feb-93	107434-02
PAD94C22163	CAS-16226	30601	7.4	163	PAPER/PLASTIC/GLASS	22-Apr-93	22-Apr-93	107434-02
PAD94C22151	CAS-16467	30603	7.4	161	PAPER/PLASTIC/GLASS	28-May-93	28-May-93	107434-02
PAD95C01345	CAS-18086	45238	7.4	126	PAPER/PLASTIC/GLASS	16-Jun-95	16-Jun-95	107434-02
PAD95C01346	CAS-18087	45241	7.4	191	PAPER/PLASTIC/GLASS	27-Jun-95	27-Jun-95	107434-02
PAD95C00289	45248-01	45248	7.4	180	PAPER/PLASTIC/DIRT/GLASS/RUBBER	10-Oct-95	10-Oct-95	107434-02
PAD95C02645	45248-01	45248	7.4	177	PAPER/PLASTIC/GLASS	20-Nov-95	20-Nov-95	107434-02
PAD95C10204	45249-01	45249	7.4	182	PAPER/PLASTIC/PADS	05-Jan-96	05-Jan-96	107434-02
PAD95C10683	47606-01	47606	7.4	188	PAPER/PLASTIC/GLASS	12-Apr-96	12-Apr-96	107434-02
PAD96C01488	47606-01	47606	7.4	193	PAPER/PLASTIC/GLASS/RUBBER	14-Aug-96	14-Aug-96	107434-02
PAD97C00924	47622-01	47622	7.4	189	PPE/PAPER/PLASTIC/GLASS	19-Mar-97	19-Mar-97	107434-02
PAD97C01832	47636-01	47636	7.4	122	PPE/PAPER/GLASS	25-Nov-97	25-Nov-97	107434-02
PAD98C01560	47649-01	47649	7.4	144	PAPER/PLASTIC/GLASS	30-Apr-98	30-Apr-98	107434-02
PAD98C01563	47702-01	47702	7.4	134	PAPER/PLASTIC/GLASS	29-May-98	29-May-98	107434-02

ENERGYSOLUTIONS

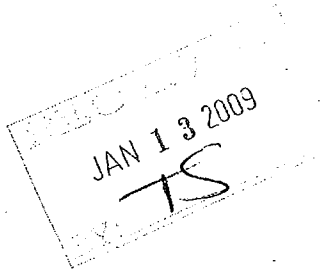
CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT982598898

DOE, PGDP/Paducah,

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (Cu/Ft)	Process	Disposal Location
6202-15-0073	54630	07/25/2008	384.0	Landfill	Mixed Waste



The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2616) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

7/28/08
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

A.J. Mether TRK 331 TRL 42035

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number: KY 8890008982
2. Page 1 of	2
3. Emergency Response Phone	1-270-441-5211
4. Manifest Tracking Number	001754630 JJK

5. Generator's Name and Mailing Address:
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address):
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ (PCB, Asbestos), Am-241, Tc-99, U-234, U-235, U-238, Solid/Oxide, 494 MBq, Fissile Excepted	4	CM	7532	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information: Truck # 331 Trailer # 42035
For Emergency Response - Contact PGDP PSS at 1-270-441-5211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 4/29/1998
If undeliverable, return to generator
Shipment ID: 6202-15-0073

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David R. DeLaCruz on behalf of US DOE — Signature: [signature] — Month Day Year: 07 07 08

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Paul Moore — Signature: [signature] — Month Day Year: 7 7 08
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year:

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee — Signature: [signature] — Month Day Year: 7 10 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

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BY: TS

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001764630JJK
Shipment ID Number: 6202-15-0073
Shipment Date: 7/7/2008

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq	TIDs
34690	CAS-16511	PAD94C17927	FREQUENCY RESPONSE CONTROL	04/12/94	90	3620	1642.00	83.927	0024468, 0019390
42871	CAS-17560	PAD96C02052	ASBESTOS TRANSITE	05/03/93	90	5230	2372.28	131.843	0023525, 0023573
44856	CAS-17916	PAD95C00379	TRANSITE ASBESTOS	04/29/93	90	6770	2817.21	147.914	0023524, 0023679
42894	CAS-17931	PAD95C00165	TRANSITE ASBESTOS	06/03/93	90	5186	2352.32	130.533	0023570, 0023587
	Totals	**4**			**360**	**19986**	**9063.894**	**494.21713**	

ENERGYSOLUTIONS

3 mi. S. Ext. 49, I-80
Clive, Utah 84029 EPA
ID: UT982598898

CERTIFICATE OF DISPOSAL

Rev. 0

This Certificate acknowledges that the following manifested shipments:

Shipment	Manifest	Date(s) of Disposal	Cu/Ft	Process	Disposal Location
9306-17-0001	54631	08/19/08, 09/16/08, 12/02/08	659.76	Landfill	Mixed Waste Cell

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B

Representing 659.76 Cubic feet of waste of at listed Disposal Facility landfill. Disposal is subject to Energy*Solutions* Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement. This does not include the treatment byproduct secondary waste (condensate). Treatment byproduct secondary waste is awaiting incineration from a third party incinerator.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse C. Garcia
Director of Mixed Waste Operations

1/12/09
Date

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: KY 8890008982
2. Page 1 of: 11
3. Emergency Response Phone: 1-270-441-6211
4. Manifest Tracking Number: 001754631 JJK

GENERATOR

5. Generator's Name and Mailing Address: U.S. DOE c/o Paducah Remediation Services, 761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-6000
Generator's Site Address (if different than mailing address): U.S. DOE c/o Paducah Remediation Services, Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd, Kevil, KY 42053

6. Transporter 1 Company Name: Hillman Transport Services
U.S. EPA ID Number: TND987783085

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: EnergySolutions Clive Disposal Site-Treatment Facility, US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, U-Dep, Solid/Oxide, 3.07 MBq, Fissile Excepted	1	DM	181	K	
X	2. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, U-Dep, Solid/Oxide, 0.414 MBq, Fissile Excepted	1	DM	24	K	
X	3. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, U-Dep, Solid/Oxide, 1.35 MBq, Fissile Excepted	1	DM	80	K	
X	4. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Np-237, U-Dep, Solid/Oxide, 1660 MBq	1	DM	175	K	

14. Special Handling Instructions and Additional Information
Truck: 519 Trailer: [illegible] TID: 00212414
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 02/15/89
If undeliverable, return to generator
Shipment ID: 9306-17-0001

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on bhalf of USDOE
Signature: Carrie Maxie
Month: 07 Day: 18 Year: 08

INTL

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Ernest Proctor
Signature:
Month: 07 Day: 18 Year: 08
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

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18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. H129 3. H129 4. H129

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARDNER
Signature:
Month: 07 Day: 9 Year: 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

9306-17 - 0001

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number KY 8890008982	22. Page 2	23. Manifest Tracking Number 001754631JJK

24. Generator's Name: U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053

25. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND057783095

26. Transporter ____ Company Name — U.S. EPA ID Number:

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes
X	Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Np-237, U-Dep, Solid/Oxide, 723 MBq	1	DM	67	K	
RQ	Environmentally hazardous substances, solid, n.o.s., 9, UN3077, PG-III, (PCB)	1	DM	114	K	
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 8.53 MBq, Fissile Excepted	1	DM	86	K	
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 5.32 MBq, Fissile Excepted	1	DM	70	K	
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Th-230, U-234, U-235, U-238, Solid/Oxide, 8.80 MBq, Fissile Excepted	1	DM	99	K	
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Th-230, U-234, U-235, U-238, Solid/Oxide, 9.50 MBq, Fissile Excepted	1	DM	106	K	
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Th-230, U-234, U-235, U-238, Solid/Oxide, 9.01 MBq, Fissile Excepted	1	DM	100	K	
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Th-230, U-234, U-235, U-238, Solid/Oxide, 11.7MBq, Fissile Excepted	1	DM	130	K	
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Th-230, U-234, U-235, U-238, Solid/Oxide, 9.05 MBq, Fissile Excepted	1	DM	101	K	
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Th-230, U-234, U-235, U-238, Solid/Oxide, 8.23 MBq, Fissile Excepted	1	DM	92	K	

GENERATOR

32. Special Handling Instructions and Additional Information
ERG # 162, 171 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT. See PCB Attachment for Additional Info

PCB Shut Date: 02/15/89
If undeliverable, return to generator
Shipment ID: 9306-17-0001

TRANSPORTER

33. Transporter ____ Acknowledgment of Receipt of Materials
Printed/Typed Name: Ernest Procter — Signature — Month 07 Day 18 Year 08

34. Transporter ____ Acknowledgment of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

H129	H129	H129	H129	H129
H129	H129	H129	H129	H129

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

9306-17 - 0001

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number: KY 8890008982	22. Page: 3	23. Manifest Tracking Number: 001754631JJK

24. Generator's Name: U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053

25. Transporter 1 Company Name: Hillman Transport Services — U.S. EPA ID Number: TND987783085

26. Transporter ____ Company Name — U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes		
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Tc-99, U-234, U-235, U-238, Solid/Oxide, 4.60 MBq, Fissile Excepted	1	DM	69	K			
X	Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Pu-239, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 14.2 MBq, Fissile Excepted	1	DM	55	K			
X	Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Pu-239, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 18.7 MBq, Fissile Excepted	1	DM	73	K			
X	Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 18.4 MBq, Fissile Excepted	1	DM	64	K			
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Tc-99, U-234, U-235, U-238, Solid/Oxide, 5.49 MBq, Fissile Excepted	1	DM	121	K			
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Tc-99, U-234, U-235, U-238, Solid/Oxide, 309 MBq, Fissile Excepted	1	DM	109	K			
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Am-241, Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 0.930 MBq, Fissile Excepted	1	DM	183	K			
RQ	Environmentally hazardous substances, solid, n.o.s., 9, UN3077, PG-III, (PCB)	1	DM	89	K			
RQ	Environmentally hazardous substances, solid, n.o.s., 9, UN3077, PG-III, (PCB)	1	DM	24	K			
RQ	Environmentally hazardous substances, solid, n.o.s., 9, UN3077, PG-III, (PCB)	1	DM	61	K			

GENERATOR

32. Special Handling Instructions and Additional Information

ERG # 162, 171 In the event of an RQ Release, call 1-800-424-9602
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info

PCB Shut Date: 04/29/02
If undeliverable, return to generator
Shipment ID: 9306-17-0001

TRANSPORTER

33. Transporter ____ Acknowledgement of Receipt of Materials
Printed/Typed Name: Ernest Painter — Signature: [signature] — Month: 10 — Day: 13 — Year: 08

34. Transporter ____ Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

H129	H129	H129	H129	H129
H129	H129	H129	H129	H129

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

9306-17 - 0001

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number KY 8890008982	22. Page 4	23. Manifest Tracking Number 001754631JJK

24. Generator's Name: U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053

25. Transporter ___ Company Name: Hillman Transport Services — U.S. EPA ID Number: TND987783085

26. Transporter ___ Company Name — U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 3.50 MBq, Fissile Excepted	1	DM	71	K	
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 7.84 MBq, Fissile Excepted	1	DM	29	K	
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Tc-99, U-234, U-235, U-238, Solid/Oxide, 5.10 MBq, Fissile Excepted	1	DM	64	K	
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Th-230, U-234, U-235, U-238, Solid/Oxide, 2.02 MBq, Fissile Excepted	1	DM	74	K	
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 0.274 MBq, Fissile Excepted	1	DM	24	K	
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Tc-99, U-234, U-235, U-238, Solid/Oxide, 2.25 MBq, Fissile Excepted	1	DM	49	K	
RQ	Environmentally hazardous substances, solid, n.o.s., 9, UN3077, PG-III, (PCB)	1	DM	77	K	
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Tc-99, U-234, U-235, U-238, Solid/Oxide, 3.66 MBq, Fissile Excepted	1	DM	18	K	
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 8.84 MBq, Fissile Excepted	1	DM	44	K	
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 5.88 MBq, Fissile Excepted	1	DM	44	K	

32. Special Handling Instructions and Additional Information

ERG # 162, 171 In the event of an RQ Release, call 1-800-424-9802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info

PCB Start Date: 01/22/93
If undeliverable, return to generator
Shipment ID: 9306-17-0001

GENERATOR

TRANSPORTER

33. Transporter ___ Acknowledgment of Receipt of Materials
Printed/Typed Name: Ernest Proctor — Signature — Month 12 Day 18 Year 08

34. Transporter ___ Acknowledgment of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

H129	H129	H129	H129	H129
H129	H129	H129	H129	H129

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

9306-17 - 0001

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number KY 8890008982	22. Page 5	23. Manifest Tracking Number 001754631JJK

24. Generator's Name: U.S. DOE c/o Paducah Remediation Services
781 Veterans Avenue, Kevil, KY 42053

25. Transporter ___ Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

26. Transporter ___ Company Name — U.S. EPA ID Number:

27a. Haz	27b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Am-241, Np-237, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 1.39 MBq, Fissile Excepted	1	DM	21	K	
RQ	Environmentally hazardous substances, solid, n.o.s., 9, UN3077, PG-III, (PCB)	1	DM	24	K	
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 1.89 MBq, Fissile Excepted	1	DM	42	K	
X	Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 28.4 MBq, Fissile Excepted	1	DM	24	K	
RQ	Environmentally hazardous substances, solid, n.o.s., 9, UN3077, PG-III, (PCB)	1	DM	100	K	
X	Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Am-241, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 0.861 MBq, Fissile Excepted	1	DM	14	K	
X	Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 48.4 MBq, Fissile Excepted	1	DM	27	K	
X	Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Am-241, Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 72.2 MBq, Fissile Excepted	1	DM	44	K	
X	Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Am-241, Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 164 MBq, Fissile Excepted	1	DM	100	K	
X	Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Am-241, Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 34.3 MBq, Fissile Excepted	1	DM	35	K	

GENERATOR

32. Special Handling Instructions and Additional Information
ERG # 162, 171 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 04/03/06
If undeliverable, return to generator
Shipment ID: 9306-17-0001

TRANSPORTER

33. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Ernest Pitcher — Signature: [signature] — Month 10 Day 18 Year 06

34. Transporter ___ Acknowledgment of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

H129	H129	H129	H129	H129
H129	H129	H129	H129	H129

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

9306-17 - 0001

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number KY 8890008982	22. Page 6	23. Manifest Tracking Number 001754631JJK

24. Generator's Name
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053

25. Transporter 1 Company Name: Hillman Transport Services — U.S. EPA ID Number: TND987783085

26. Transporter ____ Company Name — U.S. EPA ID Number:

GENERATOR

27a HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 1.22 MBq, Fissile Excepted	1	DM	1	K	
X	Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Am-241, Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 210 MBq, Fissile Excepted	1	DM	227	K	
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Am-241, Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 128 MBq, Fissile Excepted	1	DM	143	K	
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 13.0 MBq, Fissile Excepted	1	DM	15	K	
X	Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Am-241, Np-237, Pu-239, Tc-99, U-234, U-235, U-238, Solid/Oxide, 7.37 MBq, Fissile Excepted	1	DM	2	K	
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Pu-239, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 1.90 MBq, Fissile Excepted	1	DM	67	K	
RQ	Environmentally hazardous substances, solid, n.o.s., 9, UN3077, PG-III, (PCB)	1	DM	58	K	
X	Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Am-241, Pu-239, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 32.4 MBq, Fissile Excepted	1	DM	22	K	
X	Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Am-241, Pu-239, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 66.8 MBq, Fissile Excepted	1	DM	46	K	
X	Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 99.8 MBq, Fissile Excepted	1	DM	79	K	

32. Special Handling Instructions and Additional Information
ERG # 162, 171 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info

PCB Start Date: 06/02/08
If undeliverable, return to generator
Shipment ID: 9306-17-0001

TRANSPORTER

33. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Forrest Porter — Signature: [signature] — Month 10 Day 18 Year 08

34. Transporter ____ Acknowledgment of Receipt of Materials
Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

H129	H129	H129	H129	H129
H129	H129	H129	H129	H129

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

9306-17 - 0001

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	31. Generator ID Number	32. Page	33. Manifest Tracking Number
	KY 8890008982	7	001754631JJK

24. Generator's Name
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053

25. Transporter 1 Company Name: Hillman Transport Services — U.S. EPA ID Number: TND987783085

26. Transporter ____ Company Name — U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes
X	Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Am-241, Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 11.7 MBq, Fissile Excepted	1	DM	5	K	
X	Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 0.999 MBq, Fissile Excepted	1	DM	11	K	
X	Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Am-241, Pu-239, Th-230, U-Dep, Solid/Oxide, 39.7 MBq, Fissile Excepted	1	DM	12	K	
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Am-241, Np-237, Tc-99, Th-230, U-Dep, Solid/Oxide, 1.50 MBq	1	DM	272	K	
RQ	Environmentally hazardous substances, solid, n.o.s., 9, UN3077, PG-III, (PCB)	1	DM	23	K	
X	Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Am-241, Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 2.24 MBq, Fissile Excepted	1	DM	25	K	
X	Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Am-241, Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 0.466 MBq, Fissile Excepted	1	DM	7	K	
X	Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Tc-99, U-234, U-235, U-238, Solid/Oxide, 11.1 MBq, Fissile Excepted	1	DM	13	K	
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Tc-99, U-234, U-235, U-238, Solid/Oxide, 11.9 MBq, Fissile Excepted	1	DM	82	K	
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Am-241, Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 2.66 MBq, Fissile Excepted	1	DM	60	K	

GENERATOR

32. Special Handling Instructions and Additional Information
ERG # 162, 171 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT. See PCB Attachment for Additional Info
PCB Shut Date: 07/27/00
If undeliverable, return to generator
Shipment ID: 9306-17-0001

TRANSPORTER

33. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Lowell Procter — Signature: Lowell Procter — Month 07 Day 16 Year 08

34. Transporter ____ Acknowledgment of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

H129	H129	H129	H129	H129
H129	H129	H129	H129	H129

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

9306-17 - 0001

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number KY 8890008982	22. Page 8	23. Manifest Tracking Number 001754631JJK

24. Generator's Name: U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053

25. Transporter 1 Company Name: Hillman Transport Services — U.S. EPA ID Number: TND987783085

26. Transporter ____ Company Name — U.S. EPA ID Number:

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes
RQ	Environmentally hazardous substances, solid, n.o.s., 9, UN3077, PG-III, (PCB)	1	DM	15	K	
RQ	Environmentally hazardous substances, solid, n.o.s., 9, UN3077, PG-III, (PCB)	1	DM	9	K	
RQ	Environmentally hazardous substances, solid, n.o.s., 9, UN3077, PG-III, (PCB)	1	DM	19	K	
RQ	Environmentally hazardous substances, solid, n.o.s., 9, UN3077, PG-III, (PCB)	1	DM	107	K	
RQ	Environmentally hazardous substances, solid, n.o.s., 9, UN3077, PG-III, (PCB)	1	DM	231	K	
RQ	Environmentally hazardous substances, solid, n.o.s., 9, UN3077, PG-III, (PCB)	1	DM	71	K	
RQ	Environmentally hazardous substances, solid, n.o.s., 9, UN3077, PG-III, (PCB)	1	DM	41	K	
RQ	Environmentally hazardous substances, solid, n.o.s., 9, UN3077, PG-III, (PCB)	1	DM	36	K	
X	Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Tc-99, Th-230, U-Dep, Solid/Oxide, 0.019 MBq, Fissile Excepted	1	DM	3	K	
RQ	Environmentally hazardous substances, solid, n.o.s., 9, UN3077, PG-III, (PCB)	1	DM	92	K	

32. Special Handling Instructions and Additional Information
ERG # 162, 171 In the event of an RQ Release, call 1-800-424-9802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info

PCB Start Date: 12/06/00
If undeliverable, return to generator
Shipment ID: 9308-17-0001

GENERATOR

TRANSPORTER

33. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Ernest Proctor — Signature: [signature] — Month: 07 — Day: 16 — Year: 08

34. Transporter ____ Acknowledgment of Receipt of Materials
Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

35. Discrepancy Generator declared things on the van #8

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

H129	H129	H129	H129	H129
H129	H129	H129	H129	H129

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

9308-17 - 0001

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number KY 8890008982	22. Page 9	23. Manifest Tracking Number 001754631JJK

24. Generator's Name
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053

25. Transporter 1 Company Name: Hillman Transport Services — U.S. EPA ID Number: TND987783085

26. Transporter ____ Company Name — U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes
X	Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Am-241, Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 129 MBq, Fissile Excepted	1	DM	133	K	
RQ	Environmentally hazardous substances, solid, n.o.s., 9, UN3077, PG-III, (PCB)	1	DM	29	K	

GENERATOR

32. Special Handling Instructions and Additional Information

ERG # 162, 171 In the event of an RQ Release, call 1-800-424-9300
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info

PCB Start Date: 11/12/93
If undeliverable, return to generator
Shipment ID: 9306-17-0001

TRANSPORTER

33. Transporter ____ Acknowledgment of Receipt of Materials
Printed/Typed Name: Forest Proctor — Signature: [signature] — Month: 10 — Day: 18 — Year: 08

34. Transporter ____ Acknowledgment of Receipt of Materials
Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
H141 | H141

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

9306-17 - 0001

PCB and Additional Information Attachment, Page 10 of 11

Manifest Number: 001754631JJK
Shipment ID Number: 9306-17-0001
Shipment Date: 7/18/2008

Waste Section	RPD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Date to Storage	WET VOLUME (KG)	DRIED WT (kg)	Gross Wt Pkg	Activity MBq
Page 1 - Sb.1	6782	CAS-16145	PAD94C03171	COOLANT SLUDGE	7/27/1990	7.4	538	243.12	3.089
Page 1 - Sb.2	6782	CAS-16147	PAD94C03469	COOLANT SLUDGE	7/27/1990	7.4	190	86.18	0.414
Page 1 - Sb.3	6782	CAS-16146	PAD94C03095	COOLANT SLUDGE	7/27/1990	7.4	312	141.52	1.350
Page 1 - Sb.4	8104	CAS-08469	PAD94C03716	VACUUM DUST	2/15/1989	7.4	521	236.32	1680.174
Page 2 - 27b.1	8104	CAS-08480	PAD94C03736	VACUUM DUST	2/15/1989	7.4	284	128.82	722.766
Page 2 - 27b.2	13845	CAS-15580	PAD01C03372	LAB SAMPLES	9/17/1992	7.4	387	175.54	1.536
Page 2 - 27b.3	17605	CAS-15040	PAD94C22210	LAB WASTE/SAMPLES	2/18/1992	7.4	246	111.58	8.827
Page 2 - 27b.4	17605	CAS-15041	PAD94C22044	LAB WASTE/SAMPLES	2/18/1992	7.4	211	95.71	5.325
Page 2 - 27b.5	17605	CAS-15042	PAD01C03380	LAB WASTE/SAMPLES	2/28/1992	7.4	352	159.68	8.804
Page 2 - 27b.6	17605	CAS-15043	PAD01C03379	LAB WASTE/SAMPLES	2/25/1992	7.4	369	167.37	9.497
Page 2 - 27b.7	17605	CAS-15044	PAD01C03378	LAB WASTE/SAMPLES	2/25/1992	7.4	367	166.93	8.008
Page 2 - 27b.8	17605	CAS-15045	PAD01C03381	LAB WASTE/SAMPLES	2/25/1992	7.4	423	191.87	11.686
Page 2 - 27b.9	17605	CAS-15046	PAD01C03373	LAB WASTE/SAMPLES	2/25/1992	7.4	358	162.39	9.049
Page 2 - 27b.10	17605	CAS-15047	PAD01C03371	LAB WASTE/SAMPLES	2/25/1992	7.4	338	153.31	8.234
Page 3 - 27b.1	17609	CAS-15341	PAD01C02998	DRUM SAMPLES	4/29/1992	7.4	332	150.59	4.502
Page 3 - 27b.2	17610	CAS-15438	PAD01C03294	DRUM SAMPLES	4/30/1992	7.4	257	116.57	14.218
Page 3 - 27b.3	17610	CAS-15439	PAD01C03295	DRUM SAMPLES	4/30/1992	7.4	296	134.26	18.859
Page 3 - 27b.4	17610	CAS-15440	PAD01C03293	DRUM SAMPLES	5/6/1992	7.4	277	125.64	16.436
Page 3 - 27b.5	17617	CAS-15682	PAD01C03299	LAB SAMPLES	8/1/1992	7.4	403	182.80	6.489
Page 3 - 27b.6	17644	CAS-15711	PAD01C03298	DISPOSED SOLID SAMPLES	10/22/1992	7.4	377	171.00	308.886
Page 3 - 27b.7	23363	HC-1580	PAD98C03632	ALKALI TANK OIL SLUDGE/PADS	7/18/1998	7.4	456	206.20	0.930
Page 3 - 27b.8	23910	CAS-15313	PAD94C22115	LAB SAMPLES	5/28/1993	7.4	253	114.76	0.585
Page 3 - 27b.9	23912	CAS-15914	PAD01C03388	WASTE SOLID SAMPLES	12/2/1992	7.4	189	85.73	0.184
Page 3 - 27b.10	32242	CAS-17407	PAD94C30658	WASTE SOLID SAMPLES	1/4/1994	7.4	191	86.64	0.083
Page 4 - 27b.1	32258	CAS-16023	PAD94C30659	WASTE SOLID SAMPLES	8/5/1994	7.4	215	98.61	3.600
Page 4 - 27b.2	32281	CAS-16532	PAD94C21463	SAMPLING DEBRIS (PPE/PLASTIC)	5/26/1993	7.4	120	54.43	7.839
Page 4 - 27b.3	32283	CAS-16462	PAD94C22226	WASTE SOLID SAMPLES	6/17/1993	7.4	196	88.90	5.180
Page 4 - 27b.4	32284	CAS-16597	PAD94C22825	WASTE SOLID SAMPLES IN CONTAINER	6/21/1993	7.4	219	99.34	2.022
Page 4 - 27b.5	32288	CAS-16598	PAD94C22824	SAMPLING DEBRIS	7/15/1993	7.4	110	49.89	0.274
Page 4 - 27b.8	32289	CAS-16603	PAD94C22227	WASTE SOLID SAMPLES	7/19/1993	7.4	163	73.94	2.248
Page 4 - 27b.7	32297	CAS-16584	PAD94C22812	WASTE SOLID SAMPLES	9/30/1993	7.4	226	102.61	0.984
Page 4 - 27b.8	32309	CAS-17870	PAD94C30383	SOLID SAMPLES	8/20/1994	7.4	95	43.09	3.681
Page 4 - 27b.9	32327	CAS-15940	PAD01C03389	WASTE SOLID SAMPLES	1/22/1993	7.4	233	105.69	8.845
Page 4 - 27b.10	38355	CAS-17408	PAD94C30667	PCB/RAD SOLID SAMPLES	3/15/1994	7.4	153	69.40	5.847
Page 5 - 27b.1	45984	45984-01	PAD95C01408	SOLID SAMPLES	4/3/1995	7.4	102	46.27	1.392
Page 5 - 27b.2	45984	45984-02	PAD95C00057	SOLID SAMPLES	4/3/1995	7.4	108	48.99	0.132
Page 5 - 27b.3	55403	55403-01	PAD98C00229	VORTEC SAMPLE RESIDUALS	5/15/1997	7.4	148	67.13	1.868
Page 5 - 27b.4	55534	55534-01	PAD95C10836	SOLID SAMPLES-INCINERABLE	12/12/1996	7.4	109	49.44	28.377
Page 5 - 27b.5	61898	61898-01	PAD97C01913	NONINCINERABLE SOLID SAMPLES	9/5/1997	7.4	277	125.64	0.303
Page 5 - 27b.6	62132	62132-01	PAD97C01923	SOLID SAMPLES	12/17/1997	7.4	87	39.46	0.661
Page 5 - 27b.7	62135	62135-01	PAD97C01826	SOLID SAMPLES	2/6/1998	7.4	116	52.62	48.425
Page 5 - 27b.8	62138	62138-01	PAD97C01925	NONINCINERABLE SOLID SAMPLES	2/5/1998	7.4	153	69.40	72.167
Page 5 - 27b.9	62570	62570-01	PAD98C01108	ROCK/SOIL SAMPLES	5/9/1998	7.4	277	125.64	164.421
Page 5 - 27b.10	62595	62596-01	PAD98C03791	SAMPLE RESIDUE	7/30/1998	7.4	134	60.78	34.338

PCB and Additional Information Attachment, Page 11 of 11

Manifest Number: 001754831JJK
Shipment ID Number: 9306-17-0001
Shipment Date: 7/18/2008

UNWS Section	RFD	Container / WASTE ID	Sample Number	DESCRIPTION	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity (mCi)
Page 6 - 27b.1	101679	101679-01	PAD00C00566	PCB SOLID/NON-HAZARDOUS/SAMPLE RESIDUAL	2/26/1999	2.88	33	14.97	1.215
Page 6 - 27b.2	102207	102207-01	PAD98C02628	SLUDGE FROM CLEANING TANK S-37	8/2/1998	7.4	556	252.20	218.813
Page 6 - 27b.3	102207	102207-02	PAD94C04969	SLUDGE FROM CLEANING TANK S-37	8/2/1998	7.4	452	205.02	128.098
Page 6 - 27b.4	102396	102396-01	PAD00C00004	RAD/PCB/CONTAMINATED SOLID LAB WASTE - COMBUSTIBLE	7/30/1998	7.4	88	39.92	12.963
Page 6 - 27b.5	103146	103146-01	PAD00C00288	PCB SAMPLES FROM C-710 LAB.	6/28/2000	7.4	60	27.22	7.388
Page 6 - 27b.6	103147	103147-01	PAD00C00289	PCB SAMPLES FROM C-710 LAB.	6/22/2000	7.4	204	92.53	1.497
Page 6 - 27b.7	103779	103779-01	PAD00C00267	PCB SAMPLES FROM C-710 LAB.	6/26/2000	7.4	184	83.46	0.073
Page 6 - 27b.8	104316	104316-01	PAD01C02023	PCB / LLW LAB SAMPLES	6/8/2000	7.4	104	47.17	32.401
Page 6 - 27b.9	106306	106306-01	PAD03C00497	BOTTLED SAMPLE RESIDUALS FROM AW-55 RAD/PCB PLASTIC, PAPER, PPE, DEBRIS, GLASS	1/17/2003	7.4	155	70.31	69.827
Page 6 - 27b.10	106321	106321-01	PAD04C04333	SAMPLE RESIDUALS RETURNS FOR PROJECTS TSCA 01-02	3/27/2003	7.4	230	104.33	98.800
Page 7 - 27b.1	106773	106773-01	PAD08C00866	SOIL SAMPLE RESIDUALS GENERATED AS PART OF THE SURFACE WATER OPERABLE UNIT SITE INVESTIGATION	3/24/2006	0.67	24	10.89	11.701
Page 7 - 27b.2	107701	107701-01	PAD04C04707	SAMPLE RETURNS FROM AS SAMPLING, LAB PACK.	1/5/2004	0.67	36	16.33	0.609
Page 7 - 27b.3	107733	107733-01	PAD05C08597	SAMPLE RETURNS FROM WOP03 - BOTTLED SAMPLES THAT INCLUDE MATERIALS SUCH AS CONCRETE, PPE, PLASTIC, ZORBALL, PADS, TRASH, SOILS, ETC.	4/8/2005	1.34	42	19.05	39.650
Page 7 - 27b.4	8151	CAS-10151	PAD94C03068	RCW SLUDGE	7/27/1990	7.4	735	333.39	1.495
Page 7 - 27b.5	51322	51322-03	PAD95C01567	LAB PACK LIQUID SAMPLES &	9/21/1986	7.4	107	48.53	0.046
Page 7 - 27b.6	61892	61892-01	PAD97C01904	INCINERABLE SAMPLES	6/5/1987	7.4	112	50.80	2.239
Page 7 - 27b.7	103231	103231-01	PAD00C00466	RAD/PCB CONTAMINATED SOLID LAB WASTE, PLASTIC/PAPER, SAMPLE RESIDUALS	2/17/2000	7.4	72	32.66	0.466
Page 7 - 27b.8	17845	8005	PAD01C02690	DISPOSED SAMPLES INCLUDES PLASTIC BOTTLES, DEBRIS, PIGS, PADS FROM 8005	10/23/1992	7.4	164	74.39	11.115
Page 7 - 27b.9	56697	56697-01	PAD96C00438	SOLID SAMPLES	9/29/1986	7.4	192	87.09	11.868
Page 7 - 27b.10	61893	61893-01	PAD97C01889	SOLID SAMPLES/GLASS	6/10/1987	7.4	233	105.69	2.651
Page 8 - 27b.1	15204	CAS-11287	PAD94C03786	PPE/RAGS/METAL SLUDGE	12/5/1990	7.4	89	40.37	0.075
Page 8 - 27b.2	15204	CAS-11288	PAD94C03776	BUCKETS WITH METAL SLUDGE	12/5/1990	7.4	75	34.02	0.043
Page 8 - 27b.3	15204	CAS-11289	PAD94C03755	METAL SLUDGE/BUCKETS/VALVES	12/5/1990	7.4	98	44.45	0.098
Page 8 - 27b.4	15204	CAS-11290	PAD94C03775	METAL SLUDGE/RAGS	12/5/1990	7.4	292	132.45	0.538
Page 8 - 27b.5	22256	HC-1635	PAD94C01139	OILY SLUDGE/RAGS	9/8/1993	7.4	645	292.57	0.554
Page 8 - 27b.6	22256	HC-1633	PAD94C01138	OILY SLUDGE/RAGS	9/8/1993	7.4	213	96.61	0.171
Page 8 - 27b.7	22256	HC-1634	PAD94C01138	OILY SLUDGE/RAGS	9/8/1993	7.4	147	66.68	0.099
Page 8 - 27b.8	15487	CAL-0935A	PAD05C06346	PCB/U SLUDGE	3/28/1991	7.4	135	61.23	0.003
Page 8 - 27b.9	15487	CAL-0937A	PAD03C00613	PCB/U SLUDGE	3/28/1991	7.4	142	64.41	0.019
Page 8 - 27b.10	42517	42517-01	PAD98C02479	SLUDGE FROM FLOOR OF FILTER ROOM	11/21/1995	7.4	259	117.48	0.033
Page 9 - 27b.1	40565	CAS-17107	PAD94C02195	CARBON FILTER SYSTEM SLUDGE	11/12/1993	7.4	350	158.76	128.652
Page 9 - 27b.2	46745	46745-01	PAD95C01406	COLI/WASAS/SOLID SAMPLES	2/9/1996	7.4	120	54.43	0.037
	Totals	79				538.16	17596	7949.983	4229.777

ENERGY SOLUTIONS

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT982598898

DOE, PGDP/Paducah,

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (Cu/Ft)	Process	Disposal Location
6202-14-0001	54632	07/17/2008	1,371.6	Landfill	Mixed Waste

The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

7/28/08
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8690008982	2	1-270-441-6211	001754632 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Paducah & Louisville Railway, Inc
U.S. EPA ID Number
KYD000735845

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone:
U.S. EPA ID Number
UTD982598698

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Environmentally hazardous substances, solid, n.o.s., 9, UN3077, PG-III, (PCB)	2	CM	4999	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 171, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 5/10/1991
If undeliverable, return to generator
Shipment ID: 6202-14-0001

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David R DeLaCruz on behalf of USDOE
Signature: David R. DeLaCruz
Month 6 Day 6 Year 08

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Carrie Maxie on behalf of P&L
Signature: Carrie Maxie
Month 06 Day 06 Year 08
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
U.S. EPA ID Number
7-1-08 TJS
RECEIVED JUL 09 2008 KS BY:
18b. Alternate Facility (or Generator)
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. Gardner
Signature
Month 07 Day 01 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754632JJK
Shipment ID Number: 6202-14-0001
Shipment Date: 6/6/2008

RFD	Container / WASTE ID	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq	TID #1	TID #2	TID #3
117034	BFLU000268	Wood Pallets, Plywood, and Cleanup Debris	05/10/91	340.4	15600	7076.00	2.026	0010005	0010011	0010038
117035	BFLU000260	Wood Pallets, Plywood, and Cleanup Debris	05/10/91	325.6	15460	7012.50	2.015	0010001	0010025	0010052
Totals	**2**			**666**	**31060**	**14088.5054**	**4.041087287**			

ENERGYSOLUTIONS

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT982598898

DOE, PGDP/Paducah,

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (Cu/Ft)	Process	Disposal Location
6202-15-0079	54641	08/22/2008	2,720.0	Landfill	Mixed Waste

RECEIVED
APR 07 2009
BY: TB

The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

5/26/09
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2060-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	4	1-270-441-6211	001754641 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Specialty Transport Inc.
U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

8a. HM	9a. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, surface contaminated objects (SCO-II), 7, UN2913, RQ(PCB, Asbestos), Np-237, Tc-99, Th-230, U-234, U-235, U-236, Solid/Oxide, 3194 MBq, Fissile Excepted	1	CM	6804	K	
X	2. Radioactive material, surface contaminated objects (SCO-II), 7, UN2913, RQ(PCB, Asbestos), Np-237, Tc-99, Th-230, U-234, U-235, U-236, Solid/Oxide, 3230 MBq, Fissile Excepted	1	CM	4159	K	
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 937 Trailer: 4995 TID: See PCB Attachment
ERG # 162 In the event of an RQ Release, call 1-800-424-9802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 10/02/89
If undeliverable, return to generator
Shipment ID: 6202-15-0079

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE | Signature: Carrie A Maxie | Month: 08 | Day: 15 | Year: 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Barry B. French | Signature | Month: 8 | Day: 15 | Year: 08

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

RECEIVED
SEP 19 2008
BY:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129	H129		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Albert Evans | Signature | Month: 8 | Day: 18 | Year: 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 4

Manifest Number: 001754641 JJK
Shipment ID Number: 8202-15-0079
Shipment Date: 8/15/2008

Bulk Container Information

UHWM Section	RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	TID Number
Page 1 - 9b.1	107433	107433-03	PAD08C05337	PCB Capacitors, Light Ballasts and Fixtures, and other Miscellaneous PCB Contaminated Debris	10/2/1989	522	19820	8990.15	0028850
Page 1 - 9b.2	107433	107433-04	PAD08C05338	PCB Capacitors, Light Ballasts and Fixtures, and other Miscellaneous PCB Contaminated Debris	12/31/1989	533	14020	6359.33	0028891
		Totals	**2**			**1055**	**33840**	**15349.49**	

See attached Drum Lists for specific information for each drum loaded into bulk containers.

Manifest Number: 001764841 JJK
Shipment ID Number: 6202-15-0079
Shipment Date: 8/15/2008
Bulk Container ID Number: 107433-03

Barcode	WasteID	RFD	Net Vol	Gross Wt	um	Description	Origin Date	PCB Date
PAD95C00654	CAS-16019	32260	7.4	100		EMPTY CONTAINERS	8/11/1994	8/15/1994
PAD94C32287	CAS-16292	35494	7.4	250		ALUMINUM/STEEL/RIVETS/BLADES/ROD	4/30/1993	4/30/1993
PAD94C22160	CAS-15712	23803	7.4	188		EMPTY SAMPLE CONTAINERS AND DEBRIS	10/30/1992	10/29/1992
PAD97C01629	55779-01	55779	7.4	45		EMPTY 17E DRUM, OLD #CAL-1606	11/14/1997	11/14/1997
PAD94C24320	CAS-15181	22476	7.4	291		TRAY CABLE	10/3/1989	10/2/1989
PAD94C24316	CAS-15169	22476	7.4	350		TRAY CABLE	10/3/1989	10/2/1989
PAD94C37381	CAS-16739	37301	7.4	319		ALUMINUM/WIRE/NUTS/BOLTS/RIVETS	8/9/1993	8/9/1993
PAD94C36275	CAS-16215	34650	7.4	506		STEEL/IRON/NUTS/BOLTS/BLADES/ROD	4/27/1993	4/27/1993
PAD94C36294	CAS-16765	34477	7.4	176		PVC PIPE/PIECES	8/16/1993	8/30/1993
PAD94C02795	CAS-12707	9796	7.4	72		5 GAL OIL BUCKETS	3/4/1991	3/4/1991
PAD00C00039	101851-01	101851	7.4	83		PCB WASTE SOLIDS / PCB TROUGH DRAINING AND REPAIRS	8/18/1999	8/18/1999
PAD99C01082	101548-01	101548	7.4	86		EMPTY 5 GALLON 1H1 NONREUSABLE DRUMS, EMPTIED DURI	9/23/1999	9/23/1999
PAD94C02318	CAS-15507	3068	7.4	112		LIGHT FIXTURE	2/14/1992	2/14/1992
PAD97C01926	62130-01	62130	7.4	105		EMPTY GLASS SAMPLE BOTTLES	12/3/1997	12/3/1997
PAD01C02064	103232-01	103232	4	53		PCB CONTAMINATED GLASS	3/3/2000	3/3/2000
PAD94C36284	CAS-16782	34484	7.4	201		ALUMINUM/STEEL/RODS/RIVETS	9/14/1993	9/29/1993
PAD95C00724	CAS-16021	45990	7.4	99		EMPTY 5-GALLON BUCKETS/METAL	4/26/1995	4/26/1995
PAD97C00786	55548-01	55548	7.4	98		COLIWASAS & METAL TOOLS	1/12/1998	1/12/1998
PAD94C37388	CAS-16721	34480	7.4	172		PVC PIPE	4/5/1993	4/5/1993
PAD95C00058	51403-01	51403	7.4	94		SCISSORS/BOLTS/CABLE TIES/FOIL	3/31/1995	3/31/1995
PAD94C37389	CAS-16772	34478	7.4	306		ALUMINUM/STEEL/RODS/RIVETS	9/8/1993	9/8/1993
PAD94C37379	CAS-16750	37324	7.4	269		METAL PIECES	7/1/1993	7/1/1993
PAD94C37346	CAS-16218	37353	7.4	153		PVC PIPE	5/6/1993	5/6/1993
PAD94C36274	CAS-16221	37358	7.4	197		PVC PIPE	4/27/1993	4/27/1993
PAD94C36301	CAS-16774	34484	7.4	194		PVC PIPE	9/14/1993	9/14/1993
PAD94C36880	CAS-16726	37360	7.4	189		PVC PIPE	5/10/1993	5/10/1993
PAD94C36297	CAS-16760	34483	7.4	207		PVC PIPE	7/21/1993	7/29/1993
PAD94C36884	CAS-16728	37363	7.4	197		PVC PIPE	5/17/1993	5/17/1993
PAD94C37352	CAS-16731	37365	7.4	507		ALUMINUM/NUTS/BOLTS/DRILL BITS	5/20/1993	5/20/1993
PAD94C37363	CAS-16729	37362	7.4	587		IRON/STEEL/RODS/CLAMPS/WIRE	5/18/1993	5/18/1993
[redacted]								
PAD94C36304	CAS-16736	37304	7.4	282		ALUMINUM/STEEL/RIVETS/SHEETMETAL	6/7/1993	6/7/1993
PAD96C00463	57427-01	57427	7.4	358		WIRE & CONDUIT	11/4/1996	11/1/1996
PAD94C24445	CAS-15173	22476	7.4	329		TRAY CABLE	10/3/1989	10/2/1989
PAD94C36287	CAS-16756	37325	7.4	269		COPPER/ALUMINUM/RIVETS/NUTS/BOLT	7/23/1993	7/23/1993
PAD95C01639	46048-01	46048	7.4	82		EMPTY 5-GALLON BUCKETS/SCRAP	10/8/1996	10/8/1996
PAD94C02382	CAS-12708	9796	7.4	90		5 GAL OIL BUCKETS	3/4/1991	3/4/1991
PAD96C00285	50662-01	50662	7.4	104		GLASS, COLIWASAS	6/14/1996	6/14/1996
PAD96C00462	51847-01	51847	7.4	65		EMPTY 5 GAL CONTAINERS	11/11/1996	11/11/1996
PAD94C36276	CAS-16734	37372	7.4	227		PVC PIPE	5/28/1993	5/28/1993
PAD94C24452	CAS-15171	22476	7.4	375		TRAY CABLE	10/3/1989	10/2/1989
PAD94C24451	CAS-15168	22476	7.4	347		TRAY CABLE	10/3/1989	10/2/1989
PAD94C37387	CAS-16220	37355	7.4	491		IRON/ALUMINUM/BLADES/RODS/CLAMPS	4/29/1993	4/29/1993
PAD94C37386	CAS-16216	37361	7.4	644		IRON/STEEL/RODS/CLAMPS	4/29/1993	4/29/1993
PAD94C36295	CAS-16764	34477	7.4	188		PVC PIPE/PIECES	8/16/1993	8/16/1993
PAD94C36296	CAS-16082	32946	7.4	180		PVC PIPE	3/8/1993	3/8/1993
PAD00C00060	101853-01	101853	7.4	70		PCB WASTE SOLIDS / PVC PIPE AND FITTINGS / PCB TRO	10/1/1999	10/1/1999
PAD99C00124	101547-01	101547	7.4	90		EMPTY 5HA1 DRUM, OLD NUMBER 62003-01. DRUM CONTAI	9/28/1999	9/28/1999
PAD94C02313	CAS-15500	3061	7.4	87		LIGHT FIXTURE	1/7/1992	1/7/1992
PAD97C03859	55773-04	55773	7.4	46		EMPTY 17E VENDOR DRUM	10/10/1997	10/14/1997
PAD94C37376	CAS-16778	34484	7.4	188		PVC PIPE	9/14/1993	9/29/1993
PAD94C37377	CAS-16777	34484	7.4	187		PVC PIPE	9/14/1993	9/21/1993
PAD99C01147	101555-01	101555	7.4	92		WASTE SOLIDS/PCB TROUGH DRAINING & REPAIRS; PPE/RA	4/18/1999	2/1/1999
PAD94C36273	CAS-16066	34833	7.4	231		PVC PIPE	4/2/1993	4/2/1993
PAD94C36272	CAS-16771	34482	7.4	191		PVC PIPE	9/7/1993	9/7/1993
PAD94C36283	CAS-16748	37314	7.4	207		PVC PIPE	6/16/1993	6/19/1993
PAD94C02796	CAS-12704	9796	7.4	56		5 GAL OIL BUCKETS	3/4/1991	3/4/1991
PAD01C02024	104071-01	104071	7.4	98		RUBBER HOSE WITH METAL WIRE REINFORCEMENT. NON-CO	1/11/2001	1/11/2001
PAD94C36281	CAS-16740	37305	7.4	218		PVC PIPE	6/9/1993	6/9/1993
PAD94C37360	CAS-16773	34484	7.4	158		PVC PIPE	9/14/1993	9/18/1993
PAD94C37361	CAS-16776	34484	7.4	180		PVC PIPE	9/14/1993	9/9/1993
PAD94C37365	CAS-16759	34483	7.4	185		PVC PIPE	7/21/1993	7/21/1993
PAD94C36296	CAS-16761	34483	7.4	198		PVC PIPE	7/21/1993	8/4/1993
PAD94C37364	CAS-16763	34476	7.4	348		ALUMINUM/STEEL/RIVETS/WELD RODS	7/27/1993	7/27/1993
PAD94C36885	CAS-16727	37364	7.4	397		ALUMINUM/STEEL/IRON/BLADES	5/12/1993	5/12/1993
PAD94C37356	CAS-16737	37374	7.4	226		PVC PIPE	6/7/1993	6/7/1993
PAD94C37357	CAS-16735	37303	7.4	198		PVC PIPE	6/7/1993	6/7/1993
PAD94C24313	CAS-15175	22476	7.4	307		TRAY CABLE	10/3/1989	10/2/1989
PAD94C24311	CAS-15174	22476	7.4	330		TRAY CABLE	10/3/1989	10/2/1989
PAD99C00656	102594-01	102594	7.4	65		EMPTY 5-GAL DRUMS CONTAINED IN 55-GAL DRUM	9/3/1999	9/3/1999
PAD94C36286	CAS-16749	37313	7.4	210		PVC PIPE/PIECES	7/1/1993	7/1/1993
				15063				

Manifest Number: 001754641 JJK
Shipment ID Number: 6202-15-0079
Shipment Date: 8/15/2008
Bulk Container ID Number: 107433-04

Barcode	WasteID	RFD	Net Vol	Gross Wt/um	Description	Origin Date	PCB Date
PAD97C03860	55773-05	55773	7.4	46	EMPTY 17E VENDOR DRUM	10/10/1997	10/14/1997
PAD97C03861	55773-06	55773	7.4	46	EMPTY 17E VENDOR DRUM	10/10/1997	10/14/1997
PAD97C03888	55513-01	55513	7.4	97	LIGHT FIXTURE/TOOLS	11/26/1997	11/26/1997
PAD98C01119	47180-02	47180	7.4	276	ELECTRICAL WIRE	5/6/1998	5/6/1998
PAD94C22022	CAS-16963	33031	7.4	165	PVC PIPE/FITTINGS	11/24/1993	11/24/1993
PAD94C03844	CAS-14790	11078	7.4	76	EMPTY DRUMS 5GAL 17E	12/20/1991	12/20/1991
PAD94C21885	CAS-16162	29176	7.4	144	ALUMINUM/WASTE METAL	3/10/1993	3/10/1993
PAD94C32286	CAS-16264	29750	7.4	210	ALUMINUM/IRON/RIVETS/NUTS/BLADES	4/2/1993	4/2/1993
PAD94C22030	CAS-16968	40020	7.4	378	ALUMINUM/IRON/BLADES/RIVETS/NUTS	8/10/1993	8/10/1993
PAD94C32289	CAS-16278	35477	7.4	165	ALUMINUM/STEEL/BLADES/ANGLE IRON	4/8/1993	4/8/1993
PAD94C32317	CAS-16258	29741	7.4	149	PVC PIPE/TROUGHING	3/15/1993	3/15/1993
PAD94C32326	CAS-16245	35479	7.4	282	CONDUIT/UNISTRUT/WIRE/COPPER	4/13/1993	4/1/1993
PAD94C21933	CAS-16998	40074	7.4	185	PVC PIPE/FITTINGS	10/19/1993	10/19/1993
PAD94C32324	CAS-16244	35479	7.4	337	CONDUIT/UNISTRUT/WIRE/COPPER	4/13/1993	3/18/1993
PAD94C21889	CAS-16159	29182	7.4	134	PVC PIPE	3/23/1993	3/23/1993
PAD94C21986	CAS-16923	31737	7.4	196	PVC PIPE/FITTINGS	11/1/1993	11/1/1993
PAD01C02731	104656-01	104656	7.4	93	ELECTRICAL EQUIPMENT. 2 CAPACITORS WERE REMOVED F	8/3/2001	8/6/2001
PAD94C21985	CAS-16925	31739	7.4	188	PVC PIPE/FITTINGS	10/28/1993	10/28/1993
PAD95C02729	55763-18	55763	11.4	126	EMPTY CONTAMINATED DRUM	7/10/1997	7/10/1997
PAD95C01693	52761-04	52761	11.4	128	EMPTY DRUMS (DAMAGED)	5/6/1996	5/6/1996
PAD95C02714	55763-07	55763	11.4	126	EMPTY CONTAMINATED DRUM	7/10/1997	7/10/1997
PAD98C00377	52761-01	52761	11.4	123	EMPTY DRUMS (DAMAGED)	5/6/1998	5/6/1998
PAD01C03177	CAS-15566	22146	11.4	150	EMPTY 17E DRUM - CAL-865	9/23/1992	9/23/1992
PAD98C00272	101007-03	101007	11.4	128	EMPTY DAMAGED 1A1 DRUMS	5/27/1998	5/27/1998
PAD95C02727	55763-16	55763	11.4	128	EMPTY CONTAMINATED DRUM	7/10/1997	7/10/1997
PAD98C00274	101007-02	101007	11.4	128	EMPTY DAMAGED 1A1 DRUMS	5/27/1998	5/27/1998
PAD95C02726	55763-15	55763	11.4	126	EMPTY CONTAMINATED DRUM	7/10/1997	7/10/1997
PAD01C02025	104627-01	104627	11.4	169	EMPTY CRUSHED PCB DRUMS	1/11/2001	1/11/2001
PAD98C01618	101962-06	101962	11.4	143	EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED). ASSO	3/19/1999	3/19/1999
PAD94C19388	101962-24	101962	11.4	151	EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED). ASSO	3/25/1998	3/25/1998
PAD98C01100	101548-02	101548	11.4	132	EMPTY NON-REUSABLE PCB 55G 17E DRUMS (EMPTIED DURI	9/23/1998	9/23/1998
PAD98C01650	101962-20	101962	11.4	158	EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED). ASSO	3/23/1999	3/23/1999
PAD01C03309	CAS-15917	23914	11.4	192	EMPTY SAMPLE CONTAINERS	12/4/1992	12/4/1992
PAD94C30560	CAS-17120	41763	11.4	127	EMPTY 17E DRUM - CAL 1402/6973	4/13/1994	4/13/1994
PAD01C02974	CAS-15575	27831	11.4	130	EMPTY DAMAGED 17E CAL-110 DRUM	10/13/1992	10/13/1992
PAD98C00273	101007-01	101007	11.4	127	EMPTY DAMAGED 1A1 DRUMS	5/27/1998	5/27/1998
PAD01C03150	CAS-15392	18319	11.4	146	EMPTY LEAKING PCB 17E (CAL-1149)	5/27/1992	5/27/1992
PAD98C00275	101007-04	101007	11.4	139	EMPTY DAMAGED 1A1 DRUMS	5/27/1998	5/27/1998
PAD95C02728	55763-17	55763	11.4	126	EMPTY CONTAMINATED DRUM	7/10/1997	7/10/1997
PAD94C01332	52761-02	52761	11.4	132	EMPTY DRUMS (DAMAGED)	5/6/1996	5/6/1996
PAD95C02712	55763-05	55763	11.4	126	EMPTY CONTAMINATED DRUM	7/10/1997	7/10/1997
PAD98C01676	52761-03	52761	11.4	125	EMPTY DRUMS (DAMAGED)	5/6/1998	5/6/1998
PAD95C02737	54877-01	54877	7.4	121	METAL FROM LIGHT	7/8/1997	8/10/1997
PAD94C22019	CAS-16926	31740	7.4	206	PVC PIPE/FITTINGS	11/2/1993	11/2/1993
PAD98C00416	102490-01	102490	7.4	87	LIGHT FIXTURES	2/19/1999	2/19/1998
PAD94C22020	CAS-16924	31738	7.4	248	ALUMINUM/STEEL/NUTS/BOLTS/BLADES	10/21/1993	10/21/1993
PAD94C02985	CAS-15103	13847	7.4	91	EMPTY SAMPLE CONTAINERS	11/26/1991	11/26/1991
PAD94C32310	CAS-16277	35478	7.4	165	PVC PIPE/FITTINGS/TROUGHING	4/13/1993	4/2/1993
PAD94C21889	CAS-16997	40075	7.4	188	PVC PIPE/FITTINGS	10/26/1993	10/26/1993
PAD97C01884	62601-01	62601	7.4	211	EMPTY SAMPLE JARS/COLIWASAS	5/20/1997	5/20/1997
PAD94C21995	CAS-16954	31850	7.4	169	PVC PIPE/FITTINGS	9/8/1993	9/8/1993
PAD94C32303	CAS-16274	35476	7.4	178	ALUMINUM/STEEL/BLADES/RIVETS/NUT	4/8/1993	4/8/1993
PAD94C22029	CAS-16969	40021	7.4	213	PVC PIPE/FITTINGS	8/24/1993	8/24/1993
PAD97C03857	55773-02	55773	7.4	46	EMPTY 17E VENDOR DRUM	10/10/1997	10/14/1997
PAD94C21987	CAS-16936	31780	7.4	287	ALUMINUM/RIVETS/RODS/BOLTS/NUTS	11/29/1993	11/29/1993
PAD94C21994	CAS-16963	40061	7.4	175	ALUMINUM/WIRE/CLAMPS/BLADES/BITS	10/12/1993	10/12/1993
PAD98C01120	47180-01	47180	7.4	276	ELECTRICAL WIRE	5/6/1998	5/6/1998
PAD97C03862	55773-09	55773	7.4	46	EMPTY 17E VENDOR DRUM	10/10/1997	10/14/1997
PAD97C03863	55773-07	55773	7.4	46	EMPTY 17E VENDOR DRUM	10/10/1997	10/14/1997
				9156			
PAD03C01183	106354-08	106354	7.4	181	PCB SCRAPMETAL FROM 280 M3 PROJECT. INCLUDES FUNN	6/13/2003	2/6/1990
PAD94C03554	CAS-16863	15815	7.4	402	CONDUIT	9/5/1990	9/5/1990
PAD03C01648	106354-14	106354	7.4	370	PCB SCRAPMETAL FROM 280 M3 PROJECT. INCLUDES FUNN	6/10/2003	2/2/1990
PAD03C01651	106355-07	106355	7.4	114	280M3 COLLECTION DRUM FOR PBC PIPE, VALVES, PLASTI	6/17/2003	12/31/1989
PAD03C01272	106355-05	106355	7.4	175	280M3 COLLECTION DRUM FOR PBC PIPE, VALVES, PLASTI	4/29/2003	2/6/1990
PAD03C01647	106354-16	106354	7.4	198	PCB SCRAPMETAL FROM 280 M3 PROJECT. INCLUDES FUNN	6/23/2003	12/31/1989
PAD97C03674	55483-02	55483	7.4	172	CONTAMINATED CABLE (ELEC WIRE)	5/21/1997	5/21/1997
PAD03C01179	106354-06	106354	7.4	201	PCB SCRAPMETAL FROM 280 M3 PROJECT. INCLUDES FUNN	4/23/2003	3/23/1990
[redacted]							
PAD03C00898	106354-03	106354	7.4	186	PCB SCRAPMETAL FROM 280 M3 PROJECT. INCLUDES FUNN	3/24/2003	2/13/1990

ENERGY*SOLUTIONS*

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT982598898

DOE, PGDP/PADUCAH

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (Cu/Ft) Process	Disposal Location
6202-15-0078	77221	08/22/2008	576	Mixed Waste

6478

RECEIVED
APR 07 2009
BY: TS

The total volume above represents the cubic feet of waste disposed of at EnergySolutions' disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) Certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

5/26/09
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	2	1-270-441-6211	001754642 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbe Rd,
Kevil, KY 42053

TRANSPORTER

6. Transporter 1 Company Name: Specialty Transport Inc.
U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name
U.S. EPA ID Number

DESIGNATED FACILITY

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

8a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, surface contaminated objects (SCO-II), 7, UN2913, RQ(PCB), Np-237, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 3157 MBq, Fissile Excepted	6	CM	3765	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 349 Trailer:4822 TID: See PCB Attachment PR05581 PCB Shut Date: 08/17/82
ERG # 162 In the event of an RQ Release, call 1-800-424-9802 If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info Shipment ID: 6202-15-0078

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE | Signature: Carrie C Maxie | Month: 10 | Day: 15 | Year: 08

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Wilson | Signature: Robert Wilson | Month: 10 | Day: 15 | Year: 08

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

RECEIVED OCT 29 2008 BY

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. GARDNER | Signature | Month: 10 | Day: 28 | Year: 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754642 JJK
Shipment ID Number: 6202-15-0078
Shipment Date: 8/15/2008

Bulk Container Information

UHWM Section	RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Total Activity (MBq)	TID #1	TID #2
Page 1 - 9b.1	17715	CAS-15561	PAD95C02743	POTENTIAL DEVICES	8/17/1992	90	4350	1973.12	545.43	E104338	E104337
Page 1 - 9b.1	54878	54878-01	PAD95C02734	METAL FROM LIGHT	6/12/1997	80	1826	828.26	545.43	0001896	0638187
Page 1 - 9b.1	55781	55781-01	PAD95C03630	SCRAPMETAL-DOLLY/LID/LT.FIXTURES	11/3/1997	90	1614	732.09	545.43	0001809	0001872
Page 1 - 9b.1	100052	100052-01	PAD00C00063	PCB CONTAMINATED FLOOR SCRUBBER	3/22/1999	65	1270	576.06	393.92	0001806	0001842
Page 1 - 9b.1	106332	106332-01	PAD07C03230	PCB CONTAMINATED EQUIPMENT.	1/9/2004	96	1932	876.34	581.79	0001847	0001813
Page 1 - 9b.1	120844	120844-01	PAD08C05120	PCB METAL	9/8/2007	90	2108	956.17	545.43	0001849	0001878
		Totals	**6**			**521**	**13100**	**5942.03**	**3157.45**		

ENERGYSOLUTIONS

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT982598898

DOE, PGDP/Paducah,

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (Cu/Ft)	Process	Disposal Location
6202-16-0001	54640	09/22/2008	575.3	Landfill	Mixed Waste
6202-16-0002	54643	09/22/2008	192.0	Landfill	Mixed Waste

The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

10/8/08
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	3	1-270-441-8211	001754640 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-6000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbe Rd.
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987753085

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone: — U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Waste Radioactive material, low specific activity (LSA-I), 7, UN2912, Am-241, Pb-210, Np-237, Pu-239, Tc-99, Th-228, Th-230, U-Dep, Solid/Oxide, 72 MBq, Fissile Excepted	79	DM	10057	K	F002		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Truck:177B Trailer: U82508 TID: 0552010 Accumulation Start Date: 08/25/05 PCB Start Date: 12/09/02
ERG # 162, In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional info Shipment ID: 8202-16-0001

15. GENERATOR/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Marie on behalf of USDOE — Signature: Carrie Marie — Month 08 Day 08 Year 08

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jim Whitaker — Signature — Month 08 Day 08 Year 08
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

RECEIVED SEP 1 0 2008 BY: TS

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARDNER — Signature — Month 08 Day 11 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Manifest Number: 001754640JJK
Shipment ID Number: 5202-18-0001
Shipment Date: 8/8/2008

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	Accumulation Start Date	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
113095	113095-01	PAD06C00975	FLOORSWEEP	12/09/02	04/13/06	4	137	62 14	0.349
113342	113342-01	PAD06C01231	OILY RAGS, SOCKS, PADS AND OTHER MISC LLW MIXED WITH > 50% FLOORSWEEP (USED)	01/13/05	02/20/06	7.4	435	197 31	1 236
113342	113342-02	PAD06C01229	OILY RAGS, SOCKS, PADS AND OTHER MISC LLW MIXED WITH > 50% FLOORSWEEP (USED)	01/13/05	02/20/06	7.4	396	179 62	1.109
113342	113342-03	PAD06C01230	OILY RAGS, SOCKS, PADS AND OTHER MISC LLW MIXED WITH > 50% FLOORSWEEP (USED)	01/13/05	02/20/06	7.4	388	175 99	1 083
113342	113342-04	PAD06C01232	OILY RAGS, SOCKS, PADS AND OTHER MISC LLW MIXED WITH > 50% FLOORSWEEP (USED)	01/13/05	02/20/06	7.4	466	208 38	1 301
113342	113342-05	PAD06C01233	OILY RAGS, SOCKS, PADS AND OTHER MISC LLW MIXED WITH > 50% FLOORSWEEP (USED)	01/13/05	02/20/06	7.4	411	186.43	1.158
113342	113342-06	PAD06C01227	OILY RAGS, SOCKS, PADS AND OTHER MISC LLW MIXED WITH > 50% FLOORSWEEP (USED)	01/13/05	02/20/06	7.4	200	90 72	0.470
113342	113342-07	PAD06C01228	OILY RAGS, SOCKS, PADS AND OTHER MISC LLW MIXED WITH > 50% FLOORSWEEP (USED)	01/13/05	02/20/06	7 4	191	86 64	0 440
113342	113342-08	PAD06C01234	OILY RAGS, SOCKS, PADS AND OTHER MISC LLW MIXED WITH > 50% FLOORSWEEP (USED)	01/13/05	02/20/06	7.4	419	190 05	1 164
113342	113342-09	PAD06C01238	OILY RAGS, SOCKS, PADS AND OTHER MISC LLW MIXED WITH > 50% FLOORSWEEP (USED)	01/13/05	02/20/06	7 4	410	185 97	1.154
113342	113342-10	PAD06C01237	OILY RAGS, SOCKS, PADS AND OTHER MISC LLW MIXED WITH > 50% FLOORSWEEP (USED)	01/13/05	02/20/06	7.4	403	182 80	1 131
113342	113342-11	PAD06C01226	OILY RAGS, SOCKS, PADS AND OTHER MISC LLW MIXED WITH > 50% FLOORSWEEP (USED)	01/13/05	02/20/06	7 4	316	143 33	0.848
113342	113342-12	PAD06C01236	OILY RAGS, SOCKS, PADS AND OTHER MISC LLW MIXED WITH > 50% FLOORSWEEP (USED)	01/13/05	02/20/06	7.4	186	85 27	0.430
115570	115570-01	PAD06C01248	FLOORSWEEP, MOPHEADS, PLASTIC, RAGS	07/17/06	07/25/06	7.4	384	165 11	1.004
115570	115570-02	PAD06C01245	FLOORSWEEP, MOPHEADS, PLASTIC, RAGS	07/17/06	07/25/06	7 4	211	95 71	0 585
115570	115570-03	PAD06C01252	FLOORSWEEP, MOPHEADS, PLASTIC, RAGS	07/17/06	07/25/06	7.4	348	157 85	0 962
115570	115570-04	PAD06C01247	FLOORSWEEP, MOPHEADS, PLASTIC, RAGS	07/17/06	07/25/06	7.4	205	92 99	0 486
115570	115570-05	PAD06C01254	FLOORSWEEP, MOPHEADS, PLASTIC, RAGS	07/17/06	07/25/06	0 87	22	9 98	0.055
115570	115570-06	PAD06C01253	FLOORSWEEP, MOPHEADS, PLASTIC, RAGS	07/17/06	07/25/06	7.4	168	76 20	0 365
115570	115570-07	PAD06C01250	FLOORSWEEP, MOPHEADS, PLASTIC, RAGS	07/17/06	07/25/06	7.4	398	179 62	1.109
115570	115570-08	PAD06C01239	FLOORSWEEP, MOPHEADS, PLASTIC, RAGS	07/17/06	07/25/06	7.4	219	99 34	0.531
115570	115570-09	PAD06C01240	FLOORSWEEP, MOPHEADS, PLASTIC, RAGS	07/17/06	07/25/06	7.4	353	160.12	0.968
115570	115570-10	PAD06C01243	FLOORSWEEP, MOPHEADS, PLASTIC, RAGS	07/17/06	07/25/06	7.4	353	160.12	0.968
115570	115570-11	PAD06C01241	FLOORSWEEP, MOPHEADS, PLASTIC, RAGS	07/17/06	07/25/06	7.4	317	143 78	0 851
115570	115570-12	PAD06C01251	FLOORSWEEP, MOPHEADS, PLASTIC, RAGS	07/17/06	07/25/06	7.4	378	171.46	1 050
115570	115570-13	PAD06C01242	FLOORSWEEP, MOPHEADS, PLASTIC, RAGS	07/17/06	07/25/06	7 4	415	188.24	1 171
115570	115570-14	PAD06C01246	FLOORSWEEP, MOPHEADS, PLASTIC, RAGS	07/17/06	07/25/06	7 4	383	173 72	1 068
115570	115570-15	PAD06C01249	FLOORSWEEP, MOPHEADS, PLASTIC, RAGS	07/17/06	07/25/06	7 4	356	161 48	0 978
115570	115570-16	PAD06C01244	FLOORSWEEP, MOPHEADS, PLASTIC, RAGS	07/17/06	07/25/06	7.4	410	185 97	1 154
115573	115573-01	PAD06C01604	PIGS, PADS, ZORBALL	07/24/06	08/02/06	7.4	191	86 64	0 440
115573	115573-02	PAD06C01605	PIGS, PADS, ZORBALL	07/24/06	08/02/06	0.67	53	24 04	0.157
115574	115574-01	PAD06C01601	FLOORSWEEP, MOPHEADS, CARDBOARD, PADS	07/24/06	08/02/06	7.4	376	170 55	1 043
115574	115574-02	PAD06C01602	FLOORSWEEP, MOPHEADS, CARDBOARD, PADS	07/24/06	08/02/06	7.4	120	54 43	0 209
115574	115574-03	PAD06C01603	FLOORSWEEP, MOPHEADS, CARDBOARD, PADS	07/24/06	08/02/06	7.4	392	177 81	1 096
115575	115575-01	PAD06C01808	FLOORSWEEP, MOPHEADS, CARDBOARD, PLASTIC	07/24/06	08/02/06	7.4	360	163 29	0 991
115575	115575-02	PAD06C01809	FLOORSWEEP, MOPHEADS, CARDBOARD, PLASTIC	07/24/06	08/02/06	7 4	256	116 12	0.652
115575	115575-03	PAD06C01807	FLOORSWEEP, MOPHEADS, CARDBOARD, PLASTIC	07/24/06	08/02/06	7.4	433	196 40	1 229
115575	115575-04	PAD06C01808	FLOORSWEEP, MOPHEADS, CARDBOARD, PLASTIC	07/24/06	08/02/06	7 4	422	191 41	1.193
115575	115575-05	PAD06C01811	FLOORSWEEP, MOPHEADS, CARDBOARD, PLASTIC	07/24/06	08/02/06	7.4	395	179 17	1.105
115575	115575-06	PAD06C01810	FLOORSWEEP, MOPHEADS, CARDBOARD, PLASTIC	07/24/06	08/02/06	7.4	392	177 81	1.096
115575	115575-07	PAD06C01612	FLOORSWEEP, MOPHEADS, CARDBOARD, PLASTIC	07/24/06	08/02/06	7.4	339	153.77	0.923
116302	116302-01	PAD06C01629	FLOORSWEEP, MISC TRASH, PIGS, PLASTIC, RAGS AND FLAGGING	06/11/03	04/03/06	7.4	319	144 70	0.858
116350	116350-01	PAD06C01096	FLOORSWEEP, MOPHEADS, PAPER, PLASTIC AND MISC. TRASH	06/28/06	07/06/06	7.4	416	188 69	1 174
116350	116350-02	PAD06C01074	FLOORSWEEP, MOPHEADS, PAPER, PLASTIC AND MISC TRASH	06/28/06	07/06/06	7.4	385	174 63	1 073
116350	116350-03	PAD06C01097	FLOORSWEEP, MOPHEADS, PAPER, PLASTIC AND MISC. TRASH	06/28/06	07/06/06	7 4	328	147 87	0 880
116350	116350-04	PAD06C01098	FLOORSWEEP, MOPHEADS, PAPER, PLASTIC AND MISC. TRASH	06/28/06	07/06/06	7.4	397	180 08	1.112
116350	116350-05	PAD06C01100	FLOORSWEEP, MOPHEADS, PAPER, PLASTIC AND MISC. TRASH	06/28/06	07/06/06	7.4	366	166.01	1.011
116350	116350-06	PAD06C01094	FLOORSWEEP, MOPHEADS, PAPER, PLASTIC AND MISC. TRASH	06/28/06	07/06/06	7.4	390	176 90	1 089
116350	116350-07	PAD06C01095	FLOORSWEEP, MOPHEADS, PAPER, PLASTIC AND MISC. TRASH	06/28/06	07/06/06	7.4	432	195 95	1.226
116350	116350-08	PAD06C01099	FLOORSWEEP, MOPHEADS, PAPER, PLASTIC AND	06/28/06	07/06/06	7 4	394	178 71	1 102
116398	116398-01	PAD05C06917	FLOORSWEEP, PAPER, PLASTIC, ZORBALL	08/25/05	08/25/05	7.4	359	162 84	0.988

PCB and Additional Information Attachment, Page 3 of 3
Manifest Number: 001754640JJK
Shipment ID Number: 6202-16-0001
Shipment Date: 8/8/2006

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	Accumulation Start Date	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
116398	116398-02	PAD05C06918	FLOORSWEEP, PAPER, PLASTIC, ZORBALL	08/25/05	08/25/05	7.4	237	107.50	0.590
116532	116532-01	PAD06C00668	FLOORSWEEP, MOPHEADS, PLASTIC, ABSORBENT PADS	08/01/03	03/14/06	7.4	254	115.21	0.646
116532	116532-02	PAD06C00671	FLOORSWEEP, MOPHEADS, PLASTIC, ABSORBENT PADS	08/01/03	03/14/06	7.4	264	119.75	0.670
116532	116532-03	PAD06C00669	FLOORSWEEP, MOPHEADS, PLASTIC, ABSORBENT PADS	08/01/03	03/14/06	7.4	394	178.71	1.102
116532	116532-04	PAD06C00672	FLOORSWEEP, MOPHEADS, PLASTIC, ABSORBENT PADS	08/01/03	03/14/06	7.4	368	166.92	1.017
116532	116532-05	PAD06C00670	FLOORSWEEP, MOPHEADS, PLASTIC, ABSORBENT PADS	08/01/03	03/14/06	7.4	415	188.24	1.171
116536	116536-01	PAD06C00664	FLOORSWEEP, MOPS (OILY)	02/08/05	03/14/06	7.4	386	175.09	1.076
116536	116536-02	PAD06C00665	FLOORSWEEP, MOPS (OILY)	02/22/05	03/14/06	7.4	333	151.05	0.903
116537	116537-01	PAD06C00667	PLASTIC, PAPAER, PADS, COPPER TUBING, ELECTRICAL COMPONENTS, ZORBALL, BROOM	01/20/05	03/14/06	7.4	192	87.09	0.449
116543	116543-01	PAD06C00936	FLOORSWEEP, MOPHEADS, PAPER, PLASTIC, WOOD	03/28/06	04/05/06	7.4	437	198.22	1.242
116543	116543-02	PAD06C00935	FLOORSWEEP, MOPHEADS, PAPER, PLASTIC, WOOD	03/28/06	04/05/06	7.4	311	141.07	0.831
116543	116543-03	PAD06C00934	FLOORSWEEP, MOPHEADS, PAPER, PLASTIC, WOOD	03/28/06	04/05/06	7.4	372	168.74	1.030
116543	116543-04	PAD06C00933	FLOORSWEEP, MOPHEADS, PAPER, PLASTIC, WOOD	03/28/06	04/05/06	7.4	331	150.14	0.897
116543	116543-05	PAD06C00931	FLOORSWEEP, MOPHEADS, PAPER, PLASTIC, WOOD	03/28/06	04/05/06	7.4	355	161.02	0.975
116543	116543-06	PAD06C00932	FLOORSWEEP, MOPHEADS, PAPER, PLASTIC, WOOD	03/28/06	04/05/06	7.4	460	208.65	1.317
116543	116543-07	PAD06C00929	FLOORSWEEP, MOPHEADS, PAPER, PLASTIC, WOOD	03/28/06	04/05/06	7.4	399	180.98	1.118
116544	116544-01	PAD06C00930	FLOORSWEEP, MOPHEADS, PAPER, PLASTIC	03/28/06	04/05/06	7.4	440	199.58	1.252
116577	116577-01	PAD06C01639	FLOORSWEEP, MOPHEADS, PAPER, PLASTIC, WOOD, SMALL PIECES OF RUBBER.	08/16/06	08/23/06	7.4	310	140.61	0.826
116578	116578-01	PAD06C01633	FLOORSWEEP, MOPHEADS, CARDBOARD, PAPER, PLASTIC, WOOD.	08/16/06	08/23/06	7.4	377	171.00	1.047
116579	116579-01	PAD06C01641	FLOORSWEEP, PAPER, CARDBOARD, WOOD, PLASTIC	08/16/06	08/23/06	7.4	302	136.98	0.802
116580	116580-01	PAD06C01640	FLOORSWEEP, MOPHEADS, PAPER, CARDBOARD, PLASTIC, SMALL NUTS/BOLTS, FLAGGING.	08/16/06	08/23/06	7.4	390	176.90	1.089
116581	116581-01	PAD06C01635	FLOORSWEEP, PAPER, PLASTIC, LEATHER GLOVES, WOOD.	08/16/06	08/23/06	7.4	455	206.38	1.301
116582	116582-01	PAD06C01636	FLOORSWEEP, PAPER, PLASTIC, SMALL PVC, COPPER WIRE, ELECTRICAL TAPE.	08/16/06	08/23/06	7.4	406	184.16	1.141
116583	116583-01	PAD06C01638	FLOORSWEEP, MOPHEADS, PAPAER, CARDBOARD, FLAGGING.	08/16/06	08/23/06	7.4	307	139.25	0.818
116584	116584-01	PAD06C01634	FLOORSWEEP, MOPHEADS, PAPER, CARDBOARD, PLASTIC, MISC. SMALL METAL PIECES, PLASTIC WIRE	08/16/06	08/23/06	7.4	366	165.56	1.006
116585	116585-01	PAD06C01637	FLOORSWEEP, MOPHEADS, PADS, LEATHER GLOVES, PLASTIC, RUBBER PIECES.	08/16/06	08/23/06	7.4	422	191.41	1.189
116650	116650-01	PAD06C01212	FLOORSWEEP AND MOPHEADS	07/06/06	07/11/06	7.4	179	81.19	0.401
116650	116650-02	PAD06C01211	FLOORSWEEP AND MOPHEADS	07/06/06	07/11/06	7.4	246	111.58	0.620
	Totals	78				587.74	28487	12895.17	72.299

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	2	1-270-441-6211	001754643 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone: — U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Waste Radioactive material, low specific activity (LSA-II), 7, UN3321, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 330 MBq, Flexible Excepted	2	CM	2650	K	F001		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Truck: 95/Trailer: W43449 — TID: See Attachment — Van 110#: 0552020
Accumulation Start Date: 05/05/87 — PCB Start Date: 05/05/87
ERG # 162, in the event of an RQ Release, call 1-800-424-8802 — If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info — Shipment ID: 6202-16-0002

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Mavie on behalf of USDOE — Signature: Carrie Y Mavie — Month: 08 — Day: 22 — Year: 08

INTL

16. International Shipments — ☐ Import to U.S. — ☐ Export from U.S. — Port of entry/exit: — Date leaving U.S.:
Transporter signature (for exports only):

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JEFF COLLIHER — Signature: Jeff Collihen — Month: 08 — Day: 22 — Year: 08
Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space — ☐ Quantity — ☐ Type — ☐ Residue — ☐ Partial Rejection — ☐ Full Rejection

RECEIVED
SEP 19 2008
BY: TS

18b. Alternate Facility (or Generator) — Manifest Reference Number: — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 — 2. — 3. — 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARDNER — Signature — Month: 10 — Day: 25 — Year: 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754643JJK

Shipment ID Number: 6202-16-0002

Shipment Date: 5/22/2008

UHWM Section	RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	Accumulation Start Date	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity (Bilq)	TSD Numbers
Page 1 - 9b.1	107621	107621-01	PAD05C06708	PCB SOIL/DEBRIS REPACKAGED AGREED ORDER PCB DRUMS - REPACKAGED FOR SHIPMENT WITH CRUSHED DRUMS, CUT UP PLASTIC OVERPACKS AND ASSOCIATED PPE.	05/05/87	05/05/87	90	2567	1164.37	99.810	26073 / 26074
Page 1 - 9b.2	107621	107621-02	PAD05C06707	PCB SOIL/DEBRIS REPACKAGED AGREED ORDER PCB DRUMS - REPACKAGED FOR SHIPMENT WITH CRUSHED DRUMS, CUT UP PLASTIC OVERPACKS AND ASSOCIATED PPE.	05/05/87	06/05/87	90	4875	2211.25	230.179	383605 / 383806
		Totals	2				180	7442	3375.62	329.989	

ENERGYSOLUTIONS

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT982598898

DOE, PGDP/Paducah,

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (Cu/Ft)	Process	Disposal Location
6202-15-0082	54647	08/27/2008	2,720.0	Landfill	Mixed Waste

The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

4/17/08
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	4	1-270-441-8211	001754647 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
1-270-441-5000
Generator's Phone:

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone: — U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, surface contaminated objects (SCO-II), 7, UN2913, RQ(PCB), Np-237, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 3248 MBq, Fissile Excepted	1	CM	5014	K	
X	2. Radioactive material, surface contaminated objects (SCO-II), 7, UN2913, RQ(PCB, Asbestos), Np-237, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 3254 MBq, Fissile Excepted	1	CM	4155	K	
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 937 Trailer: 4823 TID: See PCB Attachment
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Shut Date: 04/27/08
If undeliverable, return to generator
Shipment ID: 6202-15-0082

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of US DOE — Signature: Carrie L Maxie — Month 08 Day 22 Year 08

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Barry B. French — Signature: B. French — Month 8 Day 22 Year 08

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

RECEIVED
SEP 19 2008
Manifest Reference Number:
BY: B

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H 129	H129		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Albert Evans — Signature: Albert Evans — Month 10 Day 25 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 4

Manifest Number: 001754647 JJK

Shipment ID Number: 6202-15-0082

Shipment Date: 8/22/2008

Bulk Container Information

UHWM Section	RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	TID Number
Page 1 - 9b.1	107434	107434-03	PAD08C05344	Miscellaneous PCB Contaminated Debris Including Empty Drums & Metal Debris	10/2/1989	540	16080	7293.73	0028864
Page 1 - 9b.2	107433	107433-07	PAD08C05345	Miscellaneous PCB Contaminated Debris including Empty Drums & Metal Debris	4/27/1988	540	14120	6404.69	0019365
		Totals	**2**			**1080**	**30200**	**13698.42**	

See attached Drum Lists for specific information for each drum loaded into bulk containers.

Manifest Number: 001754847 JJK
Shipment ID Number: 6202-15-0062
Shipment Date: 8/22/2006
Bulk Container ID Number: 107434-03

Barcode	WasteID	RFD	Net Vol	Gross Weight	Description	Origin Date	PCB Date
PAD94C21930	CAS-16948	31846	7.4	153	PVC PIPE/FITTINGS	7/26/1993	7/26/1993
PAD93C00894	108364-02	108364	7.4	162	PCB SCRAP/METAL FROM 280 M3 PROJECT. INCLUDES FUNN	3/12/2003	2/8/1988
PAD94C24838	CAS-15180	22476	7.4	333	TRAY CABLE	10/3/1989	10/2/1989
PAD94C24837	CAS-15179	22476	7.4	374	TRAY CABLE	10/3/1989	10/3/1989
PAD97C03656	55773-01	55773	7.4	48	EMPTY 17E VENDOR DRUM	10/10/1997	10/14/1997
PAD94C32280	CAS-16281	35483	7.4	152	PVC PIPE/FITTINGS	4/16/1993	4/13/1993
PAD94C35851	CAS-16086	32948	7.4	496	WASTE METALS	3/8/1993	3/8/1993
PAD94C35282	CAS-16746	37309	7.4	279	ALUMINUM/STEEL/RODS/NUTS	6/22/1993	6/22/1993
PAD94C03015	CAS-15102	13847	7.4	101	EMPTY SAMPLE CONTAINERS	11/26/1991	11/26/1991
PAD94C37347	CAS-16209	34844	7.4	221	PVC PIPE	4/15/1993	4/15/1993
PAD94C21985	CAS-16986	40084	7.4	194	PVC PIPE/FITTINGS	10/13/1993	10/13/1993
PAD97C01930	62139-01	62139	7.4	70	EMPTY PLASTIC BOTTLES	2/18/1998	2/18/1998
PAD01C02071	101855-01	101855	7.4	88	PCB WASTE SOLIDS / PCB TROUGH DRAINING. PVC PIPE	1/18/2000	1/18/2000
PAD94C21983	CAS-16926	31742	7.4	201	PVC PIPE/FITTINGS	11/8/1993	11/8/1993
PAD95C01752	CAS-16589	32818	7.4	180	PVC PIPE	4/22/1993	4/22/1993
PAD01C03292	CAS-16915	23808	7.4	97	EMPTY SAMPLE CONTAINERS	11/20/1992	11/20/1992
PAD94C37363	CAS-16781	34464	7.4	154	PVC PIPE	9/14/1993	10/11/1993
PAD99C01096	101256-02	101256	7.4	100	MISC. EMPTY 5G BUCKETS (CRUSHED)	6/2/1999	6/2/1999
PAD98C00242	101962-07	101962	11.4	141	EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED). ASSO	3/18/1999	3/18/1999
PAD94C23433	101962-25	101962	11.4	128	EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED). ASSO	3/29/1999	3/29/1999
PAD97C01690	55776-08	55776	11.4	128	EMPTY OVERPACKED DRUMS	10/29/1997	10/24/1997
PAD98C00241	101962-08	101962	11.4	141	EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED). ASSO	3/18/1999	3/18/1999
PAD01C02788	CAS-15813	21247	11.4	152	EMPTY 5 GALLON BUCKETS	7/17/1992	7/9/1992
PAD01C02930	CAS-15570	27829	11.4	131	EMPTY 17E CAL-264 DAMAGED DRUM	10/12/1992	10/12/1992
PAD01C02788	CAS-15814	21247	11.4	183	EMPTY 5 GALLON BUCKETS	7/17/1992	7/9/1992
PAD01C02931	CAS-15571	27829	11.4	134	EMPTY 17E CAL-265 DAMAGED DRUM	10/12/1992	10/12/1992
PAD95C01488	CAS-16121	52727	11.4	130	EMPTY 55 GALLON DRUMS	9/27/1995	9/27/1995
PAD95C01487	CAS-16123	52727	11.4	130	EMPTY 55 GALLON DRUMS	9/27/1995	9/27/1995
PAD97C03678	55780-02	55780	11.4	140	EMPTY DRUMS	11/14/1997	11/14/1997
PAD95C01488	CAS-16122	52727	11.4	130	EMPTY 55 GALLON DRUMS	9/27/1995	9/27/1995
PAD95C03439	51324-06	51324	11.4	140	EMPTY DAMAGED 17E	9/30/1995	9/30/1995
PAD01C02927	CAS-15051	18843	11.4	143	EMPTY DRUM	3/20/1992	3/24/1992
PAD01C02772	CAS-15948	31677	11.4	248	EMPTY 5 GAL BUCKETS	3/23/1993	12/11/1992
PAD01C02858	CAS-15474	18547	11.4	181	EMPTY 5 GAL 17E DRUMS	7/16/1992	7/16/1992
PAD97C00902	53357-01	53357	11.4	126	EMPTY 17E DRUM, OLD #53218-01	4/25/1997	4/23/1997
PAD99C01619	101962-09	101962	11.4	139	EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED). ASSO	3/18/1999	3/18/1999
PAD01C03288	CAS-15628	27075	11.4	282	BROKEN GLASS SAMPLE BOTTLES	10/2/1992	10/2/1992
PAD99C00329	101962-23	101962	11.4	128	EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED). ASSO	3/25/1999	3/25/1999
PAD99C00734	101258-01	101258	7.4	189	MISC. EMPTY 5G BUCKETS (CRUSHED)	6/2/1999	6/2/1999
PAD94C36298	CAS-16780	34484	7.4	188	PVC PIPE	9/14/1993	9/30/1993
PAD94C36299	CAS-16779	34484	7.4	212	PVC PIPE	9/14/1993	9/29/1993
PAD95C01749	CAS-15897	32915	7.4	191	PVC PIPE/PIECES	4/9/1993	4/9/1993
PAD94C32328	CAS-16342	36600	7.4	134	PVC PIPE/FITTINGS	5/18/1993	5/18/1993
PAD97C01372	46008-01	46008	7.4	82	EMPTY 5 GAL DRUMS	7/2/1997	7/2/1997
PAD94C21898	CAS-16188	33688	7.4	817	UNISTRUT/NUTS/BOLTS/ANGLE IRON	5/17/1993	4/28/1993
PAD94C30599	CAS-17659	38380	7.4	101	EMPTY SAMPLE CONTAINERS	5/28/1994	5/31/1994
PAD95C00378	CAS-16052	46876	7.4	70	WET/DRY VACUUM/HOSES	4/18/1995	4/18/1995
PAD94C36288	CAS-16207	34642	7.4	195	PVC PIPE	4/12/1993	4/12/1993
PAD95C00158	CAS-17672	47652	7.4	121	DECON EQUIPMENT	3/28/1995	3/18/1995
PAD94C02788	CAS-12705	9798	7.4	88	5 GAL OIL BUCKETS	3/4/1991	3/4/1991
PAD94C37364	CAS-16723	37371	7.4	370	ALUMINUM/STEEL/RIVETS	5/5/1993	5/5/1993
PAD94C24969	CAS-15189	22476	7.4	307	TRAY CABLE	10/3/1989	10/2/1989
PAD94C24968	CAS-15177	22476	7.4	326	TRAY CABLE	10/3/1989	10/2/1989
PAD94C37385	CAS-16219	37354	7.4	200	PVC PIPE	5/5/1993	5/5/1993
PAD94C21963	CAS-16951	31847	7.4	226	ALUMINUM/IRON/BLADES/BANDING/NUT	8/5/1993	8/5/1993
PAD94C21964	CAS-16950	31846	7.4	186	PVC PIPE/FITTINGS	7/23/1993	7/23/1993
PAD01C03161	CAS-15678	27831	11.4	147	EMPTY DAMAGED 17E CAL-251 DRUM	10/13/1992	10/13/1992
PAD97C03677	55780-01	55780	7.4	140	EMPTY DRUMS	11/14/1997	11/14/1997
PAD01C02926	CAS-15050	18843	11.4	154	EMPTY DRUM	3/20/1992	3/24/1992
PAD01C02841	CAS-15573	27829	11.4	130	EMPTY 17E CAL-262 DAMAGED DRUM	10/12/1992	10/12/1992
				10958			

Manifest Number: 001754647 JJK
Shipment ID Number: 8202-16-0082
Shipment Date: 8/22/2006
Bulk Container ID Number: 107433-07

Barcode	WasteID	RFD	Net Vol	Gross Wt	Description	Drum Date	PCB Date
PAD01C02873	103382-01	103382	7.4	81	LIGHT SHADE (METAL) WITH STRAINS	4/16/1999	4/16/1999
PAD01C03286	CAS-16839	32326	11.4	167	EMPTY SAMPLE CONTAINERS	1/22/1993	1/22/1993
PAD01C03287	CAS-15932	32340	11.4	208	EMPTY SAMPLE CONTAINERS	3/3/1993	3/3/1993
PAD01C03324	CAS-15813	17823	11.4	164	EMPTY SAMPLE CONTAINERS	10/14/1992	10/14/1992
PAD03C00818	106355-06	106365	7.4	142	260M3 COLLECTION DRUM FOR PSC PIPE, VALVES, PLASTI	5/22/2003	2/2/1990
PAD03C01270	106354-13	106364	7.4	188	PCB SCRAPMETAL FROM 280 M3 PROJECT. INCLUDES FUNN	6/4/2003	2/2/1990
PAD03C01271	106354-10	106354	7.4	261	PCB SCRAPMETAL FROM 280 M3 PROJECT. INCLUDES FUNN	5/14/2003	2/2/1990
PAD04C04623	101639-01	101639	11.4	139	PCB EMPTY DRUMS (NON-REUSABLE) FROM TSCA) 99-02.	8/31/1999	8/31/1999
PAD05C06092	107144-01	107144	11.4	129	PCB EMPTY DRUM 103668-01 (LEAKING AT BOTTOM RIM).	2/7/2005	2/7/2005
PAD94C00878	CAS-10186	10760	7.4	124	COPPER TUBBING, PLASTIC	4/8/1990	4/8/1990
PAD94C02911	CAS-15383	18469	7.4	110	PLASTIC DEBRIS	5/21/1992	9/13/1990
PAD94C02917	CAS-15389	18469	7.4	91	PLASTIC DEBRIS	5/21/1992	9/13/1990
PAD94C02918	CAS-15374	18469	7.4	102	PLASTIC DEBRIS	5/21/1992	9/13/1990
PAD94C02932	CAS-15385	18469	7.4	94	PLASTIC DEBRIS	5/21/1992	9/13/1990
PAD94C02969	CAS-15373	18469	7.4	100	PLASTIC DEBRIS	5/21/1992	9/13/1990
PAD94C03518	CAS-14882	11905	7.4	72	EMPTY DRUMS	5/23/1991	5/23/1991
PAD94C03523	CAS-14888	13625	7.4	124	OILBATHS/COPPER TUBING/GLASS	9/18/1991	9/18/1991
PAD94C03611	8965	37272	7.4	467	PLASTIC/PPE & METAL PIPING	10/14/1993	5/3/1994
PAD94C20124	54010-08	54010	11.4	175	EMPTY 17E DRUM #5116	6/23/1995	6/19/1998
PAD94C20923	101962-19	101962	11.4	132	EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED). ASSO	3/23/1999	3/23/1999
PAD94C21870	CAS-18841	31697	7.4	144	PVC PIPE/FITTINGS	5/25/1993	5/25/1993
PAD94C21901	CAS-18871	40023	7.4	178	ALUMINUM/IRON/BLADES/RIVETS/WIRE	9/9/1993	9/9/1993
PAD94C21902	CAS-18878	40056	7.4	183	ALUMINUM/IRON/STEEL/BLADES/BOLTS	9/23/1993	9/23/1993
PAD94C22025	CAS-18872	40024	7.4	200	PVC PIPE/FITTINGS	9/14/1993	9/14/1993
PAD94C22026	CAS-18877	40055	7.4	166	PVC PIPE/FITTINGS	9/13/1993	9/13/1993
PAD94C22110	CAS-18117	30435	7.4	166	PCB HOSE	5/18/1993	5/18/1993
PAD94C22146	CAS-18561	36155	7.4	182	PCB HOSE	9/10/1993	9/10/1993
PAD94C22822	CAS-18464	31698	7.4	159	EMPTY 5 GAL BUCKETS	6/24/1993	6/23/1993
PAD94C23342	54010-18	54010	11.4	120	EMPTY 17E DRUM #8409	8/21/1996	6/19/1998
PAD94C23548	54010-16	54010	11.4	98	EMPTY 17E DRUM #878	8/21/1996	6/19/1998
PAD94C23574	54010-06	54010	11.4	97	EMPTY 17E DRUM #874	8/21/1996	6/19/1998
PAD94C23657	54010-08	54010	11.4	90	EMPTY 17E DRUM #4688	8/21/1996	6/19/1998
PAD94C24021	54010-15	54010	11.4	99	EMPTY 17E DRUM #4717	8/21/1996	6/19/1998
PAD94C30544	CAS-17254	41753	11.4	138	EMPTY DRUM FROM CAL-1009	5/2/1994	5/2/1994
PAD94C34367	54010-17	54010	11.4	134	EMPTY 17E DRUM #5273	8/21/1996	6/19/1998
[redacted]							
PAD95C01084	54010-07	54010	11.4	130	EMPTY 17E DRUM #3798	8/21/1996	6/19/1998
PAD95C01742	CAS-16148	32911	7.4	188	PVC PIPES & PIECES	4/23/1993	3/24/1993
PAD95C02202	101962-01	101962	11.4	129	EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED). ASSO	3/17/1999	3/17/1999
PAD95C02704	39861-02	39861	7.4	80	5 GAL FLIP TOP BUCKETS	3/17/1997	3/12/1997
PAD95C02705	39861-01	39861	7.4	81	5 GAL FLIP TOP BUCKETS	3/17/1997	3/12/1997
PAD95C02706	55746-01	55746	7.4	98	METAL FROM LIGHT FIXTURES	8/17/1997	5/27/1997
PAD95C02707	55746-02	55746	7.4	151	METAL FROM LIGHT FIXTURES	8/17/1997	5/28/1997
PAD95C09852	54003-01	54003	11.4	122	EMPTY DRUM (CAL-1473 DAMAGED)	3/25/1996	3/25/1996
PAD96C00307	52839-03	52839	7.4	239	GLASS	10/24/1996	9/13/1990
PAD97C00680	55877-01	55877	7.4	97	CRUSHED 5-GALLON DRUMS	2/18/1997	2/18/1997
PAD97C00749	52981-01	52981	11.4	123	DAMAGED DRUMS	7/24/1997	7/24/1997
PAD97C00781	55786-01	55786	11.4	128	EMPTY 1A1/X DRUMS	12/12/1997	12/12/1997
PAD97C01584	55776-05	55776	11.4	156	EMPTY OVERPACKED DRUMS	10/29/1997	10/24/1997
PAD97C01589	55776-02	55776	11.4	124	EMPTY OVERPACKED DRUM 47423-02	10/29/1997	10/24/1997
PAD97C03204	101962-26	101962	11.4	127	EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED). ASSO	3/25/1999	3/25/1999
PAD97C03664	55773-03	55773	7.4	45	EMPTY 17E VENDOR DRUM	10/10/1997	10/14/1997
PAD98C00263	101021-01	101021	7.4	142	EMPTY SCRAPMETAL	10/8/1998	8/4/1998
PAD98C00494	44619-01	44619	7.4	78	PVC TROUGH	3/27/1998	3/27/1998
PAD98C03584	102529-01	102529	7.4	213	SCRAPMETAL FROM AW-46 PCB DRUMS	10/8/1998	4/27/1998
PAD98C03580	102529-02	102529	7.4	122	SCRAPMETAL FROM AW-46 PCB DRUMS	10/8/1998	8/10/1998
PAD99C00322	101962-10	101962	11.4	125	EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED). ASSO	3/23/1999	3/22/1999
PAD99C00324	101962-11	101962	11.4	130	EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED). ASSO	3/22/1999	3/22/1999
PAD99C00619	101699-01	101699	4	28	EMPTY WASTE DRUM 30G 6HA1 (PREVIOUSLY CONTAINED P	5/4/1999	5/3/1999
				6900			

ENERGYSOLUTIONS

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT982598898

DOE, PGDP/Paducah,

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (Cu/Ft)	Process	Disposal Location
6202-15-0083	54648	09/11/2008	2,720.0	Landfill	Mixed Waste

The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

9/17/08
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	4	1-270-441-621	001754648 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

TRANSPORTER

6. Transporter 1 Company Name: Hillman Transport Services — U.S. EPA ID Number: TND067763065

7. Transporter 2 Company Name — U.S. EPA ID Number

DESIGNATED FACILITY

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, surface contaminated objects (SCO-II), 7, UN2913, RQ(PCB, Asbestos), Np-237, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 3273 MBq, Fissile Excepted	1	CM	4318	K	
X	2. Radioactive material, surface contaminated objects (SCO-II), 7, UN2913, RQ(PCB, Asbestos), Np-237, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 3273 MBq, Fissile Excepted	1	CM	5462	K	
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 232A Trailer: 054529 TID: See PCB Attachment P205991 — PCB Start Date: 08/17/83
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 — If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info — Shipment ID: 8202-15-0069

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE — Signature: Carrie Maxie — Month: 10 Day: 26 Year: 08

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

TRANSPORTER

17. Transporter Acknowledgement of Receipt of Materials
Transporter 1 Printed/Typed Name: Wilburn Dennis King Jr. — Signature: Wilburn Dennis King Jr. — Month: 10 Day: 26 Year: 08
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

RECEIVED SEP 19 2008 BY: TS

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129	H129		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARNER — Signature — Month: 08 Day: 28 Year: 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 4

Manifest Number: 001754848 JJK
Shipment ID Number: 6202-15-0083
Shipment Date: 8/26/2008

Bulk Container Information

UHWM Section	RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Date to Storage	NET VOLUME (Ft3)	GROSS WT (lb)	Gross Wt Kg	TID Number
Page 1 - 9b.1	107433	107433-08	PAD08C05346	Miscellaneous PCB Contaminated Debris including Empty Drums & Metal Debris	10/7/1987	540	14340	6504.48	0028689
Page 1 - 9b.2	107433	107433-09	PAD08C05347	Miscellaneous PCB Contaminated Debris including Empty Drums & Metal Debris	6/17/1983	540	16780	7611.24	0028849
		Totals	2			1080	31120	14115.72	

See attached Drum Lists for specific information for each drum loaded into bulk containers.

ENERGYSOLUTIONS

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT982598898

DOE, PGDP/Paducah,

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (Cu/Ft)	Process	Disposal Location
6202-15-0084	54651	10/21/2008	480.0	Landfill	Mixed Waste
6202-15-0085	54652	10/21/2008	480.0	Landfill	Mixed Waste
6202-15-0086	54653	10/21/2008	480.0	Landfill	Mixed Waste

The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

10/28/08
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: KY 8890008982
2. Page 1 of: 2
3. Emergency Response Phone: 1-270-441-6211
4. Manifest Tracking Number: **001754651 JJK**

5. Generator's Name and Mailing Address:
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address):
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd.
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc.
U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ (PCB), Am-241, Np-237, Tc-99, Th-228, Th-230, U-Dep, Solid/Oxide, 630 MBq	5	CM	16669	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information: Truck: 4336 Trailer: 11835
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT. See PCB Attachment for Additional Info
PCB Start Date: 1/16/1998
If undeliverable, return to generator
Shipment ID: 6202-15-0084

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Mayle on behalf of USDOE
Signature: [signature]
Month/Day/Year: 10 07 08

16. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Port of entry/exit:
Transporter signature (for exports only):
Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Luis I Buhl
Signature: [signature]
Month/Day/Year: 10 07 08
Transporter 2 Printed/Typed Name:
Signature:
Month/Day/Year:

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

RECEIVED NOV 06 2008 BY: [initials]

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129
2.
3.
4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. Gardner
Signature: [signature]
Month/Day/Year: 10 10 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Side labels: GENERATOR; INT'L; TRANSPORTER; DESIGNATED FACILITY

Drum List Attachment. Page 3 of 4

Manifest Number: 001754648 JJK

Shipment ID Number: 6202-15-0083

Shipment Date: 5/28/2008

Bulk Container ID Number: 107433-08

Barcode	WasteID	RFD	Net Vol	Gross Wt	Turn	Description	Origin Date	PCB Date
PAD94C22194	CAS-15337	17997	7.4	118		DRUM SAMPLES AND DEBRIS	4/2/1992	4/2/1992
PAD95C02703	36560-01	39880	0.67	18		PCB CONTAMINATED FITTINGS-PIPE	3/17/1997	3/13/1998
PAD94C00541	CAS-11299	14246	7.4	102		DROP CLOTHS FROM CLEANUP	12/7/1998	12/7/1998
PAD98C03811	102536-01	102536	7.4	164		GLASS BOTTLES/GLASS COLIWASAS	11/4/1998	11/4/1998
PAD94C36239	CAS-18084	32944	7.4	60		METAL	3/24/1993	3/24/1993
PAD94C21868	CAS-16166	29191	7.4	144		CUT-UP ALUMINUM CANS	4/15/1993	4/8/1993
PAD94C37304	CAS-18085	32943	7.4	60		METAL	3/24/1993	3/24/1993
PAD97C00732	55680-08	55680	11.4	94		EMPTY DRUMS	2/21/1997	2/21/1997
PAD94C03190	CAS-14981	11084	11.4	138		DAMAGED 17E IN GRAY OP	12/31/1991	5/16/1991
PAD91C02888	CAS-15883	24365	11.4	159		EMPTY BUCKETS	7/9/1992	7/9/1992
PAD94C23549	54010-09	54010	11.4	98		EMPTY 17E DRUM #878	5/21/1998	5/19/1998
PAD94C23181	54010-13	54010	11.4	96		EMPTY 17E DRUM #4995	5/21/1998	5/19/1998
PAD01C03340	CAS-15715	17826	11.4	203		EMPTY SAMPLE CONTAINERS	10/18/1992	10/18/1992
PAD94C23453	54010-03	54010	11.4	106		EMPTY 17E DRUM #872	5/21/1998	5/19/1998
PAD99C00296	101982-07	101982	11.4	128		EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED), ASSO	3/17/1998	3/17/1998
PAD94C27003	CAS-06137	6546	11.4	419		CAST IRON DRAIN PIPE	10/7/1997	10/7/1997
PAD94C21997	CAS-15852	31948	7.4	240		ALUMINUM/IRON/BLADES/BRACKETS	8/17/1993	8/17/1993
PAD94C02954	CAS-14424	6682	7.4	204		METAL ROOF DECKING	3/27/1989	3/27/1989
PAD94C02488	CAS-14420	6682	7.4	210		METAL ROOF DECKING	3/27/1989	3/27/1989
PAD94C21958	CAS-15953	31848	7.4	165		PVC PIPE/FITTINGS	8/5/1993	8/5/1993
PAD99C02335	108451-01	108451	7.4	86		PIPING, VALVES, PPE, ETC., FROM PCB TROUGHING ACTI	2/24/2006	2/24/2006
PAD94C02988	CAS-15372	18459	7.4	89		PLASTIC DEBRIS	5/21/1992	9/13/1990
PAD94C02916	CAS-15375	18489	7.4	106		PLASTIC DEBRIS	5/21/1992	9/13/1990
PAD94C02988	CAS-14429	15388	7.4	107		METAL, FORMICA BOARD, PLASTIC	8/2/1991	8/2/1991
PAD94C25475	CAS-06186	4581	7.4	348		EMPTY GLASS SAMPLE CONTAINERS	1/15/1998	1/15/1998
PAD98C01694	52840-02	52840	7.4	123		EMPTY GLASS CONTAINERS	10/24/1998	6/14/1990
PAD94C02964	CAS-15371	18489	7.4	84		PLASTIC DEBRIS	5/21/1992	9/13/1990
PAD98C02881	CAS-10300	10298	7.4	124		METAL	7/2/1998	6/10/1998
PAD99C00977	102394-01	102394	0.67	11		BROKEN SAMPLE GLASS BOTTLES	5/27/1999	5/27/1999
[redacted]								
PAD02C08789	103388-01	103388	0.67	15		EMPTY GLASS SAMPLE BOTTLES FROM SAMPLING PCB TRANS	1/4/2002	1/4/2002
PAD94C03207	7100	31053	0.67	5		EMPTY SAMPLE JARS/PPE	4/27/1993	4/2/1993
PAD08C01860	108642-01	108642	0.67	10		EMPTY METAL / PLASTIC CANS, EMPTY GLASS JARS, KNIF	1/12/1999	8/30/2008
PAD97C01615	55480-02	55480	0.67	14		PVC/RAGS	10/29/1997	5/21/1997
PAD97C01617	55480-03	55480	0.67	15		PVC/VALVE	10/29/1997	8/14/1997
PAD97C01614	55480-01	55480	0.67	18		PVC/RAGS	10/29/1997	8/14/1997
PAD98C06356	61427-01	61427	0.67	18		GLASS BOTTLES	10/29/1997	3/11/1997
PAD99C01318	103287-01	103287	0.67	25		PCB EMPTY LAB GLASS VIALS PER MIKE DUNN	2/2/1998	5/29/1997
PAD97C01618	55480-04	55480	0.67	18		PVC PIPE	11/12/1998	10/12/1999
PAD94C02809	CAS-15361	18459	7.4	107		PLASTIC DEBRIS	10/29/1997	8/14/1997
PAD94C02913	CAS-15362	18458	7.4	115		PLASTIC DEBRIS	5/21/1992	1/22/1990
PAD99C00681	52728-01	52728	11.4	130		EMPTY 17E DRUM (CAL-867)	5/21/1992	2/12/1990
PAD94C04029	52761-06	52761	11.4	135		EMPTY DRUMS (DAMAGED)	10/2/1995	10/2/1995
PAD94C01380	52761-06	52761	11.4	135		EMPTY DRUMS (DAMAGED)	8/8/1995	8/8/1995
PAD01C02783	CAS-15368	27839	11.4	151		MT PENETONE/WATER DRUM CAL-1011	8/8/1995	8/8/1995
PAD94C34600	52761-07	52761	11.4	138		EMPTY DRUMS (DAMAGED)	10/8/1992	10/8/1992
PAD01C02887	CAS-15677	27831	11.4	132		EMPTY DAMAGED 17E CAL-118 DRUM	8/8/1995	8/8/1995
PAD99C00454	52838-06	52838	7.4	243		GLASS	10/13/1992	10/13/1992
PAD01C02790	CAS-15470	16547	11.4	129		EMPTY DRUMS	10/24/1995	12/12/1995
PAD94C00452	58701-01	58701	7.4	295		EMPTY GLASS CONTAINERS	7/16/1992	7/16/1992
PAD00C00504	103291-01	103291	7.4	149		METAL DEBRIS CONSOLIDATED FROM LDR98007 LAB PACKS.	10/23/1998	1/15/1998
PAD99C06762	104938-01	104938	7.4	97		PLASTIC SHEETING, SPILLED VERMICULITE, RAGS, PPE,	5/12/2000	4/11/1998
PAD98C02326	120025-01	120025	7.4	109		PIPING, VALVES, PPE, ETC... FROM PCB TROUGHING ACT	10/3/2002	10/2/2002
PAD94C02804	CAS-15368	18489	7.4	91		PLASTIC DEBRIS	1/24/2008	1/24/2008
PAD94C02344	CAS-14461	15439	7.4	111		AUTOSAMPLER	5/21/1992	9/13/1990
PAD94C02041	CAS-14348	15858	7.4	91		PLASTIC/FLAGGING/RAGS/VALVE	8/1/1991	8/1/1991
PAD98C00477	101011-01	101011	7.4	165		EMPTY 5-GAL DRUMS	7/8/1991	7/8/1991
PAD94C00020	CAS-14419	6682	7.4	208		METAL ROOF DECKING	7/28/1994	4/14/1998
PAD94C02967	CAS-15366	18488	7.4	88		PLASTIC DEBRIS	3/27/1989	3/27/1989
PAD94C02957	CAS-14426	6682	7.4	172		METAL ROOF DECKING	5/21/1992	9/13/1990
PAD94C22031	CAS-15866	40018	7.4	199		PVC PIPE/FITTINGS	3/27/1989	3/27/1989
PAD98C00353	54811-02	54811	7.4	83		PLASTIC	8/10/1993	8/10/1993
PAD08C01029	101539-02	101539	11.4	131		PCB EMPTY DRUMS (NON-REUSABLE) FROM TSCA# 99-02.	2/2/1998	5/21/1997
PAD94C18941	54010-04	54010	11.4	92		EMPTY 17E DRUM #4132	8/31/1999	8/31/1999
PAD94C23534	54010-14	54010	11.4	93		EMPTY 17E DRUM #876	8/21/1996	6/19/1996
PAD03C01015	101539-03	101539	11.4	121		PCB EMPTY DRUMS (NON-REUSABLE) FROM TSCA# 99-02.	8/31/1999	6/18/1996
PAD01C03157	CAS-15212	16844	11.4	137		EMPTY DAMAGED 17E DRUM	8/31/1999	8/31/1999
PAD97C01591	55778-07	55778	11.4	102		EMPTY OVERPACKED DRUMS	4/14/1992	8/11/1992
PAD94C19452	54010-10	54010	11.4	83		EMPTY 17E DRUM #5501	10/29/1997	10/24/1997
PAD03C01051	106865-01	106865	11.4	134		EMPTY DRUM HC-1315A/CAL974A RFD 10865. MAY CONTAIN	8/21/1998	6/19/1998
[redacted]							5/2/2003	5/2/2003
PAD98C01761	CAS-16147	32812	7.4	441		PCB/RAG METALS	4/23/1993	3/15/1993

Manifest Number: 001784648 JJK
Shipment ID Number: 6202-15-0043
Shipment Date: 8/26/2008
Bulk Container ID Number: 107433-09

Barcode	WasteID	RFD	Net Vol	Gross Wt	Len	Description	Origin Date	PCB Date
PAD97C03672	55483-01	55483	7.4	223		CONTAMINATED CABLE (ELEC WIRE)	5/21/1997	5/21/1997
PAD00C00044	101878-01	101878	7.4	80		SMALL METAL BRACKETS FROM VENT DUCT.	9/15/1998	9/15/1998
PAD98C00883	108852-01	108852	7.4	118		DRAINED HOSES USED ON TSCA 04-01 LIQUID BULK SHIPM	3/22/2008	3/22/2008
PAD96C01691	52940-03	52940	7.4	125		PLASTIC/MISC. DEBRIS	10/29/1998	8/14/1998
PAD03C03102	104915-01	104915	7.4	131		PCB TROUGH (VALVE, PVC, ROD AND HANGERS, ALUMINUM,	8/21/2001	8/21/2001
PAD03C03300	108432-01	108432	11.4	128		TWO 55 GALLON DRUMS IN 85 GALLON OVERPACKS, EMPTY.	4/14/2003	4/14/2003
PAD04C05503	120002-01	120002	11.4	137		OLD EMPTY DRUM (NON-INTACT) CAL-0301A PAD94C34973	11/18/2004	11/18/2004
PAD94C22223	CAS-17908	40589	7.4	312		HYPALON MATERIAL	2/24/1994	2/24/1994
PAD95C01780	CAS-18958	32920	7.4	487		SCRAP METAL	3/31/1993	3/31/1993
PAD98C00355	54911-01	54911	7.4	115		PLASTIC	2/2/1998	9/11/1997
PAD94C30852	CAS-17302	40629	7.4	130		PVC PIPE/RAGS	5/11/1994	11/8/1993
PAD94C26599	CAS-08141	8346	11.4	392		CAST IRON DRAIN PIPE	12/7/1987	12/7/1987
PAD94C22706	CAS-03886	122	11.4	661		CAST IRON PIPE FROM AUTOCLAVE	11/4/1996	11/4/1996
PAD98C01861	101962-19	101962	11.4	139		EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED). ASSO	9/22/1999	9/23/1999
PAD00C00877	103299-01	103299	11.4	133		EMPTY PLASTIC OVERPACK WITH DAMAGED LID AND DETERI	9/21/2000	9/21/2000
PAD00C00086	102498-02	102498	11.4	149		PCB CONTAMINATED EMPTY METAL DRUMS.	12/13/1999	2/25/2000
PAD98C01884	101962-13	101962	14.8	288		EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED). ASSO	3/22/1999	3/22/1999
PAD94C03123	CAS-10132	9348	11.4	335		CRUSHED DRUMS	8/21/1998	8/21/1998
PAD00C00358	103298-01	103298	7.4	123		EMPTY VENDOR 55 GALLON BUNG TOP DRUM CONTAMINATED	9/7/2000	9/7/2000
PAD94C01358	CAS-17412	37926	11.4	143		EMPTY 17E DRUM	8/4/1994	8/4/1994
PAD94C33050	CAS-17411	37925	11.4	126		EMPTY 17E DRUM	8/4/1994	8/4/1994
PAD01C03502	104901-01	104901	7.4	154		HYPALON FROM WR-118	8/7/2001	8/7/2001
PAD97C03877	102543-01	102543	7.4	112		GLASS COUPASAB	12/1/1998	12/1/1998
PAD00C00081	100053-01	100053	7.4	95		PCB CONTAMINATE HYPALON & HOSES FROM FLOOR SCRUBBE	3/22/1999	3/22/1999
PAD94C21900	CAS-16865	40073	7.4	198		PVC PIPE/FITTINGS	10/25/1993	10/25/1993
PAD08C01799	108891-01	108891	7.4	66		DRAINED PLASTIC COLLECTIONCONTAINERS USED FOR PCB	10/24/2008	10/24/2008
PAD03C00897	108354-04	108354	7.4	117		PCB SCRAP METAL FROM 280 M3 PROJECT. INCLUDES FURN	3/31/2003	8/14/1998
PAD07C04013	108578-01	108578	4	75		VACUUM HOSES, ELECTRICAL CORD, METAL BUCKET GENERA	8/14/1998	8/14/1998
PAD07C04008	108577-01	108577	4	46		VACUUM AND ACCESSORIES (HOSE, NOZZLES, ETC.) USED	8/14/1998	8/14/1998
PAD95C00021	51402-01	51402	7.4	128		EMPTY GLASS SAMPLE CONTAINERS	3/29/1995	3/29/1995
PAD94C32381	CAS-16289	36491	7.4	179		PVC PIPE/FITTINGS/TROUGHING	5/11/1993	4/30/1993
PAD99C00882	101928-02	101928	7.4	177		METAL PCB DEBRIS FROM AW-50 SAMPLING PROJECT (SEGR	9/8/1999	3/27/1999
PAD98C00881	101928-01	101928	7.4	211		METAL PCB DEBRIS FROM AW-50 SAMPLING PROJECT (SEGR	9/8/1999	3/27/1999
PAD03C03107	104915-02	104915	7.4	79		PCB TROUGH (VALVE, PVC, ROD AND HANGERS, ALUMINUM,	9/24/2001	9/24/2001
PAD03C00872	108354-06	108354	7.4	200		PCB SCRAP METAL FROM 280 M3 PROJECT. INCLUDES FURN	4/21/2003	8/21/1998
PAD99C00001	101928-03	101928	7.4	82		METAL PCB DEBRIS FROM AW-50 SAMPLING PROJECT (SEGR	9/8/1999	3/27/1999
PAD03C03399	108432-02	108432	11.4	162		TWO 55 GALLON DRUMS IN 85 GALLON OVERPACKS, EMPTY.	4/14/2003	4/14/2003
PAD01C02782	CAS-18674	28271	11.4	121		EMPTY 17E 85G DRUM CAL-975	11/18/1992	11/18/1992
PAD97C01881	61955-01	61955	7.4	100		EMPTY SAMPLE BOTTLES	7/8/1997	7/8/1997
PAD94C34937	CAS-17486	38722	7.4	84		TCLP SAMPLE BOTTLES	8/21/1994	8/21/1994
PAD94C22186	CAS-18673	33759	7.4	84		2IN DISCHARGE HOSE (10 FT)	4/13/1993	4/13/1993
PAD94C19027	101962-17	101962	11.4	102		EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED). ASSO	3/23/1999	3/23/1999
PAD94C26947	CAS-03871	122	11.4	737		CAST IRON PIPE FROM AUTOCLAVE	11/4/1996	11/4/1996
PAD01C03297	CAS-18923	29322	11.4	239		PLASTIC/PPE	2/26/1993	10/29/1992
PAD00C00293	103299-04	103299	11.4	364		EMPTY SAMPLE BOTTLES GENERATED FROM LDR 99007	4/19/1999	4/11/1999
PAD98C10958	101962-22	101962	14.8	258		EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED). ASSO	3/24/1999	3/24/1999
PAD00C00170	101962-21	101962	14.8	259		EMPTY PCB METAL DE-HEADED DRUMS (OVERPACKED). ASSO	3/24/1999	3/24/1999
PAD97C01585	56776-09	56776	11.4	133		EMPTY OVERPACKED DRUMS	10/29/1997	10/24/1997
PAD97C03236	125035-01	125035	11.4	134		EMPTY DRUM DRUM 120035-01 WHICH LEAKED ON 8/9/07.	8/9/2007	6/17/1993
PAD99C00820	56768-01	56768	11.4	82		DAMAGED 17E 85G DRUM	8/25/1997	8/28/1997
PAD94C03082	CAS-16642	34725	11.4	134		EMPTY 55G/17E DRUMS IN OVERPACK	11/4/1993	11/4/1993
PAD94C03561	CAS-14788	18426	7.4	78		PLASTIC/PAPER/LABELS	12/8/1991	8/13/1991
PAD99C03748	101028-01	101028	7.4	48		EMPTY DAMAGED 55-GAL DRUM	12/4/1998	12/4/1998
PAD94C22027	CAS-18997	40088	7.4	120		ALUMINUM/BLADES/WIRE/BITS/BOLTS	10/13/1993	10/13/1993
PAD94C03448	CAS-12818	15491	7.4	258		PLASTIC/CLOTH	4/9/1991	4/9/1991
PAD00C00188	102107-07	102107	7.4	318		DUCT WORK FROM SEISMIC PROJECT. METAL FLANGES IN	3/1/2000	12/2/1999
PAD01C03830	111176-01	111175	7.4	120		DMSA COLLECTION CONTAINER TSCA WASTE @ C-337-30 ZD	11/8/2001	11/5/2001
PAD99C01148	101588-01	101588	7.4	137		PCB WASTE SOLIDS/PVC PIPE AND FITTINGS	7/30/1999	4/21/1999
PAD04C04331	107717-01	107717	7.4	90		EMPTY PLASTIC AND GLASS BOTTLES FROM SAMPLE POUR-U	4/2/2004	4/2/2004
PAD99C01869	101740-01	101740	7.4	80		BROKEN GLASS FROM SAMPLING & DISPOSAL ACTIVITIES	7/6/1999	7/9/1999
PAD98C00298	56661-01	56661	7.4	106		PPE/RAGS/PADS/PLASTIC/HYPALON		

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: KY 8890008982
2. Page 1 of: 2
3. Emergency Response Phone: 1-270-441-8211
4. Manifest Tracking Number: 001754652 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc.
U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ (PCB), Am-241, Np-237, Tc-99, Th-228, Th-230, U-Dep, Solid/Oxide, 550 MBq	5	CM	14541	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Transport 3119 Trailer 823
For Emergency Response - Contact PGDP PSS at 1-270-441-8211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 1/16/1998
If undeliverable, return to generator
Shipment ID: 6202-15-0085

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Mann on behalf of USDOE
Signature
Month 10 Day 07 Year 08

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Robert C Wilson
Signature
Month 10 Day 7 Year 08
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

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BY:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J GARDNER
Signature
Month 11 Day 6 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754652 JJK
Shipment ID Number: 6202-15-0085
Shipment Date: 10/7/2008

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq	TID #1	TID #
53155	53155-09	PAD97C03712	C-540-A SOIL/GRAVEL/ASPHALT	01/16/98	96	8378	3800.18	129.957	0026812	0026820
53155	53155-07	PAD97C03713	C-540-A SOIL/GRAVEL/ASPHALT	01/16/98	96	7976	3617.83	123.063	0026802	0026809
53155	53155-10	PAD97C03714	C-540-A SOIL/GRAVEL/ASPHALT	01/16/98	96	4508	2044.78	63.589	0026806	0026807
58507	58507-12	PAD97C03716	SOIL/GRAVEL/ASPHALT-SWMU 57/81	01/21/98	96	8502	3856.42	132.083	0026803	0026808
58507	58507-15	PAD97C03715	SOIL/GRAVEL/ASPHALT-SWMU 57/81	01/21/98	96	6694	3036.33	101.077	0026823	0026810
	Totals	**5**			**480**	**36058**	**16356**	**549.77**		

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	2	1-270-441-6211	001754653 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc.
U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone:
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ (PCB), Am-241, Np-237, Tc-99, Th-228, Th-230, U-Dep, Solid/Oxide, 643 MBq	5	CM	17009	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info

PCB Start Date: 1/13/1998
If undeliverable, return to generator
Shipment ID: 6202-15-0086

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Mann on behalf of USDOE
Signature: Carrie Mann
Month: 10 Day: 07 Year: 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Danny Allen
Signature:
Month: Day: Year:

Transporter 2 Printed/Typed Name
Signature
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

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BY: TB

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J. GARDNER
Signature:
Month: 10 Day: 30 Year: 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754653 JJK
Shipment ID Number: 6202-15-0086
Shipment Date: 10/7/2008

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq	TID #1	TID #
58507	58507-01	PAD97C03726	SOIL/GRAVEL/ASPHALT-SWMU 57/81	01/20/98	96	8542	3874.57	132.769	0026818	0026822
58507	58507-02	PAD97C03725	SOIL/GRAVEL/ASPHALT-SWMU 57/81	01/20/98	96	8592	3897.25	133.627	0026816	0026805
58503	58503-02	PAD97C03699	C-540-A SOIL & GRASS	01/13/98	96	8006	3631.44	123.577	0026865	0026819
58503	58503-04	PAD97C03691	C-540-A SOIL & GRASS	01/13/98	96	8330	3778.40	129.133	0026817	0026804
53154	53154-08	PAD97C03698	C-533-3A SOIL & GRASS	01/13/98	96	8028	3641.42	123.954	0026813	0026811
	Totals	**5**			**480**	**41498**	**18823**	**643.06**		

ENERGYSOLUTIONS

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT982598898

DOE, PGDP/Paducah,

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (Cu/Ft)	Process	Disposal Location
6202-15-0087	54654	11/21/2008	480.0	Landfill	Mixed Waste
6202-15-0088	54655	11/21/2008	480.0	Landfill	Mixed Waste
6202-15-0089	54656	11/21/2008	480.0	Landfill	Mixed Waste
6202-15-0090	54657	11/21/2008	576.0	Landfill	Mixed Waste
6202-15-0091	54658	11/21/2008	480.0	Landfill	Mixed Waste
6202-15-0092	54661	11/21/2008	576.0	Landfill	Mixed Waste
6202-15-0093	54659	11/21/2008	384.0	Landfill	Mixed Waste
6202-15-0094	54662	11/21/2008	2,720.0	Landfill	Mixed Waste

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JAN 13 2009
BY: TS

The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

12/1/08
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	2	1-270-441-6211	001754654 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone: — U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ (PCB), Am-241, Np-237, Tc-99, Th-228, Th-230, U-Dep. Solid/Oxide, 650 MBq	5	CM	17180	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 337 Trailer: 4820
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT. See PCB Attachment for Additional Info

PCB Start Date: 1/13/1988
If undeliverable, return to generator
Shipment ID: 6202-15-0087

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE — Signature: Carrie Maxie — Month 10 Day 14 Year 08

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: DONALD MONDAY — Signature: Donald Monday — Month Day Year

Transporter 2 Printed/Typed Name — Signature — Month 10 Day 14 Year 08

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

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18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Albert Evans — Signature: Albert Evans — Month 10 Day 17 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754654 JJK
Shipment ID Number: 6202-15-0087
Shipment Date: 10/14/2008

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq	TID #1	TID #2
53155	53155-06	PAD97C03707	C-540-A SOIL/GRAVEL/ASPHALT	01/16/98	96	9000	4082.31	140.623	E104274	0026948
53155	53155-04	PAD97C03709	C-540-A SOIL/GRAVEL/ASPHALT	01/16/98	96	8818	3999.76	137.502	E104273	E104272
53155	53155-03	PAD97C03710	C-540-A SOIL/GRAVEL/ASPHALT	01/16/98	96	8234	3734.86	127.487	0026950	0026931
58507	58507-04	PAD97C03718	SOIL/GRAVEL/ASPHALT-SWMU 57/81	01/20/98	96	7662	3475.41	117.678	0026934	0026933
58503	58503-01	PAD97C03697	C-540-A SOIL & GRASS	01/13/98	96	8162	3702.20	126.252	0026936	0026935
	Totals	**5**			**480**	**41876**	**18995**	**649.54**		

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754655 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Specialty Transport Inc.
U.S. EPA ID Number
TNR000011247

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone:
U.S. EPA ID Number
UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ (PCB), Am-241, Np-237, Tc-99, Th-228, Th-230, U-Dep, Solid/Oxide, 624 MBq	5	CM	16510	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 8087 Trailer: 4822
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 1/14/1998
If undeliverable, return to generator
Shipment ID: 6202-15-0068

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Marie on Behalf of US DOE | Signature: Carrie Marie | Month: 10 | Day: 14 | Year: 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: DANNY R HOTON | Signature: Danny Hoton | Month: 10 | Day: 14 | Year: 08
Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:
NOV 0 4 2008
18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee | Signature: Justin Lee | Month: 10 | Day: 17 | Year: 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754655 JJK
Shipment ID Number: 6202-15-0088
Shipment Date: 10/14/2008

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq	TID #1	TID #2
58507	58507-08	PAD97C03717	SOIL/GRAVEL/ASPHALT-SWMU 57/81	01/20/98	96	7970	3615.11	122.960	E104305	E104306
53155	53155-02	PAD97C03705	C-540-A SOIL/GRAVEL/ASPHALT	01/16/98	96	8220	3728.51	127.247	0026945	0026944
53155	53155-01	PAD97C03706	C-540-A SOIL/GRAVEL/ASPHALT	01/16/98	96	8068	3659.56	124.640	0026946	0026943
53155	53155-05	PAD97C03708	C-540-A SOIL/GRAVEL/ASPHALT	01/16/98	96	8188	3713.99	126.698	0026949	0026932
58503	58503-05	PAD97C03692	C-540-A SOIL & GRASS	01/14/98	96	7952	3606.95	122.651	E104295	E104296
	Totals	**5**			**480**	**40398**	**18324**	**624.20**		

Tar # 4825

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	2	1-270-441-6211	001754656 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
1-270-441-5000
Generator's Phone:

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services.
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone:
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ (PCB), Am-241, Np-237, Tc-99, Th-228, Th-230, U-Dep, Solid/Oxide, 614 MBq	5	CM	16235	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information 10/14/08 Truck: 9394 Trailer: 482-S
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, in the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 1/13/1999
If undeliverable, return to generator
Shipment ID: 6202-15-0089

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE — Signature: Carrie Maxie — Month 10 Day 14 Year 08

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Luis J Buhl — Signature: Luis J Buhl — Month 10 Day 14 Year 08
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

RECEIVED NOV 17 2008 BY: TS

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Albert Evans — Signature: Albert Evans — Month 10 Day 17 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754656 JJK
Shipment ID Number: 6202-15-0089
Shipment Date: 10/14/2008

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq	TID #1	TID #
58507	58507-05	PAD97C03728	SOIL/GRAVEL/ASPHALT-SWMU 57/81	01/20/98	96	7242	3284.90	110.475	E104290	E104289
58507	58507-09	PAD97C03727	SOIL/GRAVEL/ASPHALT-SWMU 57/81	01/20/98	96	8566	3885.45	133.181	E104291	E104292
58507	58507-07	PAD97C03720	SOIL/GRAVEL/ASPHALT-SWMU 57/81	01/20/98	96	7944	3603.32	122.514	E104275	E104276
58507	58507-11	PAD97C03719	SOIL/GRAVEL/ASPHALT-SWMU 57/81	01/21/98	96	8520	3864.59	132.392	E104278	E104277
53154	53154-03	PAD97C03701	C-533-3A SOIL & GRASS	01/13/98	96	7520	3411.00	115.243	E104298	E104299
	Totals	**5**			**480**	**39792**	**18049**	**613.80**		

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754657 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Specialty Transport Inc.
U.S. EPA ID Number
TNR000011247

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone:
U.S. EPA ID Number
UTD982598898

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ (PCB), Am-241, Np-237, Tc-99, Th-228, Th-230, U-Dep, Solid/Oxide, 503 MBq	4	CM	13292	K	
X	2. Radioactive material, low specific activity (LSA-I), 7, UN2912, Am-241, Np-237, Tc-99, Th-228, Th-230, U-Dep, Solid/Oxide, 112 MBq	2	CM	2958	K	
	3.					
	4.					

14. Special Handling Instructions and Additional Information Truck: 349 Trailer: 4824
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 1/13/1998
If undeliverable, return to generator
Shipment ID: 6202-15-0090

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE | Signature: Carrie Maxie | Month: 10 | Day: 14 | Year: 08

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Wilson | Signature: Robert Wilson | Month: 10 | Day: 14 | Year: 08

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

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18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129	H129		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 16a

Printed/Typed Name: Albert Evans | Signature: Albert Evans | Month: 10 | Day: 17 | Year: 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754657 JJK
Shipment ID Number: 6202-15-0090
Shipment Date: 10/14/2008

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq	TID #1	TID #2
53154	53154-01	PAD97C03702	C-533-3A SOIL & GRASS	01/13/98	96	7928	3596.06	122.239	E104281	E104282
53154	53154-04	PAD97C03703	C-533-3A SOIL & GRASS	01/13/98	96	8086	3667.73	124.949	E104279	E104280
53154	53154-06	PAD97C03693	C-533-3A SOIL & GRASS	01/13/98	96	7670	3479.04	117.815	E104284	E104283
58507	58507-13	PAD97C03729	SOIL/GRAVEL/ASPHALT-SWMU 57/81	01/21/98	96	8820	4000.88	137.537	E104288	E104287
120043	120043-02	PAD05C07198	SOIL, CRUSHED DRUMS, PPE, RAGS		90	4080	1850.66	56.249	0376685	0376686
120043	120043-03	PAD05C07260	SOIL, CRUSHED DRUMS, PPE, RAGS		90	4042	1833.41	55.598	0026314	0026313
	Totals	**6**			**564.00**	**40626.00**	**18427.55**	**614.39**		

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: KY 8890008982
2. Page 1 of 2
3. Emergency Response Phone: 1-270-441-6211
4. Manifest Tracking Number: 001754658 JJK

5. Generator's Name and Mailing Address:
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address):
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ (PCB), Am-241, Np-237, Tc-99, Th-228, Th-230, U-Dep, Solid/Oxide 610 MBq	5	CM	16123	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information: Truck: 343 Trailer: 4833
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional info
PCB Start Date: 1/13/1998
If undeliverable, return to generator
Shipment ID: 6202-15-0091

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE — Signature: [signature] — Month/Day/Year: 10 14 08

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: David Futrell — Signature: [signature] — Month/Day/Year: 10 14 08
Transporter 2 Printed/Typed Name: — Signature: — Month/Day/Year:

18. Discrepancy
18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

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19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Albert Evans — Signature: [signature] — Month/Day/Year: 10 17 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: KY 8890008982
2. Page 1 of: 2
3. Emergency Response Phone: 1-270-441-6211
4. Manifest Tracking Number: 001754559 JJK

5. Generator's Name and Mailing Address:
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address):
U.S. DOE c/o Paducah Remediation Services, Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd, Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ(PCB), Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, ~~44 MBq, Fissile Excepted~~	47	DF	14231	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information:
Truck # 703 B Trailer # U80842 TID# 0019044
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162. In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 8/7/1986
If undeliverable, return to generator
Shipment ID: 6202-15-0047

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David R DelaCruz on behalf of US DOE — Signature: David R DelaCruz — Month/Day/Year: 1/25/08

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Keith Elliott — Signature: Keith Elliott — Month/Day/Year: 01/25/08
Transporter 2 Printed/Typed Name: — Signature: — Month/Day/Year:

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED MAR 2 ... BY: LT

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Justin Lee — Signature: Justin Lee — Month/Day/Year: 1/28/08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

6202-15 - 0047

PCB and Additional Information Attachment, Page 2 of 2
Manifest Number: 001754559 JJK
Shipment ID Number: 6202-15-0047
Shipment Date: 1/25/2008

RPD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Category	PCB START DATE (date removed from service)	NET VOLUME (cy)	GROSS WT (lb)	Gross Wt Kg	Activity MBq
3966	CAS-02903	PAD94C26624	GRAVEL	PCB Remediation Debris	08/07/86	7.4	842	381.92	1.036
3969	CAS-03264	PAD94C21209	GRAVEL	PCB Remediation Debris	08/14/86	7.4	769	348.81	0.934
3969	CAS-03277	PAD94C26644	GRAVEL	PCB Remediation Debris	08/14/86	7.4	818	371.04	1.002
3969	CAS-03286	PAD94C26643	GRAVEL	PCB Remediation Debris	08/14/86	7.4	815	369.68	0.998
3969	CAS-03306	PAD94C21259	GRAVEL	PCB Remediation Debris	08/14/86	7.4	769	348.81	0.934
3969	CAS-03312	PAD94C21252	GRAVEL	PCB Remediation Debris	08/14/86	7.4	813	368.77	0.995
3969	CAS-03330	PAD94C26571	GRAVEL	PCB Remediation Debris	08/14/86	7.4	783	355.16	0.963
3969	CAS-03361	PAD94C21229	GRAVEL	PCB Remediation Debris	08/14/86	7.4	971	440.44	1.215
4140	CAS-03567	PAD94C26128	CONCRETE	PCB Remediation Debris	08/26/86	7.4	718	325.69	0.863
3972	CAS-03635	PAD94C21247	CONCRETE	PCB Remediation Debris	09/02/86	7.4	775	351.53	0.942
3940	CAS-04235	PAD94C26126	CONTAMINATED CONCRETE	PCB Remediation Debris	09/29/87	7.4	627	284.40	0.736
3942	CAS-04301	PAD94C26118	CONTAMINATED CONCRETE	PCB Remediation Debris	10/01/87	7.4	682	309.36	0.813
3943	CAS-04334	PAD94C21248	CONTAMINATED CONCRETE	PCB Remediation Debris	10/15/87	7.4	744	337.47	0.899
3944	CAS-04378	PAD94C26117	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	731	331.57	0.881
3944	CAS-04380	PAD94C26640	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	737	334.30	0.889
3944	CAS-04387	PAD94C21240	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	654	296.65	0.774
3944	CAS-04388	PAD94C21239	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	757	343.37	0.917
3944	CAS-04404	PAD94C21206	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	662	300.26	0.785
3944	CAS-04408	PAD94C26120	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	730	331.12	0.879
3944	CAS-04417	PAD94C21220	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	570	258.55	0.658
3944	CAS-04418	PAD94C21221	CONTAMINATED CONCRETE	PCB Remediation Debris	10/06/87	7.4	676	306.63	0.804
3945	CAS-04446	PAD94C26572	CONTAMINATED CONCRETE	PCB Remediation Debris	10/07/87	7.4	778	352.89	0.946
3946	CAS-04462	PAD94C26812	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	690	312.98	0.824
3946	CAS-04472	PAD94C26803	CONTAMINATED CONCRETE	PCB Remediation Debris	10/08/87	7.4	814	369.22	0.997
3947	CAS-04519	PAD94C26804	CONTAMINATED CONCRETE	PCB Remediation Debris	10/09/87	7.4	689	312.52	0.822
3950	CAS-04671	PAD94C26593	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/13/87	7.4	796	361.08	0.971
3950	CAS-04688	PAD94C26578	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/13/87	7.4	836	379.20	1.027
3950	CAS-04689	PAD94C26590	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/13/87	7.4	849	385.10	1.045
6326	CAS-04795	PAD94C26647	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	808	366.50	0.988
6326	CAS-04798	PAD94C26628	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/14/87	7.4	809	366.95	0.990
6328	CAS-04817	PAD94C26648	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/16/87	7.4	825	374.21	1.012
6328	CAS-04818	PAD94C26627	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/16/87	7.4	832	377.39	1.022
6327	CAS-05091	PAD94C26600	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	829	376.03	1.017
6327	CAS-05092	PAD94C26606	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	818	370.13	0.999
6327	CAS-05110	PAD94C26587	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	796	361.08	0.974
6327	CAS-05112	PAD94C26579	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/15/87	7.4	783	355.16	0.963
6331	CAS-05200	PAD94C26591	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/21/87	7.4	788	357.43	0.969
6333	CAS-05373	PAD94C21231	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	764	346.54	0.927
6333	CAS-05375	PAD94C21212	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	752	341.10	0.910
6333	CAS-05420	PAD94C21213	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/23/87	7.4	762	345.64	0.924
6334	CAS-05538	PAD94C21232	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/26/87	7.4	833	377.84	1.023
6337	CAS-05644	PAD94C26575	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	756	342.91	0.916
6337	CAS-05662	PAD94C26607	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	768	348.36	0.932
6337	CAS-05675	PAD94C26592	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	708	321.14	0.849
6337	CAS-05694	PAD94C26589	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	815	369.68	0.998
6336	CAS-05782	PAD94C26584	CONTAMINATED FILL ROCK & SOIL	PCB Remediation Debris	10/28/87	7.4	730	331.12	0.879
6345	CAS-06125	PAD94C26580	PCB CONTAMINATED CONCRETE	PCB Remediation Debris	12/07/87	7.4	756	342.91	0.916
	Totals	**47**				**347.8**	**38027**	**18941**	**44**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	1	1-270-441-6211	001754661 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-6000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Specialty Transport Inc.
U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone:
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, Am-241, Np-237, Tc-99, Th-228, Th-230, U-Dep, Solid/Oxide, 623 Mbq	6	CM	16473	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
For Emergency Response - Contact PGDP PSS at 1-270-441-6211
ERG # 162, in the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See BOL and BOL Attachment for Additional Info
PCB Start Date: N/A
If undeliverable, return to generator
Shipment ID: 6202-15-0092

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of US DOE | Signature: Carrie Maxie | Month: 10 | Day: 24 | Year: 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: See BOL for Shipment for Transporter Signatures | Signature | Month | Day | Year
Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

RECEIVED NOV 04 2008 TS

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 | 2. | 3. | 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARDNER | Signature | Month: 10 | Day: 24 | Year: 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	4	1-270-441-6211	001754662 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, surface contaminated objects (SCO-II), 7, UN2913, RQ(PCB), Np-237, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 3273 MBq, Fissile Excepted	1	CM	4933	K	
X	2. Radioactive material, surface contaminated objects (SCO-II), 7, UN2913, RQ(PCB), Np-237, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 3273 MBq, Fissile Excepted	1	CM	6887	K	
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 343 Trailer:4820 TID: See PCB Attachment — PCB Start Date: 12/11/84
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 — If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info — Shipment ID: 6202-15-0094

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Telfair on behalf of U.S. DOE — Signature: LaChelle Telfair — Month: 11 Day: 07 Year: 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: David Futrell — Signature: David Futrell — Month: 11 Day: 07 Year: 08

Transporter 2 Printed/Typed Name — Signature — Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

DEC 10 2008

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.
H129	H129	

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Thomas Sims — Signature — Month: Day: Year:

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Manifest Number: 001754662 JJK
Shipment ID Number: 6202-15-0094
Shipment Date: 11/7/2008
Bulk Container ID Number: 107434-05

Barcode	WasteID	RFD	Net Vol	Gross Wt	um	Description	Origin Date	PCB Date
PAD94C02684	CAS-12760	10862	7.4	89		EMPTY 5 GAL PAILS	3/26/1991	3/26/1991
PAD03C00892	106355-03	106355	7.4	227		280M3 COLLECTION DRUM FOR PBC PIPE, VALVES, PLASTI	3/19/2003	4/3/1990
PAD94C15648	CAS-09888	9002	7.4	76		LIGHT FIX/CHAIR CUSHION	5/25/1989	3/5/1990
PAD94C15669	CAS-12828	14154	7.4	120		LIGHT FIXTURES	4/10/1991	4/10/1991
PAD94C33064	CAS-17298	41773	7.4	100		PLASTIC / PPE	5/17/1994	5/17/1994
PAD94C21338	CAS-14094	15757	7.4	332		SCRAP METAL	6/5/1991	6/5/1991
PAD94C21339	CAS-14082	15759	7.4	316		PIPE	6/5/1991	6/5/1991
PAD94C22093	CAS-12838	11026	7.4	214		AUTOCLAVE METAL FROM C-333-A	4/30/1991	4/30/1991
PAD94C22092	CAS-12839	11026	7.4	242		AUTOCLAVE METAL FROM C-333-A	4/30/1991	4/30/1991
PAD94C22103	CAS-14089	15759	7.4	270		PIPE	6/5/1991	6/5/1991
PAD94C22102	CAS-14092	15759	7.4	408		PIPE	6/5/1991	6/5/1991
PAD94C21345	CAS-14087	15759	7.4	458		PIPE	6/5/1991	6/5/1991
PAD94C21346	CAS-14088	15759	7.4	370		PIPE	6/5/1991	6/5/1991
PAD94C03742	CAS-15795	29312	7.4	265		WASTE OIL TANK PUMPS	1/14/1993	1/14/1993
PAD94C03311	CAS-17548	32250	7.4	108		EMPTY SAMPLE CONTAINERS	2/15/1994	2/15/1994
PAD08C05375	107156-02	107156	7.4	106		MISCELLANEOUS WASTE FROM PCB TROUGHING ACTIVITIES.	3/10/2008	3/10/2008
PAD98C03700	62594-01	62594	7.4	113		SAMPLE BOTTLES	7/30/1998	7/30/1998
PAD94C03107	CAS-08361	5713	11.4	603		SAND	11/21/1988	11/21/1988
PAD94C00576	CAS-09987	7980	7.4	60		EMPTY	5/7/1990	5/7/1990
PAD94C21386	CAS-12508	11681	7.4	159		CONTAMINATED METAL	12/19/1990	12/19/1990
PAD94C21332	CAS-12842	11026	7.4	404		AUTOCLAVE METAL FROM C-333-A	4/30/1991	4/30/1991
PAD94C23110	CAS-14947	23588	7.4	103		HOSES	2/8/1992	2/8/1992
PAD99C00738	101738-01	101738	7.4	223		BROKEN COLIWASAS, BOTTLES, WITH PADS	5/27/1999	5/27/1999
PAD94C21395	CAS-14692	18458	7.4	204		HOSES	11/15/1991	11/15/1991
PAD94C22105	CAS-14085	15759	7.4	392		PIPE	6/5/1991	6/5/1991
PAD94C21353	CAS-14613	11078	7.4	76		METAL/CLOTH	10/28/1991	8/27/1991
PAD94C21343	CAS-14091	15759	7.4	408		PIPE	6/5/1991	6/5/1991
PAD94C22107	CAS-14275	15453	7.4	136		GLASS/PAPER/PLASTIC	6/18/1991	6/18/1991
PAD94C21396	CAS-14693	18458	7.4	138		HOSES	11/15/1991	11/15/1991
PAD94C21334	CAS-12837	11026	7.4	104		AUTOCLAVE METAL FROM C-333-A	4/30/1991	4/30/1991
PAD94C22099	CAS-14084	15759	7.4	371		PIPE	6/5/1991	6/5/1991
PAD94C21441	CAS-14694	18458	7.4	136		HOSES	11/15/1991	11/15/1991
PAD94C21349	CAS-14097	15757	7.4	188		SCRAP METAL	6/5/1991	6/5/1991
PAD94C22095	CAS-14096	15757	7.4	311		SCRAP METAL	6/5/1991	6/5/1991
PAD02C06758	106085-02	106085	7.4	225		ROMEX WIRE PCB CONTAMINATED (COPPER WIRE)	8/19/2002	8/19/2002
PAD94C32364	CAS-18049	51303	11.4	130		EMPTY DAMAGED 17E PCB DRUM	6/9/1995	6/8/1995
PAD94C03540	CAS-10847	13209	7.4	187		GLASS BOTTLES	9/6/1990	9/6/1990
PAD94C21447	CAS-16622	30200	7.4	77		EMPTY 5G BUCKETS	8/13/1993	8/13/1993
PAD94C21335	CAS-14099	15761	7.4	106		BUCKETS/HOSE/RAGS	6/5/1991	6/5/1991
PAD95C02658	51913-01	51913	7.4	73		PADDING	9/17/1996	9/10/1996
PAD95C00642	CAS-17529	44495	7.4	106		EMPTY CONTAINERS	1/25/1995	9/30/1994
PAD94C30586	CAS-17473	36383	7.4	124		EMPTY SAMPLE CONTAINERS	5/24/1994	5/24/1994
PAD94C23109	CAS-14951	23588	7.4	286		HOSES	2/8/1992	2/8/1992
PAD94C21383	CAS-11286	8444	7.4	251		METAL RUST	12/11/1990	12/11/1990
PAD95C03627	55774-01	55774	7.4	60		METAL PANEL(3PH5) + PPE	10/16/1997	10/14/1997
PAD94C22098	CAS-14081	15759	7.4	506		PIPE	6/5/1991	6/5/1991
PAD94C21333	CAS-12840	11026	7.4	227		AUTOCLAVE METAL FROM C-333-A	4/30/1991	4/30/1991
PAD94C21393	CAS-14552	12561	7.4	80		MULTI UNIT HEATER	1/10/1991	1/10/1991
PAD94C22097	CAS-14095	15757	7.4	278		SCRAP METAL	6/5/1991	6/5/1991
PAD94C22104	CAS-14086	15759	7.4	390		PIPE	6/5/1991	6/5/1991
PAD94C21344	CAS-14090	15759	7.4	280		PIPE	6/5/1991	6/5/1991
PAD02C06874	106080-01	106080	7.4	180		COPPER WIRING	7/18/2002	7/18/2002
PAD94C15635	CAS-12579	15256	7.4	97		LIGHT FIXTURE	1/18/1991	1/18/1991
PAD94C21399	CAS-14691	18458	7.4	135		HOSES	11/15/1991	11/15/1991
PAD08C05376	107156-01	107156	7.4	79		MISCELLANEOUS WASTE FROM PCB TROUGHING ACTIVITIES.	11/13/2007	11/13/2007
PAD94C03545	CAS-14847	23583	7.4	148		HOSE/PLASTIC/VALVE	1/3/1992	11/7/1991
PAD95C00647	CAS-17538	45035	7.4	102		LIGHT FIXTURES	11/18/1994	11/18/1994
PAD94C02437	CAS-15037	18397	7.4	140		PIGS/PPE/HYPALON	3/18/1992	1/17/1992
PAD98C01102	58506-01	58506	7.4	89		PLASTIC SHEETING & LINERS	1/14/1998	1/14/1998
PAD95C01342	CAS-18124	51357	7.4	134		HYPALON	8/3/1995	8/1/1995
PAD94C22039	CAS-14952	23588	7.4	209		HOSES	2/8/1992	2/8/1992
PAD94C22041	CAS-14949	23588	7.4	189		HOSES	2/8/1992	2/8/1992
PAD94C22040	CAS-14948	23588	7.4	131		HOSES	2/8/1992	2/8/1992
PAD94C23107	CAS-14950	23588	7.4	190		HOSES	2/8/1992	2/8/1992
PAD96C00442	31912-01	31912	7.4	180		PLASTIC/CEMENT/PAINT IN 5-GALS	1/7/1994	1/7/1994
PAD94C23111	CAS-14953	23588	7.4	120		HOSES	2/8/1992	2/8/1992
PAD00C00469	103212-01	103212	4	89		PCB NON-COMBUSTIBLE GLASS	3/20/2000	1/24/2000
PAD99C00125	103054-01	103054	7.4	75		DAMAGED 30 GALLON DRUM LINER FROM ORIGINAL DRUM 63	9/27/1999	9/27/1999
PAD94C22150	CAS-16491	30807	7.4	426		STEEL CONDUIT	6/25/1993	6/25/1993

Manifest Number: 001754662 JJK
Shipment ID Number: 6202-15-0094
Shipment Date: 11/7/2008

Bulk Container Information

UHWM Section	RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	TID Number
Page 1 - 9b.1	107434	107434-04	PAD08C05348	Miscellaneous PCB Contaminated Debris including Empty Drums & Metal Debris	12/11/1984	540	16660	7556.81	0026862
Page 1 - 9b.2	107434	107434-05	PAD08C06037	Miscellaneous PCB Contaminated Debris including Empty Drums & Metal Debris	11/21/1988	540	20100	9117.16	0026861
		Totals	**2**			**1080**	**36760**	**16673.97**	

See attached Drum Lists for specific information for each drum loaded into bulk containers.

Manifest Number: 001754662 JJK
Shipment ID Number: 6202-15-0094
Shipment Date: 11/7/2008
Bulk Container ID Number: 107434-04

Barcode	WasteID	RFD	Net Vol	Gross Wt	um	Description	Origin Date	PCB Date
PAD94C22758	CAS-03667	122	11.4	671		CAST IRON PIPE FROM AUTOCLAVE	11/4/1986	11/4/1986
PAD94C25921	CAS-02270	3581	7.4	200		EMPTY GLASS JUGS	5/24/1985	5/24/1985
PAD94C22090	CAS-09931	4828	7.4	136		AUTO CLAVE, VALVES, HOSE	1/5/1990	1/5/1990
PAD94C25987	CAS-06174	4899	7.4	110		EMPTY DRUM/FUNNEL/50FT HOSE	5/9/1988	5/9/1988
PAD94C00528	CAS-09985	7954	7.4	74		PLASTIC	3/14/1990	3/15/1990
PAD94C00577	CAS-09986	7980	7.4	105		PLASTIC	5/7/1990	5/7/1990
PAD94C00529	CAS-09988	7980	7.4	106		EMPTY CAN W/THREE LIDS	5/7/1990	5/7/1990
PAD94C00313	CAS-08736	8377	7.4	127		SMALL TRANSF ON POWER SUPPLY	8/28/1989	8/28/1989
PAD94C21747	CAS-11143	9819	11.4	578		CAST IRON PIPE	11/29/1990	11/29/1990
PAD94C25762	CAS-14598	13212	7.4	455		SCRAP POTENTIAL DEVICE	9/13/1990	9/13/1990
PAD94C25749	CAS-14599	13212	7.4	458		SCRAP POTENTIAL DEVICE	9/13/1990	9/13/1990
PAD01C02992	CAS-15601	17614	11.4	224		EMPTY SAMPLE CONTAINERS	7/8/1992	7/8/1992
PAD01C02994	CAS-15610	17614	11.4	218		EMPTY SAMPLE CONTAINERS	7/8/1992	7/9/1992
PAD01C02991	CAS-15611	17614	11.4	189		EMPTY SAMPLE CONTAINERS	7/8/1992	10/13/1992
PAD94C03539	CAS-14787	18428	7.4	169		PLASTIC/PAPER/LABELS	12/6/1991	9/19/1991
PAD94C03700	CAS-08368	22008	7.4	213		VOLTAGE REGULATOR/PLASTIC	4/28/1992	10/21/1989
PAD01C03325	CAS-15713	23903	11.4	269		EMPTY SAMPLE CONTAINERS	10/30/1992	10/30/1992
PAD01C02678	CAS-15682	24395	11.4	154		EMPTY BUCKETS	7/9/1992	7/9/1992
PAD94C36886	CAS-16208	34643	7.4	201		PVC PIPE	4/19/1993	4/19/1993
PAD97C00921	35158-01	35158	0.67	25		PUMP AND MOTOR FROM SWITCHYARDS; PCB SUSPECT PUMP	7/25/1995	2/4/1997
PAD97C01828	44617-01	44617	0.67	14		PVC/RAGS	1/7/1998	10/28/1997
PAD95C01887	CAS-18084	49302	7.4	172		PLASTIC; HYPO LONG	6/30/1995	6/29/1995
PAD95C00582	CAS-18118	49305	7.4	265		EMPTY 5-GAL BUCKETS, CLAMPS,ETC	9/20/1995	9/20/1995
PAD95C01568	51322-02	51322	7.4	89		EMPTY SAMPLE BOTTLES	9/19/1995	9/21/1995
PAD95C10505	51345-01	51345	7.4	97		PLASTIC/PPE	5/28/1996	5/28/1996
PAD97C00730	55680-04	55680	11.4	126		EMPTY DRUMS	2/21/1997	2/21/1997
PAD97C00729	55680-05	55680	11.4	126		EMPTY DRUMS	2/21/1997	2/21/1997
PAD97C00728	55680-06	55680	11.4	125		EMPTY DRUMS	2/21/1997	2/21/1997
PAD97C00727	55680-07	55680	11.4	129		EMPTY DRUMS	2/21/1997	2/21/1997
PAD97C00721	55680-09	55680	11.4	129		EMPTY DRUMS	2/21/1997	2/21/1997
PAD97C00720	55680-10	55680	11.4	126		EMPTY DRUMS	2/21/1997	2/21/1997
PAD97C00719	55680-11	55680	11.4	123		EMPTY DRUMS	2/21/1997	2/21/1997
PAD97C00718	55680-12	55680	11.4	132		EMPTY DRUMS	2/21/1997	2/21/1997
PAD97C01592	55776-03	55776	11.4	131		EMPTY OVERPACKED DRUMS	10/29/1997	10/24/1997
PAD97C01587	55776-04	55776	11.4	119		EMPTY OVERPACKED DRUMS	10/29/1997	10/24/1997
PAD97C01586	55776-05	55776	11.4	139		EMPTY OVERPACKED DRUMS	10/29/1997	10/24/1997
PAD97C00707	55776-10	55776	11.4	134		EMPTY OVERPACKED DRUMS	10/29/1997	10/24/1997
PAD97C00771	61951-01	61951	7.4	108		PLASTIC/PAPER/TYVEK/KIMWIPES	4/7/1997	4/7/1997
PAD98C02722	61971-01	61971	7.4	139		METAL SCRAP (SMALL MISC. PIECES)	8/19/1998	5/9/1988
PAD94C24705	CAS-06368	92034	7.4	252		PLASTIC	9/15/1988	9/15/1988
PAD94C34933	CAS-02295	92056	11.4	518		CLEAN HYPALON FROM C-340 MEZZANINE.	12/11/1984	12/11/1984
PAD04C05018	101539-04	101539	11.4	132		PCB EMPTY DRUMS (NON-REUSABLE) FROM TSCAI 99-02.	8/31/1999	8/31/1999
PAD00C00214	103286-03	103286	4	285		EMPTY SAMPLE BOTTLES GENERATED FROM LDR 98007	4/19/1999	4/19/1999
PAD00C00348	103883-01	103883	7.4	185		MISCELLANEOUS METAL FROM AW-55.	9/7/2000	9/21/1989
PAD00C00354	103888-01	103888	7.4	117		HYPALON USED TO COVER SORTING TABLES AREA DURING A	9/19/2000	9/19/2000
PAD02C06873	106080-02	106080	7.4	151		COPPER WIRING	7/18/2002	7/18/2002
PAD02C06872	106080-03	106080	7.4	119		COPPER WIRING	7/18/2002	7/18/2002
PAD02C06759	106085-01	106085	7.4	116		ROMEX WIRE PCB CONTAMINATED (COPPER WIRE)	8/19/2002	8/19/2002
PAD03C01372	106086-02	106086	7.4	173		COPPER WIRE AND LIGHT FIXTURES	8/30/2002	8/30/2002
PAD03C01058	106087-01	106087	7.4	103		METAL LIGHT FIXTURES AND COMPONENTS; ROMEX WIRE -	9/10/2002	9/10/2002
PAD03C01055	106087-02	106087	7.4	109		METAL LIGHT FIXTURES AND COMPONENTS; ROMEX WIRE -	9/16/2002	9/16/2002
PAD03C01057	106087-03	106087	7.4	119		METAL LIGHT FIXTURES AND COMPONENTS; ROMEX WIRE -	9/18/2002	9/18/2002
PAD03C01056	106087-04	106087	7.4	139		METAL LIGHT FIXTURES AND COMPONENTS; ROMEX WIRE -	9/20/2002	9/20/2002
PAD03C01072	106087-05	106087	7.4	97		METAL LIGHT FIXTURES AND COMPONENTS; ROMEX WIRE -	9/23/2002	9/23/2002
PAD03C01071	106087-06	106087	7.4	87		METAL LIGHT FIXTURES AND COMPONENTS; ROMEX WIRE -	9/24/2002	9/24/2002
PAD03C01063	106087-07	106087	7.4	102		METAL LIGHT FIXTURES AND COMPONENTS; ROMEX WIRE -	10/4/2002	10/4/2002
PAD03C01040	106087-08	106087	7.4	102		METAL LIGHT FIXTURES AND COMPONENTS; ROMEX WIRE -	10/7/2002	10/7/2002
PAD03C01061	106087-09	106087	7.4	99		METAL LIGHT FIXTURES AND COMPONENTS; ROMEX WIRE -	10/7/2002	10/7/2002
PAD03C01061	106087-09	106087	7.4	99		METAL LIGHT FIXTURES AND COMPONENTS; ROMEX WIRE -	10/7/2002	10/7/2002
PAD03C01049	106087-10	106087	7.4	142		METAL LIGHT FIXTURES AND COMPONENTS; ROMEX WIRE -	10/7/2002	10/7/2002
PAD03C01041	106178-01	106178	7.4	272		COPPER WIRE AND CONDUIT	9/20/2002	9/20/2002
PAD03C01046	106251-01	106251	7.4	257		COPPER WIRE AND CONDUIT	10/7/2002	10/7/2002
PAD03C03084	106373-01	106373	4	43		EMPTY SAMPLE BOTTLES PREVIOUSLY CONTAINING PCB LIQ	12/3/2003	12/3/2003
PAD07C04014	108579-01	108579	4	62		PLASTIC FROM PCB SPILL CLEANUP. (USEC RFD 217405-0	8/14/1999	8/14/1999
PAD02C17584	110323-01	110323	14.8	160		CONTAMINATED MFL FREON CONTAINER AND RESIDUE. MAT	8/31/2001	12/27/2002
PAD07C04357	113896-01	113896	7.4	60		EMPTY PUNCTURED PCB-CONTAMINATED AEROSOL CANS	12/13/2007	9/25/1989

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754858 JJK
Shipment ID Number: 6202-15-0091
Shipment Date: 10/14/2008

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB START DATE (date removed from service)	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	Activity MBq	TID #1	TID #
53154	53154-05	PAD97C03704	C-533-3A SOIL & GRASS	01/13/98	96	8002	3629.63	123.509	E104302	E104297
58503	58503-03	PAD97C03695	C-540-A SOIL & GRASS	01/13/98	96	7938	3600.60	122.411	E104303	E104304
53154	53154-02	PAD97C03700	C-533-3A SOIL & GRASS	01/13/98	96	8166	3704.02	126.321	E104294	E104293
58503	58503-06	PAD97C03696	C-540-A SOIL & GRASS	01/14/98	96	7966	3613.30	122.891	E104286	E104285
53154	53154-07	PAD97C03694	C-533-3A SOIL & GRASS	01/13/98	96	7474	3390.13	114.454	E104300	E104301
	Totals	**5**			**480**	**39546**	**17938**	**609.59**		

BECHTEL JACOBS
Bechtel Jacobs Company LLC

December 31, 2008

Paducah Remediation Services
761 Veterans Avenue
Kevil, Kentucky 42053

Attention: Greg Shaia

WM-2008-0176

Subject: Certificate of Disposal 1907

Enclosed you will find a Certificate of Disposal for waste destroyed at the TSCA Incinerator. The enclosed Certificate of Disposal is listed below. Please sign, date and return the bottom portion of this letter upon receipt.

If you have any questions, please do not hesitate to call me at 865-241-9140.

Sincerely,

Jessica J. Calloway

Jessica J. Calloway
ETTP TSCA Incinerator

Enclosures: COD# 1907 – DAC 209220

Cc: K. Seaton w/1
File – Incinerator Waste Management Group – RC
File–EMEF DMC–RC

RECEIVED
JAN 16 2009
BY:

I have received the following Certificate of Disposal for waste destroyed at the TSCA Incinerator.

COD# 1907 – DAC 209220

Signature

1/12/09
Date Received

CERTIFICATE OF DISPOSAL

COD# 1907

DISPOSAL FACILITY NAME:	US DOE K-25 Site (ETTP) P.O. Box 4699 Oak Ridge, TN 37831
EPA ID#:	TN0890090004
Reference Manifest Number(s):	1754660JJK
Generator Facility:	Paducah Gaseous Diffusion Plant P.O. Box 1410 Paducah, Kentucky

I certify that the following identified RCRA hazardous liquid waste, excluding the drums, was properly treated in an incinerator compliant with and for which such treatment is applicable under 40 CFR 268, Subpart D and the following identified PCB liquid waste, excluding the drums, was properly disposed in an incinerator which complies with 40 CFR 761.70 on 12/27/2008.

Request for Disposal	Container Numbers
209220	Shipment #0001 (Tanker)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as a company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

TSCA Incinerator Manager

12/31/2008

Date Issued

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	5	1-270-441-6211	001754660 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
ETTP TSCA Incinerator
Blair Road, Oak Ridge, TN 37831
Facility's Phone: 1-865-241-3197
U.S. EPA ID Number: TN0890090004

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. NA3082, Hazardous waste, liquid, n.o.s (PCB, Xylene), 9, PG-III	1	TT	10029	K	F001 F002 F003 F005 D018 D021
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 323 Tanker: EC8619 TID#s: 0026007 + 0026008 Accumulation Start Date: 10/31/2005 PCB Start Date: 10/8/2004
ERG # 171 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator
See PCB Attachment for Additional Info. Certificate of Treatment/Disposal Required DAC Number: 209220

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE — Signature: Carrie Maxie — Month: 11 Day: 13 Year: 08

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month: 11 Day: 13 Year: 08

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

RECEIVED NOV 24 2008 BY: TS

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Bryan Schatz on behalf of US DOE — Signature: Bryan Schatz — Month: 11 Day: 13 Year: 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB ATTACHMENT
PGDP MANIFEST NUMBER 001754660 JJK
SHIPMENT DATE: November 13, 2008

TSCA DAC No.	PGDP RFD Nos.	Waste Type	PCB DATE REMOVED FROM SERVICE	Gallons Estimated	NET WEIGHT lbs. Estimated	NET WEIGHT kgs. Estimated
209220	106134	Water/ Oil/ Organic Solvent Mixture (Multiple containers bulked for shipment listed on the following pages)	10/8/2004	3088.15	22110	10029
	107314					
	108520					
	108521					
	108838					
	108848					
	108855					
	108862					
	108883					
	108887					
	108889					
	108890					
	108893					
	108952					
	108957					
	108961					
	109042					
	109055					
	109056					
	109057					
	109067					
	109165					
	115555					
	115993					
	116194					
	116221					
	116553					
	116555					
	116611					
	116612					
	116622					
	116656					
	116937					
	116941					
	118019					
	120761					
	120843					
	123107					

PCB ATTACHMENT
PGDP MANIFEST NUMBER 001754660 JJK
SHIPMENT DATE: November 13, 2008

RFD	Container/ Waste ID	Description	PCB Date Removed from Storage	Accumulation Start Date	EPA Waste Codes	Gross Wt (lb)	Gross Wt (Kg)
106134	106134-01	USED HYDRAULIC OIL FROM DRUM MOUNTAIN PROJECT		10/30/06	D006 D008 D018	389	176.45
106134	106134-02	USED HYDRAULIC OIL FROM DRUM MOUNTAIN PROJECT		10/30/06	D006 D008 D018	377	171.00
106134	106134-03	USED HYDRAULIC OIL FROM DRUM MOUNTAIN PROJECT		10/30/06	D006 D008 D018	369	167.37
106134	106134-04	USED HYDRAULIC OIL FROM DRUM MOUNTAIN PROJECT		10/30/06	D006 D008 D018	384	174.18
106134	106134-05	USED HYDRAULIC OIL FROM DRUM MOUNTAIN PROJECT		10/30/06	D006 D008 D018	413	187.33
106134	106134-06	USED HYDRAULIC OIL FROM DRUM MOUNTAIN PROJECT		10/30/06	D006 D008 D018	393	178.26
106134	106134-07	USED HYDRAULIC OIL FROM DRUM MOUNTAIN PROJECT		10/30/06	D006 D008 D018	421	190.96
106134	106134-08	USED HYDRAULIC OIL FROM DRUM MOUNTAIN PROJECT		10/30/06	D006 D008 D018	262	118.84
106134	106134-09	USED HYDRAULIC OIL FROM DRUM MOUNTAIN PROJECT		10/30/06	D006 D008 D018	389	176.45
106134	106134-10	USED HYDRAULIC OIL FROM DRUM MOUNTAIN PROJECT		10/30/06	D006 D008 D018	394	178.71
106134	106134-11	USED HYDRAULIC OIL FROM DRUM MOUNTAIN PROJECT		10/30/06	D006 D008 D018	388	175.99
106134	106134-12	USED HYDRAULIC OIL FROM DRUM MOUNTAIN PROJECT		10/30/06	D006 D008 D018	277	125.64
107314	107314-01	DECON WATER FROM BGOU BORING 007-010		11/12/07	F001 F002 U228	225	102.06
108520	108520-01	LIQUID LAB WASTE (SOLVENT CONTAMINATED WASTE OIL).	10/08/04	08/22/06	D001 F002 F003 F005	42	19.05
108521	108521-01	LIQUID LAB WASTE (LUBE OIL/SOLVENT CONT. WASTE OIL).	02/04/05	08/22/06	D001 F002 F003 F005	45	20.41
108838	108838-01	USED MOTOR OIL AND HYDRAULIC FLUID FROM SCHEDULED MAINTENANCE ON TRACK MOUNTED EXCAVATORS.		11/29/06	D006 D008 D018	426	193.23
108838	108838-02	USED MOTOR OIL AND HYDRAULIC FLUID FROM SCHEDULED MAINTENANCE ON TRACK MOUNTED EXCAVATORS.		11/29/06	D006 D008 D018	86	39.01
108848	108848-01	KEROSENE/WATER - MOSTLY WATER WITH SMALL AMOUNT OF KEROSENE		10/25/06	D001	409	185.52
108848	108848-02	KEROSENE/WATER - MOSTLY WATER WITH SMALL AMOUNT OF KEROSENE		10/25/06	D001	439	199.13
108848	108848-03	KEROSENE/WATER - MOSTLY WATER WITH SMALL AMOUNT OF KEROSENE		10/25/06	D001	408	185.06
108848	108848-04	KEROSENE/WATER - MOSTLY WATER WITH SMALL AMOUNT OF KEROSENE		10/25/06	D001	401	181.89
108848	108848-05	KEROSENE/WATER - MOSTLY WATER WITH SMALL AMOUNT OF KEROSENE		10/25/06	D001	390	176.90
108848	108848-06	KEROSENE/WATER - MOSTLY WATER WITH SMALL AMOUNT OF KEROSENE		10/25/06	D001	423	191.87
108848	108848-07	KEROSENE/WATER - MOSTLY WATER WITH SMALL AMOUNT OF KEROSENE		10/25/06	D001	247	112.04
108855	108855-01	MOTOR OIL FROM FORK LIFTS		08/24/06	D006 D008	402	182.34
108855	108855-02	MOTOR OIL FROM FORK LIFTS		05/01/07	D006 D008	360	163.29
108862	108862-01	VENTILATION DUCT OIL	05/10/06	05/10/06	D007	490	222.26
108883	108883-01	VENTILATION DUCT LIQUID	07/12/06	07/12/06	D007	463	210.01
108883	108883-02	VENTILATION DUCT LIQUID	08/03/06	08/03/06	D007	455	206.38
108887	108887-01	PCB VENTILATION DUCT LIQUID DRAINED FROM TROUGHS	09/18/06	09/18/06	D007	471	213.64

PCB ATTACHMENT
PGDP MANIFEST NUMBER 001754660 JJK
SHIPMENT DATE: November 13, 2008

RFD	Container/ Waste ID	Description	PCB Date Removed from Storage	Accumulation Start Date	EPA Waste Codes	Gross Wt (lb)	Gross Wt (Kg)
108887	108887-02	PCB VENTILATION DUCT LIQUID DRAINED FROM TROUGHS	09/18/06	09/18/06	D007	429	194.59
108889	108889-01	PCB VENTILATION DUCT LIQUID	10/02/06	10/02/06	D007	417	189.15
108890	108890-01	VENTILATION DUCT LIQUID	01/08/07	01/08/07	D007	454	205.93
108893	108893-01	VENTILATION DUCT LIQUID DRAINED FROM TROUGHS.	01/09/07	01/09/07	D007	418	189.60
108893	108893-02	VENTILATION DUCT LIQUID DRAINED FROM TROUGHS.	05/21/07	05/21/07	D007	422	191.41
108893	108893-03	VENTILATION DUCT LIQUID DRAINED FROM TROUGHS.	07/09/07	07/09/07	D007	427	193.68
108893	108893-04	VENTILATION DUCT LIQUID DRAINED FROM TROUGHS.	07/18/07	07/18/07	D007	418	189.60
108893	108893-05	VENTILATION DUCT LIQUID DRAINED FROM TROUGHS.	09/19/07	09/19/07	D007	412	186.88
108893	108893-06	VENTILATION DUCT LIQUID DRAINED FROM TROUGHS.	10/31/07	10/31/07	D007	450	204.12
108893	108893-07	VENTILATION DUCT LIQUID DRAINED FROM TROUGHS.	12/19/07	12/19/07	D007	444	201.39
108952	108952-01	PCB OIL FROM SPARE B983142. GENERATED DURING TESTING OF OIL DRYER EQUIPMENT IN C-337.	08/30/06			271	122.92
108957	108957-01	DRYER. EQUIPMENT USED TO DRY OIL IN TRANSFORMERS. SOLUTION WAS PRESENT IN DRYER FROM MANUFACTURER AND	12/10/06	02/13/07	D018 D021 D027 D039 D040	258	117.03
108961	108961-01	LIQUID LAB WASTE	06/26/06	02/05/07	D001 F003 F005	41	18.60
108961	108961-02	LIQUID LAB WASTE	11/02/05	02/05/07	D001 F003 F005	41	18.60
108961	108961-03	LIQUID LAB WASTE	03/14/06	02/05/07	D001 F003 F005	41	18.60
109042	109042-01	PURGE WATER FROM WELLS CLOSE TO C-400 (MW406, MW407, MW408).		10/10/07	F001 F002 U228	40	18.14
109055	109055-01	WASTE OIL / HYDRAULIC FLUID FROM PROCESSING OF WASTE FORKLIFTS.		01/09/07	D006 D008 D018	417	189.15
109055	109055-02	WASTE OIL / HYDRAULIC FLUID FROM PROCESSING OF WASTE FORKLIFTS.		01/09/07	D006 D008 D018	441	200.03
109055	109055-03	WASTE OIL / HYDRAULIC FLUID FROM PROCESSING OF WASTE FORKLIFTS.		02/12/07	D006 D008 D018	284	128.82
109056	109056-01	GASOLINE REMOVED DURING PROCESSING OF WASTE FORKLIFTS		12/19/06	D001 D018	164	74.39
109057	109057-01	DIESEL REMOVED DURING PROCESSING OF WASTE FORKLIFTS		01/11/07	D001 D018	152	68.95
109057	109057-02	DIESEL REMOVED DURING PROCESSING OF WASTE FORKLIFTS		01/18/07	D001 D018	275	124.74
109067	109067-01	KEROSENE / WATER REMOVED FROM HEATERS DURING SERVICING BY SWIFT AND STALEY.		04/26/07	D001	72	32.66
109165	109165-01	DRUM OF OIL FOR TSCAL07-01 COMPOSITE SAMPLE DRUM.	03/17/08	03/17/08	D001 D006 D007 D008 D010 D018 D021 D027 D035 D039 D040 F001 F002 F003 F005 U228	-----	-----
109166	109166-01	WATER-BASED SOLUTION FROM TSCAL07-01 COMPOSITE SAMPLE DRUM.	03/17/08	03/17/08	D001 D006 D007 D008 D010 D018 D021 D027 D035 D039 D040 F001 F002 F003 F005 U228	-----	-----
115555	115555-01	OILY LIQUID IN CONTAINER		06/06/06	D010 D018 D035 F001	25	11.34
115993	115993-01	USED MOTOR OIL FROM NW SCRAPYARD		01/24/07	D006 D007 D008 D018	438	198.67
115993	115993-02	USED MOTOR OIL FROM NW SCRAPYARD		01/24/07	D006 D007 D008 D018	431	195.50
115993	115993-03	USED MOTOR OIL FROM NW SCRAPYARD		01/24/07	D006 D007 D008 D018	395	179.17
115993	115993-04	USED MOTOR OIL FROM NW SCRAPYARD		01/24/07	D006 D007 D008 D018	477	216.36
115993	115993-05	USED MOTOR OIL FROM NW SCRAPYARD		01/24/07	D006 D007 D008 D018	89	40.37

PCB ATTACHMENT
PGDP MANIFEST NUMBER 001754660 JJK
SHIPMENT DATE: November 13, 2008

RFD	Container/ Waste ID	Description	PCB Date Removed from Storage	Accumulation Start Date	EPA Waste Codes	Gross Wt (lb)	Gross Wt (Kg)
116194	116194-01	RESIDUAL LUBE OIL		06/07/06	D006 D008	30	13.61
116221	116221-01	USED OIL	06/06/06	06/06/06	D006 D008	158	71.67
116553	116553-01	WASTE OIL		05/23/06	D006 D010	262	118.84
116555	116555-01	USED STEAM TURBINE OIL		01/31/07	D006 D008	399	180.98
116611	116611-01	RCRA MIXED OIL (C410_0294 WID#). (CHLOR-N-OIL SCREEN INDICATES PCB ~50 PPM).	07/18/06	07/18/06	D006 D008 D018	70	31.75
116612	116612-01	EQUIPMENT DISMANTLEMENT (REFERENCE WASTE ID # C410_175)		10/31/05	D006 D008 D018	192	87.09
116622	116622-01	USED OIL (SEE WASTE ID # C410_0028)	03/02/06	03/02/06	D006 D008 D018	187	84.82
116656	116656-01	USED OIL - RESIDUAL LUBE OIL		02/08/07	D006 D008	9	4.08
116937	116937-01	ELEC TRANSFORMER OIL		04/12/07	D006 D008	374	169.64
116937	116937-02	ELEC TRANSFORMER OIL		04/12/07	D006 D008	378	171.46
116937	116937-03	ELEC TRANSFORMER OIL		04/12/07	D006 D008	393	178.26
116937	116937-04	ELEC TRANSFORMER OIL		04/12/07	D006 D008	363	164.65
116937	116937-05	ELEC TRANSFORMER OIL		04/12/07	D006 D008	356	161.48
116937	116937-06	ELEC TRANSFORMER OIL		04/12/07	D006 D008	293	132.90
116941	116941-01	OIL FROM MOTOR GEAR BOXES.		08/30/07	D006 D008	134	60.78
118019	118019-01	SOURCES		10/31/06	D006 D008 D018	373	169.19
118019	118019-02	SOURCES		10/31/06	D006 D008 D018	382	173.27
118019	118019-03	SOURCES		10/31/06	D006 D008 D018	389	176.45
120761	120761-01	NON-PCB OILS		08/09/07	D006 D018	372	168.74
120761	120761-02	NON-PCB OILS		08/09/07	D006 D018	393	178.26
120761	120761-03	NON-PCB OILS		08/09/07	D006 D018	396	179.62
120761	120761-04	NON-PCB OILS		08/09/07	D006 D018	386	175.09
120761	120761-05	NON-PCB OILS		08/09/07	D006 D018	385	174.63
120761	120761-06	NON-PCB OILS		08/09/07	D006 D018	216	97.98
120843	120843-01	LIQUID LAB WASTE (DATA ATTACHED) 2 PHASE.	05/14/07	05/14/07	D001 D040 F003 F005	20	9.07
123107	123107-01	FLAMMABLE LIQUID CONSOLIDATED FROM PUNCTURING OF AEROSOL CANS (116230-01, 108835-01, 109092-01).		03/15/06	D001	103	46.72

Note:
Volume and weight of the composite samples were previously accounted for.

ENERGYSOLUTIONS

CERTIFICATE OF DISPOSAL

3 mi. S. Ext. 49, I-80 Clive, Utah
84029 EPA ID: UT982598898

DOE, PGDP/Paducah,

This Certificate acknowledges that the following manifested shipments:

Shipment	Manifest	Date(s) of Disposal	Cu/Ft	Process	Disposal Location
6202-14-0002	N/A	9/30/2008	96	Landfill	Mixed Waste

Manifest - 001754664

JAN 13 2009

TS

Representing 96 Cubic feet of waste disposed of at EnergySolutions' above listed Disposal Facility landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse C. Garcia
Director Of Mixed Waste Operations

10/8/08
Date

423West 300 South, Salt Lake City, Utah 84101 Telephone (801)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754664 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Specialty Transport Inc. — U.S. EPA ID Number: TNR000011247

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, surface contaminated objects (SCO-II), 7, UN2913, Np-237, Tc-99, Th-230, U-234, U-235, U-238, Solid/Oxide, 582 MBq, Fissile Excepted	1	CM	172	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 349 Trailer: 4832 TID: See PCB Attachment — PCB Start Date: 12/11/03
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 — If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info — Shipment ID: 6202-14-0002

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on Behalf of US DOE — Signature: Carrie Maxie — Month: 11 Day: 05 Year: 08

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: See BOL for Shipment 8007-08 10150 for Signatures — Signature: — Month: Day: Year:

Transporter 2 Printed/Typed Name — Signature — Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

RECEIVED
DEC 02 2008
BY: TS

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Justin Lee — Signature: — Month: 12 Day: 31 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED).

PCB and Additional Information Attachment, Page 2 of 2

Shipment ID Number: 6202-14-0002
Manifest Number: 001754664 JJK
Shipment Date: 9/5/2008

RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Total Activity (MBq)
106695	106695-01	PAD03C03036	EMPTY PLASTIC CONTAINERS	12/11/2003	96	1180	535.24	581.79
Totals	**1**				**96**	**1180**	**535.24**	**581.79**

Note: Container Shipped with a BOL under Shipment 8007-08-0150 as LLW Debris

ENERGYSOLUTIONS

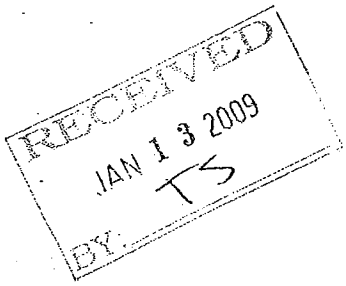
CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80
Clive, Utah 84029
EPA ID: UT982598898

DOE, PGDP/Paducah,

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	Manifest	Disposal Date	Volume (Cu/Ft)	Process	Disposal Location
6202-15-0095	54666	12/12/2008	301.5	Landfill	Mixed Waste
6202-15-0096	54674	12/30/2008	30.0	Landfill	Mixed Waste
6202-15-0097	54675	12/30/2008	45.0	Landfill	Mixed Waste
6202-15-0098	54673	12/31/2008	1,360.0	Landfill	Mixed Waste



The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Jesse Garcia
Director of MW Operations

1/7/09
Date

423 West 300 South, Salt Lake City, Utah 84101 Telephone (801) 649-2000

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
KY 8890008982	2	1-270-441-6211	001754666 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services — U.S. EPA ID Number: TND987783085

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility Bulk Waste
US I-80 Exit 49, Clive, UT 84029 EPA 11-21-08
Facility's Phone: 1-435-884-0155
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, RQ (PCB), Am-241, Np-237, Tc-99, Th-228, Th-230, U-Dep, Solid/Oxide, 221 MBq	40	DM	5856	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck:138B Trailer: W49551 TID: 0552061
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 12/12/89
If undeliverable, return to generator
Shipment ID: 6202-15-0005

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE — Signature: Carrie Maxie — Month 11 Day 21 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gerald E Condon — Signature — Month 11 Day 21 Year 08

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

RECEIVED DEC 18 2008

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Justin Lee — Signature — Month 11 Day 21 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **DESIGNATED FACILITY TO GENERATOR**

Manifest Number: 001754666 JJK

Shipment ID Number: 6202-15-0095

Shipment Date: 11/21/2008

Container / WASTE ID	Barcode Number	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
123117-01	PAD08C05310	OILY ROCKS FROM C-533 SWITCHYARD.	04/17/08	7.4	374	169.64	5.453
45244-01	PAD95C01085	PAPER/PLASTIC/SOIL/GLASS	09/19/95	7.4	168	76.20	1.921
52839-02	PAD98C01692	SOIL	01/22/90	7.4	620	281.23	9.672
52839-06	PAD96C00457	SOIL	12/12/89	7.4	102	46.27	0.789
52840-01	PAD96C00450	SOIL	06/14/90	7.4	113	51.26	0.978
56702-01	PAD98C01693	SOIL	01/18/88	7.4	413	187.33	6.122
CAS-11130	PAD94C03106	DIRT	11/29/90	7.4	909	412.31	13.256
CAS-11140	PAD94C21719	DIRT	11/29/90	7.4	764	346.54	10.770
CAS-14074	PAD94C22096	PIPE/SOIL	06/05/91	7.4	316	143.33	4.459
CAS-14075	PAD94C21337	PIPE/SOIL	06/05/91	7.4	407	184.61	6.019
CAS-14076	PAD94C22108	PIPE/SOIL	06/05/91	7.4	438	198.67	6.551
CAS-14077	PAD94C21342	PIPE/SOIL	06/05/91	7.4	418	189.60	6.208
CAS-14078	PAD94C21341	PIPE/SOIL	06/05/91	7.4	400	181.44	5.899
CAS-14079	PAD94C22100	PIPE/SOIL	06/05/91	7.4	418	189.60	6.208
CAS-14080	PAD94C22101	PIPE/SOIL	06/05/91	7.4	360	163.29	5.213
CAS-15376	PAD94C02906	PPE AND PLASTIC ASSOCIATED WITH SOIL BORINGS.	04/10/91	7.4	130	58.97	1.269
CAS-15377	PAD94C02934	PPE/PLASTIC	04/11/91	7.4	119	53.98	1.080
CAS-15378	PAD94C02905	LAB RESIDUE	04/11/91	7.4	359	162.84	5.196
CAS-15379	PAD94C02933	LAB RESIDUE	05/16/91	7.4	295	133.81	4.099
CAS-15380	PAD94C02907	LAB RESIDUE	08/26/91	7.4	348	157.85	5.008
CAS-15381	PAD01C03304	LAB RESIDUE	04/22/92	7.4	335	151.95	3.413
CAS-15382	PAD01C02664	LAB RESIDUE	04/22/92	7.4	168	76.20	0.549
CAS-16506	PAD94C02306	ASPHALT	06/23/93	7.4	342	155.13	4.905
CAS-17024	PAD94C22813	PAPER/PLASTIC/GLASS/SOIL	12/21/93	7.4	156	70.76	1.715
CAS-17429	PAD95C01812	SOIL	07/27/94	7.4	645	292.57	10.101
CAS-17430	PAD01C02825	SOIL FROM ER CONSTRUCTION STAGING AREA POLE LINE	07/27/94	7.4	715	324.32	9.929
CAS-17431	PAD94C30704	SOIL	07/27/94	7.4	595	269.89	9.243
CAS-17432	PAD95C01816	SOIL	07/27/94	7.4	641	290.75	10.032
CAS-17433	PAD95C01814	SOIL	07/28/94	7.4	715	324.32	11.301
CAS-17434	PAD94C30700	SOIL	07/28/94	7.4	633	287.12	9.895
CAS-17435	PAD95C01817	SOIL	07/28/94	7.4	405	183.70	5.985
CAS-17436	PAD95C01815	SOIL	07/28/94	7.4	228	103.42	2.950
CAS-17437	PAD94C30707	SOIL	07/28/94	7.4	631	286.22	9.861
CAS-17438	PAD94C30701	SOIL	07/28/94	7.4	655	297.10	10.272
CAS-17439	PAD94C30702	SOIL	07/28/94	7.4	679	307.99	10.684
CAS-17532	PAD95C00635	PAPER/PLASTIC/GLASS/SOIL	12/14/94	7.4	179	81.19	2.109
CAS-18038	PAD05C06234	SOIL FOR PCB TREATABILITY STUDY	04/13/95	0.67	30	13.61	0.309
CAS-18038A	PAD95C01623	SOIL FOR PCB TREATABILITY STUDY	04/13/95	0.67	13	5.90	0.017
CAS-18039	PAD95C10509	SOIL FOR PCB TREATABILITY STUDY; SOIL/PPE	04/13/95	0.67	31	14.06	0.326
CAS-18085	PAD95C01344	PAPER/PLASTIC/GLASS/SOIL	05/25/95	7.4	152	68.95	1.646
Totals	**40**			**275.81**	**15419**	**6993.90**	**221.41**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	2	1-270-441-6211	001754674 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hillman Transport Services — U.S. EPA ID Number: TND987783065

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone:
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Am-241, Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 404 MBq, Fissile Excepted	3	DM	69	K	
X	2. Radioactive material, low specific activity (LSA-II), 7, UN3321, RQ(PCB), Am-241, Tc-99, Th-230, U-234, Solid/Oxide, 116 MBq, Fissile Excepted	1	DM	27	K	
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 010 Trailer: 135281 TID: 0552054 PR05674 — PCB Start Date: 01/09/95
ERG # 162 In the event of an RQ Release, call 1-800-424-8802 — If undeliverable, return to generator
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info — Shipment ID: 6202-15-0086

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE — Signature: Carrie Maxie — Month 12 Day 15 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Debbie Collins — Signature: Debbie Collins — Month 12 Day 15 Year 08

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number: U.S. EPA ID Number

RECEIVED JAN 13 2009 BY:

18b. Alternate Facility (or Generator)
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129	H129		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J.G. ARNER — Signature — Month 12 Day 12 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 001754674JJK

Shipment ID Number: 6202-15-0096

Shipment Date: 12/15/2008

Container / WASTE ID	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
42728-01	PPE/PADS/RAGS	01/09/95	7.4	94	42.64	100.388
107531-01	PCB SPILL CLEANUP DEBRIS: PPE, RAGS, PLASTIC, SCRUB PADS, PADS.	09/29/03	7.4	105	47.63	129.448
108988-01	PCB SOLIDS FROM SPILL CLEANUP (PPE, RAGS, PADS, MOPS)	09/24/07	7.4	122	55.34	174.358
09043-01	TRASH	12/13/00	7.4	115	52.16	116.154
Totals			**29.6**	**436**	**197.77**	**520.35**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: KY 8890008982
2. Page 1 of: 2
3. Emergency Response Phone: 1-270-441-6211
4. Manifest Tracking Number: 001754675 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name: Hittman Transport Services
U.S. EPA ID Number: TND987783085

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Bulk Waste Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone:
U.S. EPA ID Number: UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Radioactive material, low specific activity (LSA-I), 7, UN2912, Np-237, Pu-239, Tc-99, Th-230, U-Dep, Solid/Oxide, 1 MBq, Fissile Excepted	6	DM	210	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Truck: 010A Trailer: U35281 TID: 0552054 PR05673
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info
PCB Start Date: 12/01/93
If undeliverable, return to generator
Shipment ID: 6202-15-0097

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaChelle Tolfree on behalf of DOE
Signature:
Month: 12 Day: 15 Year: 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Debbie Collins
Signature: Debbie Collins
Month: 12 Day: 15 Year: 08
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
U.S. EPA ID Number:

RECEIVED JAN 13 2009

18b. Alternate Facility (or Generator)
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: J. GARNER
Signature:
Month: 12 Day: 17 Year: 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

PCB & Additional Information Attachment, Page 2 of 2
Manifest Number: 001754675JJK
Shipment ID Number: 6202-15-0097
Shipment Date: 12/12/2008

Container / WASTE ID	Description	PCB Date to Storage	Barcode Number	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Activity MBq
HC-1623	PLASTIC BALLS/OIL RESIDUE	12/1/1993	PAD94C03646	7.4	139	63.05	0.139
HC-1624	PLASTIC BALLS/OIL RESIDUE	12/1/1993	PAD94C03647	7.4	139	63.05	0.139
HC-1620	PLASTIC BALLS/OIL RESIDUE	12/1/1993	PAD94C03648	7.4	131	59.42	0.126
HC-1621	PLASTIC BALLS/OIL RESIDUE	12/1/1993	PAD94C03678	7.4	128	58.06	0.121
HC-1622	PLASTIC BALLS/OIL RESIDUE	12/1/1993	PAD94C03679	7.4	125	56.70	0.116
HC-1619	PLASTIC BALLS/OIL RESIDUE	12/1/1993	PAD94C03680	7.4	136	61.69	0.134
Totals			**6**	**44.40**	**798.00**	**361.96**	**0.77**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	KY 8890008982	3	1-270-441-6211	001754673 JJK

GENERATOR

5. Generator's Name and Mailing Address
U.S. DOE c/o Paducah Remediation Services
761 Veterans Avenue, Kevil, KY 42053
Generator's Phone: 1-270-441-5000

Generator's Site Address (if different than mailing address)
U.S. DOE c/o Paducah Remediation Services,
Paducah Gaseous Diffusion Plant, 5600 Hobbs Rd,
Kevil, KY 42053

6. Transporter 1 Company Name
Paducah & Louisville Railway, Inc

U.S. EPA ID Number
KYD000735845 ~~051501702016~~ 3/8/09

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnergySolutions Clive Disposal Site-Treatment Facility
US I-80 Exit 49, Clive, UT 84029
1-435-884-0155
Facility's Phone:

U.S. EPA ID Number
UTD982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. Radioactive material, low specific activity (LSA-II), 7, UN3321, (PCB, Asbestos), Am-241, Pu-238, Pu-239, Th-230, U-234, Solid/Oxide,22299 MBq, Fissile Excepted	1	CM	8031	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Railcar: GIMX516196
ERG # 162 In the event of an RQ Release, call 1-800-424-8802
EXCLUSIVE USE SHIPMENT, See PCB Attachment for Additional Info

PCB Start Date: 11/04/86
If undeliverable, return to generator
Shipment ID: 6202-15-0098

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Carrie Maxie on behalf of USDOE | Signature: Carrie Maxie | Month 12 | Day 10 | Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Carrie Maxie on behalf of P&L | Signature: Carrie Maxie | Month 12 | Day 10 | Year 08

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

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19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Justin Lee | Signature | Month 12 | Day 22 | Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

PCB and Additional Information Attachment, Page 2 of 3

Manifest Number: 001754673JJK
Shipment ID Number: 6202-15-0098
Shipment Date: 12/10/2008

Bulk Container Information

UHWM Section	RFD	Container / WASTE ID	Barcode Number	DESCRIPTION	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt Kg	TID Number
Page 1 - 9b.1	117036	117038-01	PAD08C05347	Miscellaneous PCB Contaminated Debris including Empty Drums, Metal Debris, Lab Trash, PPE, Paper, and Plastic	11/4/1986	534.2	22400	10160.42	0010410, 0010446
		Totals	**1**			**534.2**	**22400**	**10160.42**	

See attached Drum List for specific information for each drum loaded into bulk container

Drum List Attachment, Page 3 of 3
Manifest Number: 001754673JJK
Shipment ID Number: 6202-15-0098
Shipment Date: 12/10/2008
Bulk Container ID Number: 117038-01

Barcode	WID	RFD	NET VOL m³	GROSS WT lbs	GROSS WT Kg	WASTE DESCRIPTION	PCB START DATE
PAD94C02501	CAS-16673	41366	11.4	135	61.24	EMPTY DRUM (FROM SPILL)	11/22/1993
PAD94C26129	CAS-03669	122	11.4	470	213.19	CAST IRON PIPE FROM AUTOCLAVE	11/4/1986
PAD94C02573	CAS-12759	10862	7.4	98	44.45	EMPTY 5 GAL PAILS	3/26/1991
PAD94C22759	CAS-03666	122	11.4	611	277.15	CAST IRON PIPE FROM AUTOCLAVE	11/4/1986
PAD94C22746	CAS-03668	122	11.4	679	307.99	CAST IRON PIPE FROM AUTOCLAVE	11/4/1986
PAD94C24294	CAS-14786	11075	7.4	155	70.31	SAW BLADES/PPE/PLASTIC	12/4/1991
PAD94C24966	CAS-14970	23590	7.4	159	72.12	PLASTIC/METAL/PPE	3/9/1992
PAD94C24296	CAS-14941	11088	7.4	133	60.33	PLASTIC	2/13/1992
PAD94C24295	CAS-14946	18471	7.4	233	105.69	DEBRIS/RAGS/BUCKET	2/5/1992
PAD94C22572	CAS-03670	122	11.4	531	240.86	CAST IRON PIPE FROM AUTOCLAVE	11/4/1986
PAD94C22935	CAS-09677	9288	7.4	181	82.10	METAL PARTS PER SAMPLING	12/31/1989
PAD94C22872	CAS-09720	8157	7.4	123	55.79	DEBRIS/PLASTIC/PVC PIPE	10/31/1989
PAD94C22523	CAS-03672	122	11.4	400	181.44	CAST IRON PIPE FROM AUTOCLAVE	11/4/1986
PAD94C22524	CAS-03673	122	11.4	508	230.43	CAST IRON PIPE FROM AUTOCLAVE	11/4/1986
PAD95C00363	CAS-17911	42693	7.4	337	152.86	SCRAPMETAL (nuts, bolts, washers, small metal)	1/4/1995
PAD95C00364	CAS-17915	42693	7.4	281	127.46	SCRAPMETAL (nuts, bolts, washers, small metal)	1/4/1995
PAD95C00370	CAS-17901	42693	7.4	350	158.76	SCRAPMETAL (nuts, bolts, washers, small metal)	1/4/1995
PAD95C00371	CAS-17902	42693	7.4	295	133.81	SCRAPMETAL (nuts, bolts, washers, small metal)	1/4/1995
PAD95C00375	CAS-17903	42693	7.4	592	268.53	SCRAPMETAL (nuts, bolts, washers, small metal)	1/4/1995
PAD95C00374	CAS-17905	42693	7.4	462	209.56	SCRAPMETAL (nuts, bolts, washers, small metal)	1/4/1995
PAD95C00367	CAS-17910	42693	7.4	480	217.73	SCRAPMETAL (nuts, bolts, washers, small metal)	1/4/1995
PAD95C00362	CAS-17912	42693	7.4	367	166.47	SCRAPMETAL (nuts, bolts, washers, small metal)	1/4/1995
PAD95C00372	CAS-17904	42693	7.4	271	122.93	SCRAPMETAL (nuts, bolts, washers, small metal)	1/4/1995
PAD95C00368	CAS-17906	42693	7.4	386	175.09	SCRAPMETAL (nuts, bolts, washers, small metal)	1/4/1995
PAD95C00366	CAS-17907	42693	7.4	457	207.30	SCRAPMETAL (nuts, bolts, washers, small metal)	1/4/1995
PAD95C00365	CAS-17908	42693	7.4	490	222.26	SCRAPMETAL (nuts, bolts, washers, small metal)	1/4/1995
PAD95C00369	CAS-17909	42693	7.4	353	160.12	SCRAPMETAL (nuts, bolts, washers, small metal)	1/4/1995
PAD95C00373	CAS-17914	42693	7.4	393	178.26	SCRAPMETAL (nuts, bolts, washers, small metal)	1/4/1995
PAD94C21787	CAS-06139	6346	11.4	389	176.45	CAST IRON DRAIN PIPE	12/7/1987
PAD94C21797	CAS-11142	9819	11.4	505	229.07	CAST IRON PIPE	11/29/1990
PAD94C21718	CAS-11144	9819	11.4	358	162.39	CAST IRON PIPE	11/29/1990
PAD94C21675	CAS-15844	10371	11.4	143	64.86	EMPTY DRUM WITH CONCRETE RESIDUE	1/21/1993
PAD94C21754	CAS-15845	10371	11.4	140	63.50	EMPTY DRUM WITH CONCRETE RESIDUE	1/21/1993
PAD94C21674	CAS-15846	10371	11.4	139	63.05	EMPTY DRUM WITH CONCRETE RESIDUE	1/21/1993
PAD94C21753	CAS-15847	10371	11.4	143	64.86	EMPTY DRUM WITH CONCRETE RESIDUE	1/21/1993
PAD94C21707	CAS-15965	31678	11.4	130	58.97	EMPTY 17E DRUM (CAL-1149)	3/31/1993
PAD94C21821	CAS-16012	31691	11.4	141	63.96	EMPTY 17E 55-GAL DRUM, LEAKING	5/10/1993
PAD94C21532	CAS-06140	6346	11.4	358	162.39	CAST IRON DRAIN PIPE	12/7/1987
PAD95C00648	CAS-17539	45040	7.4	87	39.46	SCRAP METAL/VACUUM	1/27/1995
PAD95C00646	CAS-17540	45034	7.4	101	45.81	PCB CONTAMINATED HOSE	9/27/1994
PAD94C21458	CAS-10913	12557	7.4	101	45.81	LAB WASTE	10/30/1990
PAD94C22086	CAS-12868	12569	7.4	118	53.52	LAB WASTE	4/3/1991
PAD94C21328	CAS-12869	12570	7.4	140	63.50	LAB WASTE	4/9/1991
PAD94C21480	CAS-14251	13435	7.4	152	68.95	PAPER/PLASTIC/GLASS	5/22/1991
PAD94C21453	CAS-14590	13436	7.4	146	66.23	PAPER/PLATIC/GLASS	7/16/1991
PAD94C22829	CAS-14612	13440	7.4	171	77.57	PAPER/PLASTIC/GLASS	8/20/1991
PAD94C21354	CAS-14619	13442	7.4	154	69.85	GLOVES/PAPER/RAGS/SYRINGES	9/24/1991
PAD94C22827	CAS-14894	13448	7.4	146	66.23	PAPER/PLASTIC/GLASS/MISC	12/13/1991
PAD94C21444	CAS-14895	13443	7.4	164	74.39	PAPER/PLASTIC/GLASS	10/22/1991
PAD94C22831	CAS-15066	13449	7.4	157	71.22	PAPER/PLASTIC/GLASS	1/9/1992
PAD94C22075	CAS-15067	1400	7.4	142	64.41	PAPER/PLASTIC/GLASS	2/7/1992
PAD94C22074	CAS-16543	35702	7.4	115	52.16	PCB/URANIUM CONTAMINATED	7/15/1993
PAD94C21448	CAS-16548	30607	7.4	170	77.11	PAPER/PLASTIC/GLASS	7/29/1993
PAD94C21474	CAS-16568	30610	7.4	157	71.22	PAPER/PLASTIC/RUBBER/GLASS	8/26/1993
PAD94C21473	CAS-17017	32231	7.4	152	68.95	PPE/PAPER/PLASTIC/MATS/COLIWASAS	8/17/1993
PAD94C32184	CAS-17105	40330	7.4	100	45.36	LAB WASTE	12/15/1993
PAD94C34939	CAS-17471	30625	7.4	172	78.02	PAPER/PLASTIC/GLASS	8/25/1994
PAD94C34940	CAS-17472	38275	7.4	171	77.57	PAPER/PLASTIC/GLASS	9/23/1994
PAD95C01002	CAS-17554	45226	7.4	166	75.30	LAB WASTE PAPER/PLASTIC/GLASS	10/18/1994
PAD95C01003	CAS-17555	45228	7.4	178	80.74	LAB WASTE PAPER/PLASTIC/GLASS	11/11/1994
PAD95C01001	CAS-17556	45231	7.4	171	77.57	LAB WASTE PAPER/PLASTIC/GLASS	1/24/1995
PAD94C22087	CAS-13429	13429	7.4	148	67.13	SAMPLES	3/7/1991
PAD94C21327	CAS-13428	13428	7.4	130	58.97	SAMPLES	3/7/1991