Annual Document of
Polychlorinated Biphenyls at the
Paducah Gaseous Diffusion Plant,
Paducah, Kentucky,
for
January 1, 2016–December 31, 2016

FLUOR.

This document is approved for public release per review by:

FPDP Classification Support

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Date

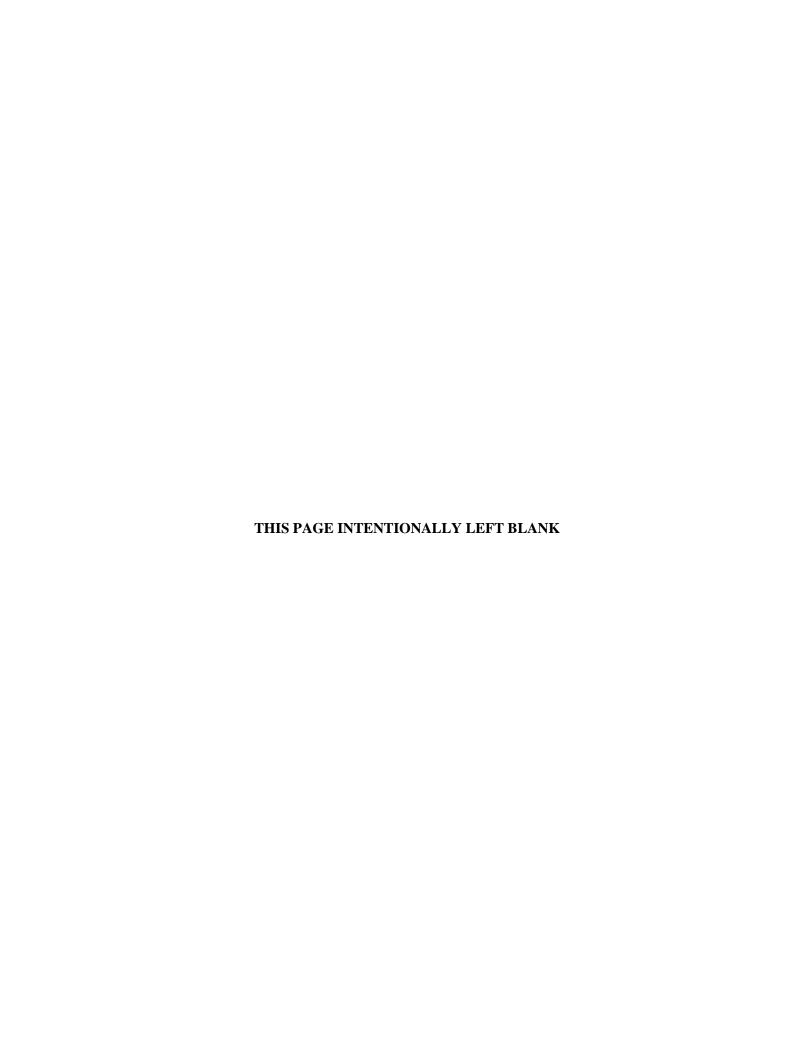
Annual Document of Polychlorinated Biphenyls at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, for January 1, 2016–December 31, 2016

Date Issued—June 2017

U.S. DEPARTMENT OF ENERGY Office of Environmental Management

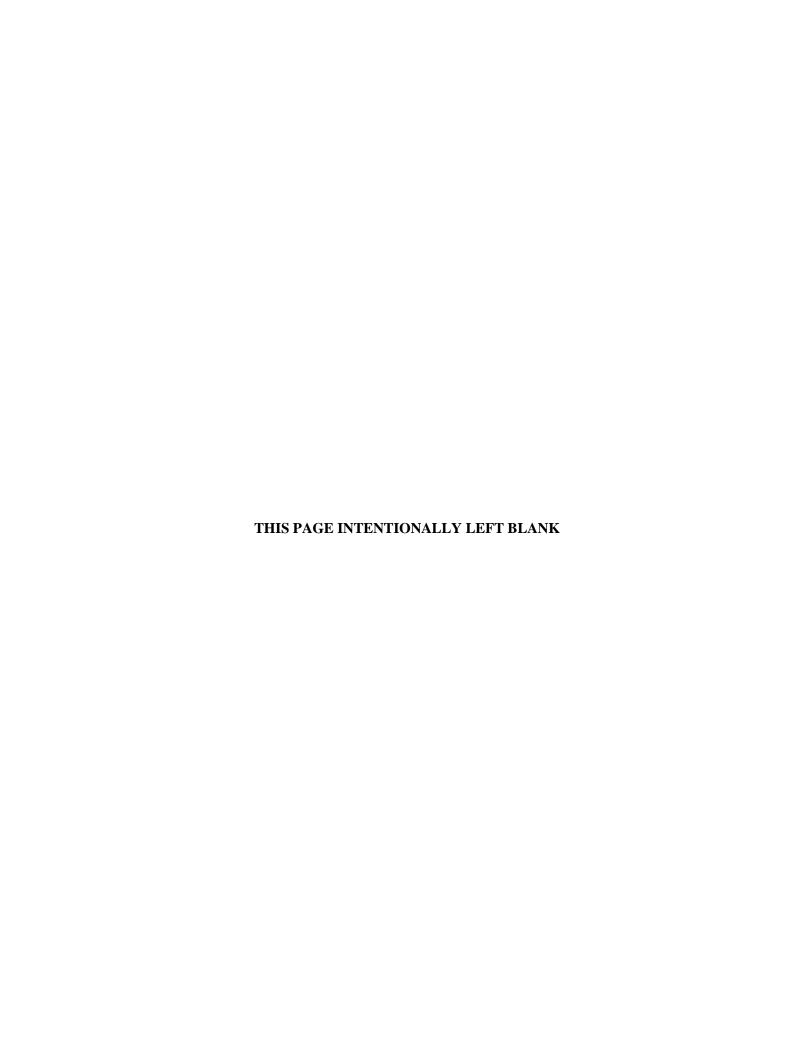
Prepared by
FLUOR FEDERAL SERVICES, INC.,
Paducah Deactivation Project
managing the
Deactivation Project at the
Paducah Gaseous Diffusion Plant
under Task Order DE-DT0007774

CLEARED FOR PUBLIC RELEASE



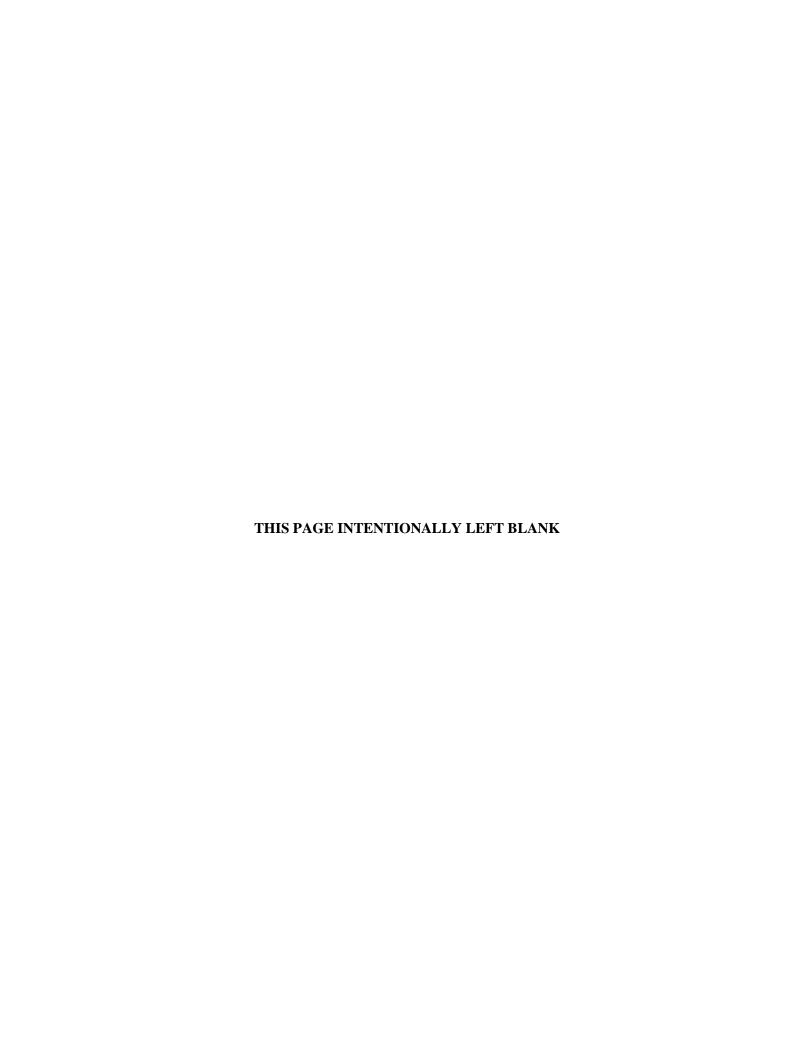
PREFACE

This Annual Document of Polychlorinated Biphenyls at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, for January 1, 2016–December 31, 2016, was prepared to meet applicable requirements of the Toxic Substances Control Act, as codified in the U.S. Code of Federal Regulations, 40 CFR Part 761, Subpart J. The mailing address for the U.S. Department of Energy Paducah Gaseous Diffusion Plant is 5501 Hobbs Road, Kevil, Kentucky 42053. The physical address is 5600 Hobbs Road, Kevil, Kentucky 42053. The U.S. Environmental Protection Agency Identification Number is KY8-890-008-982.



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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

FY fiscal year HQ headquarters

M&EC Materials & Energy Corporation
PGDP Paducah Gaseous Diffusion Plant

RCRA Resource Conservation and Recovery Act

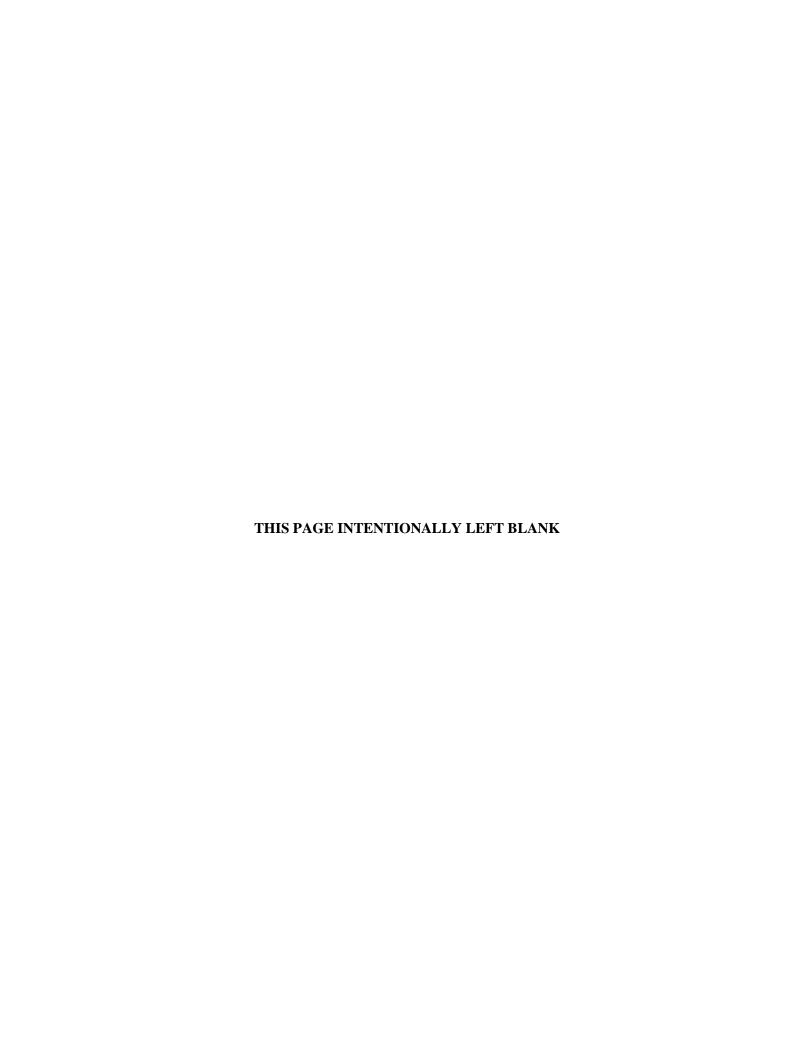
RFD Request for Disposal

TSCA Toxic Substances Control Act

TSDF treatment, storage, and disposal facilities

UE uranium enrichment

UHWM Uniform Hazardous Waste Manifest



EXECUTIVE SUMMARY

This Annual Document of Polychlorinated Biphenyls at the Paducah Gaseous Diffusion Plant (PGDP), Paducah, Kentucky, for January 1, 2016–December 31, 2016, (Annual Document) provides records and information required by 40 *CFR* § 761.180(a), Records and Monitoring.

Sections 1–4 of this Annual Document contain miscellaneous history and background of compliance, radiological contamination, continuing efforts to dispose of polychlorinated biphenyl (PCB) wastes, and assumptions and calculations used throughout the document. The Annual Records required by 40 CFR § 761.180(a)(1) are located in Sections 5–8 and include signed manifests, certificates of disposal, waste area inspections, and spill cleanup activities. The Annual Document Logs required by 40 CFR § 761.180(a)(2) are in Sections 9–11 and include PCB electrical equipment inventories and PCB waste inventories. The appendices contain supporting information or records that are not specifically required to be included in the Annual Records or Annual Document Log; however, the information is a vital part of PCB activities at Paducah Gaseous Diffusion Plant (PGDP), and it is appropriate to collect and present such information within the Annual Document.

The PCB items in service and PCB activities at the PGDP for calendar year (CY) 2016 are summarized below:

0
0
3
0
2
35,453
22,807
0
55,310

Throughout CY 2016, PGDP generated 15 manifested shipments of PCB wastes to off-site disposal facilities. Twenty-two Certificates of Disposal were received in CY 2016 for PCB containers/items disposed of.

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¹ The weights in kg are taken from the waste tracking database, Requests for Disposal, or generator supplied information and may be estimated.

² The weights in kg are taken from the Uniform Hazardous Waste Manifests.

³ See note 1.



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 enter into an agreement under the Toxic Substances Control Act (TSCA). The Uranium Enrichment (UE) TSCA FFCA for Paducah, Portsmouth, and the former Oak Ridge K-25 Site was needed to establish a plan to bring the facilities into full 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 UE TSCA FFCA was signed and went into effect on February 20, 1992,⁴ and subsequently was modified on September 25, 1997.⁵ 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.

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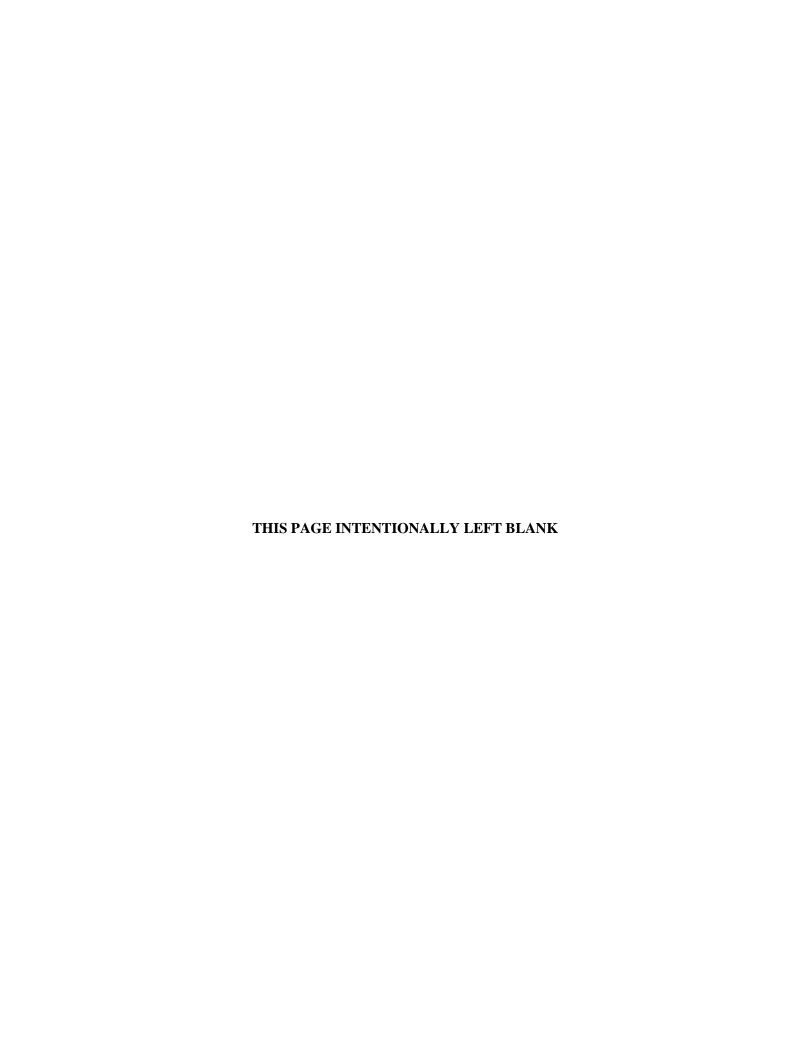
⁴ Compliance Agreement between the United States Department of Energy and the United States Environmental Protection Agency, Washington, DC, February 20, 1992.

⁵ Letter to Alvin L. Alm, Assistant Secretary for Environmental Restoration, U.S. Department of Energy, and Terry Lash, Director, Office of Nuclear Energy, Science and Technology (NE-1). U.S. Department of Energy, from Craig Hook, director, Federal Facilities Enforcement Office, dated September 25, 1997.



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. The UE TSCA FFCA provides for extended storage of radiologically contaminated PCB wastes beyond the one-year storage limitations in 40 *CFR* § 761.65(a).



3. EFFORTS TO DISPOSE OF PCB WASTES

Efforts to dispose of PCB wastes are continuous. In calendar year (CY) 2016, PGDP generated 15 manifested shipments to the following treatment/disposal facilities to dispose of PCB wastes:

- Energy Solutions disposal facility in Clive, Utah;
- Diversified Scientific Services, Inc. (DSSI)/Perma-Fix facility in Kingston, Tennessee;
- Clean Harbors Deer Park, LLC, facility in La Porte, Texas; and
- Perma-Fix facility in Gainesville, Florida.

The 2017 Baseline Low-Level Waste and Material Disposition Data include the following forecasted TSCA disposal activities for the next five years:

- Fiscal year (FY) 2017—dispose of $\sim 2,644 \text{ ft}^3 (74.87 \text{ m}^3)$
- FY 2018—dispose of $\sim 472 \text{ ft}^3 (13.37 \text{ m}^3)$
- FY 2019—dispose of $\sim 472 \text{ ft}^3 (13.37 \text{ m}^3)$
- FY 2020—dispose of $\sim 472 \text{ ft}^3 (13.37 \text{ m}^3)$
- FY 2021—dispose of $\sim 472 \text{ ft}^3 (13.37 \text{ m}^3)$



4. ASSUMPTIONS AND CALCULATIONS

In order to meet the TSCA requirements for reporting and recordkeeping, weights are presented in kilograms (kg) throughout this document. The weights in kilograms (kg) are converted from pounds (lb) by the following conversion factor: 1 lb = 0.4536 kg.

Some waste containers are weighed when placed into storage for disposal. Other wastes may not have the weight determined until the waste is prepared for off-site shipment for disposal. Consequently, the actual weight of waste not yet shipped may not be available for reporting, and reporting will be based on estimated weights. If the generator of the waste cannot provide enough information for an estimated weight of the waste, the weight may be estimated using historically determined weights by waste source. These weight estimates are based on actual data collected over past years and include the weight of the container. In these cases, the drums are assumed to be full. [Note: If the waste is in a portable container (tank) and the volume of liquid in the tank can be determined by observation, the estimate weight of the waste can be calculated without assuming that the tank is full.]

Table 4.1 below shows those historical weights of 55-gal drum equivalents containing waste from the sources shown. Weights are finalized later when the actual weights are determined using calibrated scales prior to shipment.

Table 4.1. Historical Weights of 55-gal Drums Based on Waste Type

Solid Wastes*	Pounds per 55-gal Drum	Kilograms per 55-gal Drum
Lighting ballasts	700	318
High-voltage large capacitors	100	45
Miscellaneous solids	200	91
Samples	200	91
Soil, sediment, gravel	700	318
Liquid Wastes	Pounds per 55-gal Drum	Kilograms per 55-gal Drum
Flush solvents	450	204
Lubrication oil	450	204
Laboratory solvents	450	204
Samples	450	204
Askarel/pyranol	700	318

^{*}The solid and liquid waste categories assume full drums of the waste as described.

In order to determine the mass of PCBs for reporting, the volume of the liquids containing PCBs must be determined or estimated. Using that volume, the mass of PCBs can be calculated using the formula:

PCBs,
$$kg = A * B * C * D$$

Where:

A = gal of PCB liquid waste

B = density factor in lb/gal from Table 4.2

C = conversion factor 0.4536 kg/lb

D = PCB concentration factor multiplier from Table 4.2

Table 4.2 shows the factors to be used in the equation above for density (B) and PCB concentrations (D).

Table 4.2. Factors for Calculating Mass of PCBs per Container

Waste Source of Liquids	Density Factor	PCB Concentration Factor Fraction
	lb/gal	(D)
	(B)	
PCB-Contaminated Liquids,	8 to 15	Measured or estimated PCB fraction
Nonaqueous		
PCB Transformer Liquids	13	Measured or estimated PCB fraction
PCB Large Capacitor Liquids	13.5	1 (i.e., 100% PCBs)
PCB-Contaminated Transformer and	8.34	Measured or estimated PCB fraction
Electrical Equipment (PCB		
contamination < 500 ppm) Liquids		
PCB Waste Water	8.34	Measured or estimated PCB fraction

5. PCB WASTE MANIFESTS

Uniform Hazardous Waste Manifests (UHWMs) of PCB wastes shipped by the facility during the CY are annual records required by 40 *CFR* § 761.180(a)(1)(i). This section of the Annual Document contains the signed manifests of PCB wastes shipped off-site for disposal during CY 2016.

Fifteen manifests with 87 containers of solid and liquid PCB wastes were shipped for disposal to the following disposal sites:

- Energy Solutions disposal facility in Clive, Utah;
- DSSI/Perma-Fix facility in Kingston, Tennessee;
- Clean Harbors Deer Park, LLC, facility in La Porte, Texas; and
- Perma-Fix facility in Gainesville, Florida.

Table 5.1 summarizes the 2016 manifested PCB waste shipments. The table includes the manifest number, the shipped to location, the number of PCB containers/items on the manifest, and the net weight in kilograms of PCBs containers/items shipped. The weights listed in this table were obtained from the UHWMs. The weights of wastes listed on the manifests were calculated based on the weight of the PCB-contaminated waste contents of the shipping container(s) or the estimated volume of the shipment. The weight on the manifest may differ from the weight recorded on the Waste Information Tracking System, as found in Table 10.6, PCB Wastes Shipped Off-Site for Disposal in 2016. When completing manifest documentation, Fluor Federal Services, Inc., Paducah Deactivation Program, works with various treatment, storage, and disposal facilities (TSDFs) to facilitate acceptance. On occasion, the manifested weights are adjusted due to factors such as differences in the receiving facility's scale or because the TSDF requires the gross weight to be manifested instead of the net weight; however, the waste database is kept intact to reflect the operating weights while the waste was managed on-site. Over the span of one year, these changes combine to create the discrepancy noted.

Table 5.1. PCB Waste Manifests Summary

UHWM Number	Date Shipped	Shipped to Location Destination	Number of PCB Containers	Manifest Weight of PCB Items (kg)
006841794JJK	3/23/2016	DSSI Perma-Fix, Kingston, TN	3	562
006841795JJK	3/28/2016	Energy <i>Solutions</i> , Clive, UT	1	819
006841798JJK	3/28/2016	Energy <i>Solutions</i> , Clive, UT	52	2,734
006841802JJK	4/28/2016	Energy <i>Solutions</i> , Clive, UT	1	57
006841805JJK	5/20/2016	Clean Harbors, LaPorte, TX	1	11,303
006841810JJK	6/29/2016	Perma-Fix, Gainesville, FL	2	18
006841811JJK	6/30/2016	Energy <i>Solutions</i> , Clive, UT	12	276
006841813JJK	6/30/2016	Energy <i>Solutions</i> , Clive, UT	1	177
006841814JJK	7/19/2016	Energy <i>Solutions</i> , Clive, UT	2	3,960
006841816JJK	8/19/2016	Perma-Fix, Gainesville, FL	2	40
006841819ЈЈК	8/26/2016	Energy <i>Solutions</i> , Clive, UT	1	4
006841822JJK	10/27/2016	DSSI Perma-Fix, Kingston, TN	5	880
006841824JJK	10/28/2016	Energy <i>Solutions</i> , Clive, UT	1	317
006841825JJK	10/28/2016	Energy <i>Solutions</i> , Clive, UT	1	233
006841826JJK	10/28/2016	Energy <i>Solutions</i> , Clive, UT	2	1,427

Total UHWM: 15 87 22,807

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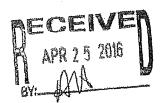
Manifest Number: 006841794JJK

Shipment ID Number: DSSI-16-031

Shipment Date: 3/23/2016

UHWM Section	RFD	Container (WASTE ID	Barcode	Doscription	FCB Date to Storage	Accumulation Storage Date	(tr3)	GROSS WT	Gross Wt. (Kg)	Maximum Activity MBq
9⊳ 1	117418	117418-01	PAD16C3045	7 USED OIL FROM KOMATSU 400	N/A	N/A	2.7	229	103,87	0.26
9b 1	117418	117418-02	PAD16C3035	5 USED OIL FROM KOMATSU 400	N/A	N/A	7	432	195.95	0.26
9¤ 1	119720	119720-01	PAD16C2162	3 USED OIL	N/A	N/A	7.4	488	221.35	0,26
9b 1	119720	119720-02	PAD15C21524	4 USED OIL	N/A	N/A	74	426	193.23	0,26
9c 1	119720	119720-03	PAD15C21525	S USED ÓIL	N/A	N/A	7 4	470	213.19	0.26
ජිව 1	119737	119737-01	PAD15C25578	S ÚSÉD OIL	N/A	N/A	74	452	205 02	0,26
9b 1	119737	119737-02	PAD15C25677	USED OIL	N/A	ÑΑ	7.4	423	191.87	0 26
1 46	119873	119873-01	PAD15C25569	USED OIL - C-631 NON PCB TRANSFORMER OIL	N/A	N/A	74	411	186.43	0.26
901	119873	119873-02	PAD15C25570	USED OIL - C-631 NON PCB TRANSFORMER OIL	N/A	N/A	74	434	196,86	0.26
9p 1	119873	119873-03	PAD15C25571	USED OIL - C-631 NON PCB TRANSFORMER OIL	N/A	N/A	7.4	427	193.68	0.26
1 de	119873	119873-04	PAD15C25572	USED OIL - C-631 NON PCB TRANSFORMER OIL	N/A	N/A	7 4	430	195 04	0.26
9b 1	119873	119873-05	PAD15C25573	USED OIL - C-631 NON PCB TRANSFORMER OIL	N/A	N/A	74	447	202 75	0.26
9p 1	11,9873	119873-06	PAD15C25574	USED OIL - C-531 NON PCB TRANSFORMER OIL	N/A	N/A	74	419	190.05	0 26
.95 1	119873	119873-07	PAD15C25575	USED OIL - C-631 NON PCB TRANSFORMER.OIL	N/A	N/A	7.4	446	202.30	0.26
90 1	119873	119873-08	PAD15C25576	USED OIL - C-631 NON PCB TRANSFORMER OIL	N/A	N/A	7.4	282	127 91	0.26
9p 1	119978	119978-01	PAD15C21452	TRANSMISSION OIL	N/A	N/A	4.68	292	132.45	0.26
9b 1	119978	119978-02	PAD15C21493	TRANSMISSION OIL	N/A	N/A	7	344	156.03	0.26
9b ĩ	119986	119986-01	PAD15C21472	GEAR LUBRICANT OIL	N/A	N/A	6.02	444	201.39	0.26
9b 1	119986	119986-02	PAD15C21473	GEAR LUBRICANT OIL	N/A	N/A	6,02	402	182.34	0 26
9b 1	119986	119986-03	PAD15C21483	GEAR LUBRICANT OIL	NIA	N/A	6.02	432	195.95	0.26
9p 1	119986	119986-04	PAD15C21484	GEAR LUBRICANT OIL	N/A	N/A	6.02	406	184,16	0,26
9b 1	119986	119986-05	PAD15C21491	GEAR LUBRICANT OIL	N/A	N/A	6.02	330	149.68	0.26
ର୍ଜ ପ୍ର	119986	119986-06	PAD15C21492	GEAR LUBRICANT OIL	N/A	N/A	6 02	442	200.49	0.26
95 1	119986	119986-07	PAD15CZ1496	GEAR LUBRICANT OIL	N/A	N/A	6.02	356	161.48	0.26
95 1	119986	119986-08	PAD15C21497	GEAR LUBRICANT OIL	N/A	N/A	6.02	442	200,49	0,26
9b 1	119986	119986-09	PAD15C25851	GEAR LUBRICANT CIL	N/A	N/A	6.68	282	127,91	0,26
9b 2	119802	119802-01	PAD15C21442	VENTILATION DUCT OIL AND WATER	04/22/15	04/22/15	7.5	470	213.19	1.56
9b 2	119802	119802-02	PAD15C21443	VENTILATION DUCT OIL AND WATER	05/20/15	05/20/15	7.5	458	207.74	1.56
9b 2	119802	119802-03	PAD15C21444	VENTILATION DUCT OIL AND WATER	06/24/15	06/24/15	7.5	478	216.82	1.56
3b 3	119815	119815-01		GASCLINE/DIESEL FUEL REMOVED FROM EQUIPMENT	N/A	05/20/15	0 334	24	10.89	0.08
9b 4	120191	120191-01		GASOLINE/WATER MIXTURE RÉMOVED FROM EQUIPMENT	N/A	07/09/15	3.7	186	84.37	0.08
9b 4	119808	119808-01	PAD15C21144	OIL WIMINIMAL AMOUNT OF DIESEL FUEL	N/A	02/23/16	1.48	196	89.81	0.08
27ä 1	119890	119890-01	PAD15C25710	OIL AND COOLANT FROM PARTS CLEANER	N/A	09/10/15	1.07	76	34.47	0.08
		Totals	33				201.50	12278	5569	11.71

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	U.S. DOE c/o Fluor Federal Services, Inc. (FPDP) U.S. DOE c/o Fluor Federal Services 5511 Hobbs Road, Kevil, KV 42053 Paducah Gaseous Diffusion Plant,										⊬)
	Generator's Prono: 1-270-441-5000 5511 Holbbs Rd, Kevil, KV 42053										
	6 Transporter Gompany Name										
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	£χ	order, I certify that the con	d, and are in all respects in proper or lents of this consignment conform to ration statement identified in 40 CFR	the lorms of the attached E	PAAcknowledgment	ol CensenL			jirla hoqxa 11	ement and fram the	Printary
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PGB and Additional Information Attachment, Page 2 of 2

Manifest Number: 006841795 JJK

Shipment ID Number: 9701-02-0013

Shipment Date: 3/28/2016

UHWM Section	RFD	Container / WASTE ID	Barcode	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Maximum Activity MBq
9b.1	120344	120344-01	PAD16C30557	PCB Contaminated RCRA Debris	06/03/15	90	2522	1144	173
	•	Totals	1			90	2522	1144	173

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ase print or type. (Form design	ned for use on elite (12-pitch) typew 1 Generator ID Number	411011	2 Page 1 of 1 3. E	mamenty Respons	e Phone	4. Manifesi	Tracking N	limitar		2050-00
UNIFORM HAZARDOUS WASTE MANIFEST	KY 98903086	992 4	1	1-270-401			684		Ŕ.	.lk
5, Generator's Name and Mailin	g Address	n promposite de la constitución de	Gene	erator's Site Addres	s (# different				V 9	FA S. H
U.S. DOE 26 F	uar Federal Sarvices, I	no. (FPDP)	U.S. DO	E do Fluor	Federa	l Services	, Ino. ()	PDP)		
5511 Hebbs Rea	ad, Kevil, KY 42053		Padycah	Gasebus (Diffusion	n Piani,				
Generator's Phone 1-270-4 6. Transporter 1 Company Name	41-6000		551 1 Ho	bbs Bd, Ka	vil, KY	12083 US. EPA ID	Number			
CAST Transport						1		7R0000	arnna	
7. Transporter 2 Company Name		MACAMATANA MACAMATANA				U.S. EPA ID	Number	412 MACIO	บถอยย	
					-				****	
8. Designated Facility Name and Energy Solutions	Sile Address Clive Disposal Site-Bu	ilk Waste Fac	vility			U.S. EPA ID	Number			
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Facility's Phone: 1-435-81						1			-4.000	
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PCB and Additional Information Attachment, Page 2 of 4

Manifest Number: 006841798JJK

Shipment ID Number: 7307-15-0001 Z
Shipment Date: 3/28/2016 CT 6/24//L

	UHWM Section	RFD	Container / WASTE ID	Barcode	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Maximum Activity MBq
	9b.1	119689	119689-04	PAD15C21417	SPILL CLEANUP FROM VENT DUCT TROUGHS	04/09/15	7.2	99	44.91	4.349
	9b.1	119803	119803-01	PAD15C21507	SPILL CLEANUP FROM VENT DUCT TROUGHS	05/27/15	7.4	118	53,52	6.270
	9b.1	119803	119803-02	PAD15C21508	SPILL CLEANUP FROM VENT DUCT TROUGHS	10/20/15	7.4	159	72.12	10.417
	9b.1	119803	119803-03	PAD15C26102	SPILL CLEANUP FROM VENT DUCT TROUGHS	11/18/15	7.4	152	68.95	9.709
	9b.1	119803	119803-04	PAD15C26103	SPILL CLEANUP FROM VENT DUCT TROUGHS	11/19/15	7.4	147	66,68	9.203
	9b.1	119803	119803-05	PAD15C26134	SPILL CLEANUP FROM VENT DUCT TROUGHS	01/06/16	7.4	114	51.71	5.866
	9b.1	119874	119874-01	PAD15C25581	PCB SOLIDS FROM DECON OF PCB AREAS,/ITEMS	07/30/15	7.4	148	67.13	9 304
	9b.1	119874	119874-02	PAD15C25582	PCB SOLIDS FROM DECON OF PCB AREAS,/ITEMS	07/30/15	7.4	136	61.69	8.091
	9b.1	119874	119874-03	PAD15C25081	PCB SOLIDS FROM DECON OF PCB AREAS,/ITEMS	08/31/15	7.4	100	45.36	4.652
	9b.1	119874	119874-04	PAD15C25082	PCB SOLIDS FROM DECON OF PCB AREAS,/ITEMS	08/28/15	7.4	136	61.69	8.091
	9b.2	119845	119845-01	PAD15C25558	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	06/18/15	7.4	94	42.64	N/A
	9b 2	119845	119845-02	PAD15C25565	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	06/18/15	7.4	104	47.17	N/A
	9b.2	119845	119845-03	PAD15C25563	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	06/30/15	7.4	108	48.99	N/A
	9b.2	119845	119845-04	PAD15C25566	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	06/30/15	7,4	116	52.62	N/A
	9b.2	119845	119845-05	PAD15C25567	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	07/30/15	7.4	108	48.99	N/A
	9b.2	119845	119845-06	PAD15C25560	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	07/30/15	7.4	174	78.92	N/A
	9b.2	119845	119845-07	PAD15C25561	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	08/12/15	7.4	90	40.82	N/A
	9b.2	119845	119845-08	PAD15C25562	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	08/22/15	7.4	98	44.45	N/A
	9b.2	119845	119845-09	PAD15C25564	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	08/12/15	7.4	120	54.43	N/A
~	95.2	119845	110845-10	PAD45C25568	DCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSEORMER PROJECT	08/12/1 5	7.4	482	62.55	N/A
4 2	9b.2	119845	119845-11		PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	09/09/15	7.4	108	48.99	N/A
	9b.2	119845	119845-12		PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	09/16/15	7.4	118	53.52	N/A
	9b.2	119845	119845-13		PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	09/23/15	7.4	98	44.45	N/A
	9b.2	119845	119845-14		PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	09/18/15	7.4	111	50.35	N/A

PCB and Additional Information Attachment, Page 3 of 4

Manifest Number: 006841798JJK

Shipment ID Number: 7307-15-000/2

Shipment Date: 03/28/16

				Simplifient Date.	03/20/10				
9b.2	119845	119845-15	PAD15C25061	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	09/01/15	7.4	114	51.71	N/A
9b.2	119845	119845-16	PAD15C25066	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	08/31/15	7.4	117	53.07	N/A
9b.2	119845	119845-17	PAD15C25065	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	09/21/15	7.4	107	48.53	N/A
9b.2	119845	119845-18	PAD15C25062	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	09/25/15	7.4	125	56.70	N/A
9b.2	119845	119845-19	PAD15C25063	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	09/25/15	7.4	120	54.43	N/A
9b.2	119845	119845-20	PAD15C25064	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	10/01/15	7.4	106	48.08	N/A
9b.2	119845	119845-21	PAD15C25957	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	09/28/15	7.4	101	45.81	N/A
9b.2	119845	119845-22	PAD15C25958	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	10/26/15	7.4	106	48.08	N/A
9b.2	119845	119845-23	PAD15C25956	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	10/08/15	7.4	110	49.89	N/A
9b.2	119845	119845-24	PAD15C25955	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	10/05/15	7.4	115	52.16	N/A
9b.2	119845	119845-25	PAD15C25954	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	10/09/15	7.4	140	63.50	N/A
9b.2	119845	119845-26	PAD15C25841	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/12/15	7.4	116	52.62	N/A
9b.2	119845	119845-27	PAD15C25842	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/25/15	7.4	134	60.78	N/A
9b.2	119845	119845-28	PAD15C26273	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/06/15	7.4	114	51.71	N/A
9b.2	119845	119845-29	PAD15C25843	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/25/15	7.4	101	45.81	N/A
9b.2	119845	119845-30	PAD15C25845	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/25/15	7.4	116	52.62	N/A
9b.2	119845	119845-31	PAD15C25844	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/02/15	7.4	112	50.80	N/A
9b.2	119845	119845-32	PAD15C26278	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/30/15	7.4	119	53.98	N/A
9b.2	119845	119845-33	PAD15C26277	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/07/15	7.4	105	47.63	N/A
9b.2	119845	119845-34	PAD15C26285	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/29/15	7.4	99	44.91	N/A
9b.2	119845	119845-35	PAD15C26274	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/19/15	7.4	102	46.27	N/A
9b.2	119845	119845-36	PAD15C26276	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/25/15	7.4	120	54.43	N/A
9b.2	119845	119845-37	PAD15C26275	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/08/15	7.4	93	42.18	N/A

Manifest Number: 006841798JJK

Shipment ID Number: 7307-15-000/ Z
Shipment Date: 3/28/2016 5-5/24//

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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	119845	119845-38	PAD15C26279	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/08/15	7.4	103	46.72	N/A
9b.1	119845	119845-39	PAD15C26280	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/08/15	7.4	111	50,35	N/A
9b.1	119845	119845-40	PAD15C26281	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/09/15	7.4	126	57.15	N/A
9b.1	119845	119845-41	PAD15C26284	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/29/15	7.4	98	44.45	N/A
9b.1	119845	119845-42	PAD15C26286	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/29/15	7.4	96	43.54	N/A
9b 1	119845	119845-43	PAD15C26283	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/17/15	7.4	146	66.22	N/A
		Totals	~ -53~ -			392	6210	2817	75:95~ して ソース
		174-2	5-16 52			385	60 28	2734	75.95

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 006841802JJK

Shipment ID Number: 9701-15-0007

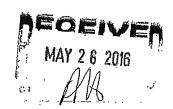
Shipment Date:

3/28/2016

UHWM Section	RFD	Container / WASTE ID	Barcode	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Maximum Activity MBq
9b.1	119845	119845-10		PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	08/12/15	7.4	182	83	N/A
		Totals	1			7.4	182	83	N/A

Perrived 3/31/16 Remanifested from 7307-15-cool

Please print or type (Form designed for use on elite (12-pitch) typewriter.)					Fon	n Approved. OMB	Vo. 2050-0
WASTE MANIFEST Seneralo D Number KY 8880008982	2 Page f of 3 I	mergency Respon 1-270-441			1 Trackling N 1684		JJK
5 Generator's Namo and Mailing Address		rators Sile Addres	-	than mailing addi	855)		
U.S. DOE d'o Fluor Federal Services, inc. (FPDI	•	E e/o Fluor			i, Inc. (F	PDP)	
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CAST Transportation 7. Transporter 2 Company Name				U.S. EPAID	CC Number)R00000538	ž
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1-435-884-0155 Facility's Phone:				1			
9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Num	nber,	10. Conta	ihers	11. Tolal	12, Unit	13. Waste Co	ndae.
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ERG#171 In the event of an RQ Release, call 1	-800-424-8802			lf undelive	rable, r	eturn to gene	rator
Exclusive Use Shipment, See PCB Attachment for	_		-	Shipment	ID: 970	1-15-0007	
15. GENERATOR!S/OFFEROR'S GERTIFICATION: I hereby declare that the contents of		end accurately des		by the proper shi	pping name,	and are classified, pag	kaged.
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l certify that the waste minkrization statement identified in 40 CFR 262.27(a) (if I am a Generator's/Offeror's Printed/Typed Name	large quantity generator) c Signature	r (b) (ill am-a smal	l quantity gen	erator) is true.	·	Mônth Đả	y Year
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19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste tre		(ling-systems)					
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20. Designated Facility Owner or Operator: Certification of receipt of hazerdous materials cover	red by the manifest except	as noted in Hem 18	За				
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Comparison Comment of State
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2027 Independence Park, LE 2027 Independence Park, LE LaPorte, TX 77571 Facility Prince: 1-281-930-2300 a. 9. 10. DOTescription lockaring Proper Shipping Name, Hazard Class, ID Number. IMM and Packing Group (if any) RO (IPCB), 9, III contains oil "Marine Pollutant" IV UN3082, Environmentally hazardous substances, liquid, n.o.s. 1 TT 11,303 K UN3082, Environmentally hazardous substances, liquid, n.o.s. 1 TT 11,303 K IV CPCB), 9, III contains oil "Marine Pollutant" IV PCB, 9, III contains oil "Marine Pollutant" IV PCB Start Date: 05/20/18 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 Shipment ID: FLR16-HSPCB_055 15. GENERATORY/OFFERORYS CERTIFICATION: Inerby decke that the contents of this consignment are fully and accurately described and are not respects a proper condition for transport according to approache intermilional and national governmental and are not respects a proper condition for transport according to approache intermilional and national governmental are fully and accurately described approximant and and are not respects a proper condition for transport according to approache intermilional and national governmental are fully and accurately described approximant and and are not respects a proper condition for transport according to approache intermilional and national governmental are fully in proper shipping name, and we described appearation in the terms of the attached EPA According for a national governmental are fully generator; is true. In a transporter signature (for exports only):
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ERG # 171 In the event of an RC Release, call 1-800-424-8802 If undeliverable, return to generator See PCB Attachment for Additional Info Shipment ID: FLR15-HSPCB_055 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurably described above by the process hipping name, and exe classified, packaged, marked and labeled/piccarded, and are in all resports a proper condition for transport according to approach international and national governmental regulations. If export shipment and I am the Primary Exports: Leatify that the onsignment contents of this consignment on the terms of the attached EPA-Accom/sedgment of Consent. I certify that the waste minimization statement Ideorated in 40 CFR 262 27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Gangator's Officeror's PrincetTyped Name **Regional Flag On behalf of DOE Vegica Flag North Day Year North Day Y
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15. GENERATOR/S/OFFEROR/S CERTIFICATION: I hereby declave that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placaded, and are in all responds in proper condition for transport according to approache international and national governmental regulations. If export shipmant and I am the Printary Exporter. Lettify that the contents of this consignment conform to the terms of the attached EPA Acknowledgmant of Consent. Locatify 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. Gangaryloris/Offeror's Printer/Typed Name **Regular Flow On behalf of DOE Vegue flow 10.5 20 16 10. Integrational Shipmants Import to U.S. Export from U.S. Port of entrylexit: Transporter signature (for exposts only):
marked and labeled/plecorded, and are in all responses in proper condition for transport according to approache intermedional and national governmental regulations. If export shipmant and I am the Primary Exporter, Lordify that the contents of this consistence consistence of the attached EPA Acknowledgmant of Consent. I certify that the waste minimization statement Identified in 40 CFR 282 27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Gangalor's Differor's Princet/Typed Name Signalized Month Day Year Wegna Feu 10. Integrational Stripmants I import to U.S. Export from U.S. Part of entrylexit: Transporter signalure (for exports only): Signalized Part of entrylexit: Signalized Signalized DOE Export from U.S. Signalized DOE Signalized DOE Signalized DOS Signa
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18. Discrepancy
18a. Discrepancy Indication Space Outshifty Type Full Rejection
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Manyfast Reference Number: 18b. Allemate Facility (or Genorator) Manyfast Reference Number: 18b. Allemate Facility (or Genorator)
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Fadity's Phone: 18c Signalum of Alemate Facility (or Generator) BY Month Day Year 19. Hazardous Wasta Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1 H040 20. Designated Facility Owner or Operator: Cortification of receipt of hazardous materials covered by the manifost of control in Item 18a
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Shipment ID Number:

FLR15-HSPCB_055

Shipment Date:

5/20/2016

UHWM Section	Tanker#	Description	WASTE VOLUME (gal)	GROSS WT (lb)	Gross Wt (Kg)	WASTE ID	PCB Date to Storage	TID
9b,1	US444T	PCB Rinseate Oil	3476	24,920	11303	119880-61	05/20/16 05/20/16	279071
Totals			3476	24920	11303		7 7	

Ple	ass	print or type. (Form designed for use on elite (12-pitch) typewriter.)						m Approved	I. OMB No.	2050-0039
11		WASTE MANIFEST KY 8890008982 3	2. Page 1 of 3. E	1-270-44	1-6211	0.0	t Trackling N 1684	181	0 J	JK
$\ $	-5	General Services, Inc. (FPDP)	U.S. D	orator's Site Addres OE c/o Flui	s (if different i or Feder	ian mailing addinal Service	ess) es, Inc.	(FPDP))	
		5511 Hobbs Road, Kevil, KY 42053		in Gaseous		•				
$\ $	G	enerator's Phone; 1–270–441–5000	55 11 H	obbs Rd, K	evil, KY	42053 U.S. EPAID	Nimiliae			
П		Transpoter Company Name Hittman Fransport Services				U.S. EPA ID	T	VR0000	34686	
	7.	Transporter 2 Company Name Permafix FL				U.S. EPA.ID	Number			***************************************
	8.	Besignatis CL Besignatis Fally Name and Sin Address 1940 NW 67th Place Gainsville, FL 32653	, , , , , , , , , , , , , , , , , , , 			U,S. EPA ID	Number =1	00207	14074	
		1-352-395-1344		,			1 1	-100001	CIÓLI	
H	F	icifit/a Phone:		•		[,				
	9	"		10, Conta		11. Total Quantity	12. Unit Wt./Vol.	13,	Waste Code	ıs
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ATOF	١,	UN 2910, Radioactive material, excepted package-linguantity of material	nited	2	СМ	1095	K	The second secon		
GENERATOR	-	2.					 			
35		Not DOT Regulated								
	\vdash	3.		$\frac{1}{1}$	DM	. 193	<u>K</u>	K		
	RC	UN 2912, Waste Radioactive material, low specific a	ctivity (LSA		·			1X007	P007	000 000
	-	7. PCB, U-234, solid/oxide	i	1 1	DM	5	K	-001 F	002 U	228
)	NA 3077, Hazardous waste, solid, n.o.s.(contains		1	DM	128	K	F004 F	002 U	228
	1	nchlargethylene), 9, III			L		<u></u>	DOYO	·	
		Special Handling instructions and Additional Information Truck: 238 A. Van: W07586 T.D: 2061522 Ac ERG #161, #162, #171 In the event of an RQ Rel	coumulation (CB Stan		08/05/	1
		See Attachment for Additional Info //2/ pg.o woo H				If undelive Shipmen				1.
	15.	GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this co	onsignment are full	y and accurately de	scribed above	by the proper st	ripping name	, and are clas	ssified, packa	iged,
		marked and labeled/placarded, and are in all respects in proper condition for transport accord Exporter, I certify that the contents of this consignment conform to the terms of the attached to I certify that the waste minimization statement identified in 40 CFR 282.27(a) (if I am a large	EPA Acknowledgme	ent of Consent.	•	.	II export sn	ipment and t	am the Phma	ary].
	Ge	nerator's/Offeror's Printed/Typed Name	Signature		A A	nordiory is duc.	i	Mor		Year
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K	Tee	nsporter signature (for exports only):	Export from U.S.	Port of ei Date lêav						
TER		Transporter Acknowledgment of Receipt of Materials sporter Printed Typed Name	Signalure					Mon	ih Day	Year
TRANSPORTER	1	We Thornbur	IM	Merfl				6	129	16
RAN	Tra	sporter 2:Printed/Typed Name	Signature [·	· ·				Món	ith Day	Year
	18,	Discrepancy					·····			
	18a	Discrepancy Indication Space Quantity		Residue		Partial Rej	ection		Full Reje	clion
) JUL 1 1 2016		Manifest Reference	.Number:					l
_ 1	186	Alternate Facility (or Generator)	IJ			U.S. EPA ID I	Animpar			
FACIL	Faci	lity's Phone:	3314			1				ļ
NAIED	180.	Signature of Alternate Facility (or Generator)						Mor	nth Day	Year
	19.1	lazardous Waste Report Management Method Codes (he., codes for hazardous waste treatme	ent, disposal, and n	ecycling systems)						
	1.	H061 14061	3.	1.1.	6.21	4.	1.565.7			
	20, [Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered to	by the manifest exc	cept as noted in Ite	1/ n 18a		4/4/			
	Print	ed/Typed Name	Signature	7	TA.	A	e-	Mon	th Day	Year.
Y	Corr	9 8700-22 (Ray 2-05). Previous aditions are obsolete		110	THE R	7773		Q		110

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1 UNIFC	ORM HAZARDOUS WASTE MANIFEST 21. Generator ID Number	22. Page	23. Man	lfest Tracking Nu				
	(Continuation Sheet) KY 8890008982	2			006841	810JJK		eronantemorantemorante
24. Ger	nerator's Name .S. DOE do Fluor Federal Services, Inc. (FPDP)							
5	511 Hobbs Road, Kevil, KY 42053 Zalubular	t						
25. Tra	nsporter 1 Company Name Hittman Transport Services			U.S. EPA ID	Number T	NR000	034686	i
26. Tra	nsporter Company Name	A AREA (SACARA A CARA A SACARA A CARA A	<u> </u>	· U.S. EPA ID	Number			
	17h H.C. DOT Description of the Green Obtains Name House Ober ID Number	28. Conta	inare	T	T			
HM a	Prb. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	No.	Туре	29, Total Quantity	30. Unit Wt,/Vol,	31.\	Waste Code	\$
	A 3077, Hazardous waste, solid, n.o.s.(contains richloroethylene), 8, III	1 .	DM	51	к	D040	F001	F002
						U-228		<u> </u>
	A 3082, Hazardous waste, liquid, n.ø.s.(contains hydraulic I), 9, PCB, III	1	DM	13	к	D006	□007	□008
			12.41		ļ. (` <u> </u>	D008	. D011	D027
Ne	ot DOT Regulated							
	60378-7	1 1	CM	1673	K		- and - and the second second	
GENERATOR								144.55
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		-						
22 Speci	ial Handling Instructions and Additional Information Accumation St	 	(0.4 U.S	<u> </u>				
1	RG #171 In the event of an RQ Release, call 1-800-424-8802		ruar Iu	If undelive		art Date		
1	e Attachment for Additional Info			Shipmer				
1)0	410 WEDT HIGH Z) B 30 WEDT HILL 3) D 70 WOOD	HM/						
Printed/T	porter Acknowledgment of Receipt of Malerials reped Name Signature	7 -	······································			Mor	ith Day	Year,
Printed/Ty	ase Thorney 10	21/	1			$\perp \mathcal{U}$	22	2/1/1
34. Transp Printed/Ty	porterAcknowledgment of Receipt of Metafrials /ped Name Signature	-				Mon	ith Day	Year
								L
35. Discre	ералсу							
36. Hazarı								
-		<u> </u>						
36. Hazar	dous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and	recycling systems)			1			
<u> </u>	HILL HILL HILL			и п				****
3		I			1			
'A Form 870	00-22A (Rev. 3-05) Previous editions are obsolete.	GNATED FA	CILITY	TO DESTIN	ATION	STATE (IF REQ	UIRED

Manifest Number: 006841810JJK

Shipment ID Number: 02620

Shipment Date: 6/29/2016

UHWM Section	RFD	Container / WASTE ID	Barcode'	Description	PCB Date to Storage	Accumulation Storage Date	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Maximum Activity (MBq)
9b 1	115917	115917-01	PAD15C25732	NON-PCB TRANSFORMERS	N/A	N/A	45	1872	849.12	1 99
9b 1	118321	118321-01	PAD15C21209	BLDG DEMOLITION DEBRIS (BULK MATERIALS, EMPTY TANKS, TRANSFORMERS, BALLASTS, ETC.)	N/A	N/A	90	1974	895.39	3.99
9b.2	118321	118321-02	PAD15C25530	BLDG DEMOLITION DEBRIS (BULK MATERIALS, EMPTY TANKS, TRANSFORMERS; BALLASTS, ETC.)	N/A	N/A	6.5	270	122 47	N/A
9b.2	118321	118321-03	PAD15C25538	BLDG DEMOLITION DEBRIS (BULK MATERIALS, EMPTY TANKS, TRANSFORMERS, BALLASTS, ETC.)	N/A	N/A	6.5	268	121 56	N/A
9b.3	120194	120194-01	PAD15C21821	RCRA/TSCA/LLW LABPACKED SAMPLE RESIDUALS/EXTRACTS FROM C-710 LAB	08/05/15	08/05/15	0 67	22	9.98	2 83
9b.4	108325	108325-01	PAD16C30586	FILTER CAKE FILTER PRESS CLEANOUT, PLASTIC SHEETING	N/A	07/08/15	7	339	153.77	N/A
27a 1	117399	117399-01	PAD15C21210	FILTER MEDIA AND ASSOCIATED DEBRIS FILTER BAGS, ABSORBENT PADS, PPE (TCE- CONTAMINATED)	N/A	03/04/16	14.71	168	76 20	N/A
27a 2	120085	120085-02	PAD16C31262	OILS AND LIQUIDS DRAINED FROM OBSOLETE AND NON-FUNCTIONAL EQUIPMENT PREVIOUSLY STORED IN THE C-727 FACILITY	06/22/16	06/22/16	0 67	46	20 87	N/A
27a 3	120250	120250-01	PAD16C30401	ACID PIPING GENERATED FROM THE D&D OF THE PGDP C-616-G FACILITY (DRY)	N/A	N/A	85	4404	1997 61	N/A
		Totals	. 9				256 05	9363	4247	8 81

Please print or type. (Form designed for use on elite (12-plich) typewriter.)					Form	Approved. C	MB No. 2050
UNIFORM HAZARDOUS 1. Generator ID Number WASTE MANIFEST KY 8890009882	2 Page 1 of 3. E	mergency Respons	e Phone -441-82		1 Tracking No 1684		JJK
5. Generator's Name and Mailing Address	Gene	erator's Site Address	(if different l	han mailing add	'ess)		
U.S. DOE c/o Fluor Federal Services, Inc. 5511 Hobbs Road, Kevil, KY 42053		U.S. DOE (Paducah G				s, Inc. (F	PDP)
Generator's Phone: 1-270-441-5000	4	5511 Hobbs					
B. Transporter 1 Company Name				U.S. EPA IC		~~~~~	
CAST Transportation				U.S. EPA ID		CR00000	5388
7. Transporter 2 Company Name				U.S. EFAID	Hullioci		
8. Designated Facility Name and Site Address Energy Solutions Clive Disposal Site-Treatn	nont English			U.S. EPA ID	Number		
US I-80 Exit 49, Clive, UT 84029	iters : amily						
1-801-849-2175				1	UT	D98259	3898
9a. 9b, U.S. DOT Description (Including Proper Shipping Name, Hazard Class, II	D Number,	10. Confair		11, Total Quantity	12. Unit WL/Vol.	13. Wa	ste Codes
1.1 N2077 Environmentally barandays substa	ence solid nos	No.	Туре	quantity	1461401		······································
Rd (PCB), 9, PG III	3000, 3000, 11,0.3.,	12	DM	276	к		
² RECEI	VER						
3.	2010	ļ			+-+		
	2016				-		
	<u>U</u>				++		
BY: AM					1 1		
14. Special Handling Instructions and Additional Information Truck: 1417 Trailer: 511 TID:2061560	Accumulation	n Start Date:	N/A	P	CB Start (Date: 1	2/29/15
ERG # 162 In the event of an RQ Release	e, call 1-800-424-8	802					generato
See PCB Attachment for Additional Info 15. GENERATOR'S/OFFEROR'S CERTIFICATION: Thereby declare that the control	ants of this assairances are full	FR0867		Shipmen			
marked and labeled/placarded, and are in all respects in proper condition for tra-	nsport according to applicable in	ternational and natio					
Exporter, I certify that the contents of this consignment conform to the forms of the certify that the waste minimization statement identified in 40 CFR 262.27(a) (if	l am a large quantity generator)		l quantity ger	erator) is true.			
Generators/Offeror's Printed Typed Name Regina, Pew on behalf of	Signature)	*	0.	/		Month	Day Ye
16. Internalization Shipments Import to U.S.	Export from U.S.	Port of enti	1-cc		····	106	011
Transporter signature (for exports only):	Export from U.S.	Date leavin					
17. Transporter Acknowledgment of Receipt of Natierlals Transporter 1 Printed/Typed Name	Signalur					Month	Day Yea
Larry Schultz	San San	w X 1	1 Di			16	1301/2
Transporter Z Printed/Typed Name	Signatura		,			Month	Day Yea
18. Discrepancy		····					
19a Disampaga Indiantian Course [7]	Туре	Residue		Partial Rei	- alian	П	Full Rejection
LI Quantity	туре	Rostalle		L Parcal Rej	BCION	البا	on Kelection
18b. Alternate Facility (or Generator)	}	lanifest Reference I	Yumber:	U.S. EPA ID I	lumber	***************************************	
Facility's Phone:	-			<u>.L</u>			
18c. Signature of Alternate Facility (or Generator)						Month	Day Ye
Facility's Phone: 18c. Signature of Alternate Facility (or Generator) 19. Hazardous Wasto Report Management Method Codes (i.e., codes for hazardous w. 1.	vaste treatment, disposal, and re	cycling systems)					LL
1. H132 -2	3.	•		4.			
20. Designated Facility Owner or Operator: Cartification of receipt of hazardous material	als covered by the manifest exce	pt as noted in Hem	18a			T	
Printed Typed Name J. Gardy	Signalure	Ly de				Month 1 7	Day Yea
A Form 8700-22 (Rev. 3-05) Previous editions are obsolete.	US#	11148110 101	30,3777	e near o	1 (10)5 5	ENVE OF	TAY Y
例2	5-19						

Pl	ease p		ned for use on eilte (12-pitch) typewriter.)				11.05-7		Approved (DMB No. 2	2050-0039
1	٧	VASTE MANIFEST	1 Generator ID Number KY 8890008982	2	Emergency Respons 1-270-441	-6211	0.0	1 Tracking N 1684		<u>3 J.</u>	IK_
	5. G	enerator's Name and Maitin	gAddress Fluor Federal Services, Inc. (FPDP)	Ger	nerator's Site Address U.S. DOE				es Inc (ומחפי	
			oad, Kevil, KY 42053		Paducah G				-e, mo. ţi	(10)	
	Con	erator's Phone: 1~270		1	5511 Hobb						
	6. Tr	ansporter Company Nam	é				U.S EPAID		-		
П	L	CAST Transpo							CORDOO	05389	
		ansporter 2 Company Nam					U.S. EPA ID				
П	8. D	esionated Facility Name and Energy Solution	i Site Address ns Clive Disposal Site-Bulk Waste Fa	acility			U.S. EPA ID	Number			
П		US 1-80 Exit 4	9, Clive, UT 84029								
П	Facil	ity's Phone: 1-435-	-884-0155				1	Ų	JTD9825	98898	
П	9a.		in (including Proper Shipping Name, Hazard Class, 1D Number,		10. Conta	ners	11. Tolai	12 Unit	13 \4	aste Codes	
Ш	HM	and Packing Group (if a			No.	Туре	Quantity	Wt.Not.			
18	l _{nc}		active material, surface contaminated					1		1	
GENERATOR	I KL	1), 7, Np-237, To-99, Th-230, U-234, kide, 2 MBq, Fissile Excepted		1	DM	177	K		Ī	
奥	-	2.	kide, 2 Mibd, Pissile Excepted					-		-+	
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Ш		3			ŀ				***************************************		1
П						1 1		1 1			
		4.						+		+	
	14. S	pecial Handling Instructions	and Additional Information				···				
					on Start Date:			PCB Star		01/05/	
			n the event of an RQ Release, call 1-				lf undelive	erable, ı	eturn to	genera	tor
1	-		Shipment, See PCB Attachment for A				Shipmen				
		marked and labeled/placard	'S CERTIFICATION: I hereby declare that the contents of this or ed, and are in all respects in proper condition for transport accountents of this consignment conform to the terms of the attached	rding to applicable	international and nati						
		certify that the waste minin	ization statement identified in 40 CFR 262.27(a) (if I am a large	quantity generator) or (b) (if I am a sma	ll quantity gen	erator) is true.				
	Gener	rator's/Offeror's Printed/Type	on last all all DAR	Signature) . ,	Par			Month	Day 130	Year
<u>*</u>	16. Int	enational Shipments	Un benatt of ove	I IC	egua	ies			100	100	10
ž		porter signature (for exports		Export from U.S.	Port of ent Date leavin						
出	17. Tra	ansperter Acknowledgment o	of Receipt of Materials								
8		corter 1 Printed/Typed Name		Signature		0/	DX		Month	Day	Year
SP		Larry Sch orter 2 Printed/Typed Name	0172	Signsture	ang z	Ra	eg_		Month	30 Day	1/2
RA	1101101	Anter 2 Planett Typet Harri	-	Jignature	, ,				1	l l	162
-	18. Dis	screpancy								.1	
		iscrepancy Indication Space	Quantity Type		Residue		Partial Re	ection		Full Reject	ion
			nECE	IVE	Manifest Reference	Number:		, solien	-	i an ricjeci	ion
힠	18b. A	Iternate Facility (or General	or)	2016			U.S. EPAID	lumber			
ᅙ			E B JULY X	/ 2010			1				
	Facility 18c Si	r's Phone: gnature of Alternate Facility	(or Generator)		-W				Month	Day	Year
GNATED	100. Oi	g-io-dic or resemble receity	(di Generalor)						Modu]	rear
넔	19. Ha	zardous Waste Report Man	agement Method Codes (i.e., codes for hazardous waste treatme	ent, disposal, and	recycling systems)		***************************************				
	1.	li	2.	3 、			4.	***************************************			
۱		4132									
		signated Fackity Owner or C Typed Name	Operator: Certification of receipt of hazardous materials covered	by the manifest ex Signature	cept as noted in item	188			Month	Dov	Year
\prod	· inited	Albort	Tours	anymature .	? A	5			1 7	Day	16
PA	Form 8		vious editions are obsolete.	DESI	GNATSO EL	10.157/19	T DESTIN	ATIOM C	TATE OF	1 3	(A) (B) (B) (B) (B) (B) (B) (B) (B) (B) (B

Manifest Number: 006841813JJK

Shipment ID Number: 9701-21-0014

Shipment Date: 6/30/2016

UHWM Section	RFD	Container / WASTE ID	Barcode	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Maximum Activity MBq
9b.1	120572	120572-01		NON-LEAKING PCB FLUORESCENT LIGHT BALLASTS, LARGE AND SMALL PCB CAPACITORS.	01/05/16	7.4	446	202	2
		Totals	1			7.4	446	202 ^	2

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Ple		print or type. (Form designed for use on elite (12-pitch) typewriter.)	12			Tr Mante of	For	n Approved.	OMB No. 2050-00
1		IFORM HAZARDOUS 1 Generator ID Number KY 8690008982	2		441-821	1 00	Tracking N 684	181	4 JJK
	5. 0	Senerators Name and Malling Address U.S. DOE o'o Fluor Federal Services, Inc. (FPDP)	U.S	Generator's Site Addres DOE c/o Flu	is (if different th or Feder	an malling addre al Service	iss) 5, Inc. i	(FPDP)	
\parallel		5511 Hobbs Road, Kevil, KY 42053	Pad	ucah Gaseous	Diffusio	n Plant,			
\parallel	Ger	nerator's Phone: 1-270-441-5000	551	1 Hobbs Rd, P	(evil, KY				
	6.7	ransporter 1 Company Name Hittman Transport Services				U.S. EPA ID	Number	TNR000	03/696
$\ $	7. 1	ransporter 2 Company Name				U.S. EPA ID	Number		
						<u>L</u>			
П	8. D	^{esi} 匣ฟelfgysshoti ง hទាល់Ne Disposal Site-Treatment Fac	cility			U.S. EPA ID I	Number	***************************************	
		US I-80 Exit 49, Clive, UT 84029						UTD982	598898
	Faci	1-435-884-0155 lifty's Phone:				1			
Ш	9a.	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Conta		11. Total	12. Unit	13. W	aste Codes
Ш	НМ		11 1	No.	Туре	Quantity	WL/Vol.		
GENERATOR	RC	UN3077, Environmentally hazardous substance, so (PCB), 9, PG-III, (PCB)	ilia, n.o.s.	. 1	СМ	491	K		
ER	<u> </u>								
GE	RC	UN 2913, Radioactive material, surface contaminal (SCO-I), 7, (PCB), Np-237, To-98, U-234, Solid/O		:S 1	CM	3469	ا ,	.,	
		(000-1), 7, (1 00), 14p-237, 10-88, 0-234, 30110/03	nue,	,	CIV	2409	К		
		3.			1 1				
1									
	 	4.							
	14.5	pecial Handling Instructions and Additional Information							
		Truck: 003 Trailer: F480132							: 02/25/16
		ERG # 171, 162 In the event of an RQ Release, to Exclusive Use Shipment, See PCB Attachment for					erable, ent ID:		generator 21-0015
	15.	GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this	consignment are	fully and accurately de	scribed above	by the proper shi	pping name,	and are classifi	ed, packaged,
		marked and labeled/placarded, and are in all respects in proper condition for transport acco Exporter, I certify that the contents of this consignment conform to the terms of the attached	EPA Acknowled	igment of Consent.			n-export any	ment end i em	the Primary
		l certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large rators/Offeror's Printed/Typed Name	Signa		un quantity gene	rator) is true.		Month	Day Year
Ų.	كم	Chelle Telfair on behalf of the US DO	ELO	Edelly	stair			17	119116
		ternational Shipments Import to U.S. porter signature (for exports only);	Export from U.S	i. Port of en Date leavi					
2		ansporter Acknowledgment of Receipt of Materials	***************************************	Date 1924)	ng 0,3.,				
8	Transp	porter 1 Printed/Typed Name	Signat	A 111				Month	Day Year
S.	Transi	SEFF BRUMACEW porter 2 Printed/Typed-Name	Signal	Jeff Burn	zi			Month	Day Year
2									
1 -		screpancy							
$\parallel \parallel$	18a, D	Iscrepancy Indication Space Quantity Type		Residue		Partial Reje	ction	L	Full Rejection
		NECE		stante i A ference	Number:				
	18b. A	Itemate Facility (or Generator)				U.S. EPA ID NU	ımber		
٤,	Facility	's Phone:	5 .20	16		1			
		gnature of Allemate Facility (or Generator).	IATA	U)		Month	Day Year
	19. Ha:	zardous Waste Report Management Melhod Codes (i.e., codes for Randous waste treatment	di dianali a	nd speucling-wetamol					
3 7		11	3,	io recogniting report (ins)		4.			
1	n:Do	H132 H132			40-				
F	rinled	signated Facility Owner or Operator: Certification of receipt of hezerdous materials covered Typed Name	by the manifest Signate		168			Month	Day Year
β Δ\F	and A	Albert Euns		aund	Eine			7	22/16
AT.	urm 8	3700-22 (Rev. 3-05) Previous editions are obsolete.	DE	SIGNATED FAC	CILITY TO	DESTINA	TION S	TATE (IF	REQUIRED)
	20								

Manifest Number: 006841814JJK

Shipment ID Number: 9701-21-0015

Shipment Date: 7/19/2016

ÜHWM Section	RFD	Container / WASTE ID	Barcode	Description	PCB Date to Storage	NET VOLUME (113)	GROSS WT (lb)	NET WT (lb)	Maximum Activity MBq
9b.1	120569	120569-01	PAD16C31261	PCB BEARING SCRAP EQUIPMENT AND MATERIALS	06/21/16	30	1798	1083	N/A
9b.2	120569	120569-02	PAD16C31266	PCB BEARING SCRAP EQUIPMENT (MOTOR)	02/25/16	60	7700	7647	4.95
2		Totals	2			90	9498	8730	4,95

UNIFORM HAZARDOUS WASTE MANIFEST 1. Generator ID Number KY 8890008982 2. Page 1 of 3. Emergency Response Priority 1-270-44.1-621 0 0 6 8 4 2	Approved: OMB No. 2050-	-0039
	1816 JJK	,
5. Generator's Name and Malling Address. U.S. DOE do Fluor Federal Services, Inc. (FPDP) Generator's Site Address (If different than melling address) U.S. DOE do Fluor Federal Services, Inc.	nc. (FPDP)	,
5511 Hobbs Road, Kevil, KY 42053 Paducah Gaseous Diffusion Plant,	ı	
Generator's Phone: 1-270-441-5000 J 5511 Hobbs Rd, Kevil, KY 42053 U.S. EPAID Number	ONESSES A COMPANY OF A CONTRACT AND	-
6. Transporter Company Name Hittinah Transport Services	FNR000034686	
77: Transporter 2: Company Name U.S. EPAID Number	-	
8. Designated: Facility Name and Sile Address U.S. EPAJD Number	' Y'	
1940 NW 67th Place Gainsville, FL 32653 Facilitys Phone: 1-352-395-1344	FLD980711071	
9a. 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 11. Total 12. Unit HM and Packing Group (if any)) No. Type Quantity Wi./vol.	13. Waste Codes	antuismen.
1 NA 3062, lazardous waste liquid, m.o.s. (Ethylene Stycol	D008	,
[Solution), 9, PG-III 1 DM: 72 K		
Solution), 9, PG-III 2 UN 1993, Waste Flammable liquid, n.o.s. (Methanol, 1 DM: 72 K L 60845 BRQ Trichlergethylene) 3 RO (PCR) PG-II 1 DM: 72 K L 60845	D001 F001 F0	02
BRQ Trichloroethylene), 3, RQ (PCB), PG-II 1 DN 11 K	F003 U228	
	F001 F002 F00	00
RQ: Trichloroethylene), 9, RQ (PCB), PG-III	U228	U3
事業事 はましょう しょうきょう ストー・ストー ストー・ストー・ストー・ストー・ストー・ストー・ストー・ストー・ストー・ストー・	art Date: 04/28/16 e, return to gener	
See Attachment for Additional Info Shipment ID:	7 "	are
1/ 1/2/8/9 43/0/ 4/14/ 2/3 2/3/0/0/1 4/14/ 2/3 2/3/0/0/1 4/14/ 2/3 2/3/0/0/1 4/14/ 2/3 2/3/0/0/1 4/14/ 2/3 2/3/0/0/14/14/ 2/3 2/3/0/0/14/14/ 2/3 2/3/0/0/14/14/ 2/3 2/3/0/0/14/14/ 2/3 2/3/0/0/14/14/ 2/3 2/3/0/0/14/14/ 2/3 2/3/0/0/14/14/14/14/0/0/0/0/14/14/14/0/0/0/0	end 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 shipn Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.	ment and I am the Primary	
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 Policied/Typed Name Signature Sign	Month Day Ye	èar
Lochelle Tellair on behalf of the US DOF Reshalle Julian		(q
16. International Shipments Import to U.S. Export from U.S. Port of entry/exit:		
17 Temporate Acknowledgment of Receipt of Natorick		
Transporter 1 Printed/Typed Name Signatura Signatura	Month Day Ye	
Transporter 2-Printed/Typed Name Signature Signature	· · · · · · · · · · · · · · · · · · ·	
		6 Bar
Transporter 1 Printed/Typed Name Transporter 2 Printed/Typed Name Signature Signature Signature Signature		6
18. Discrepancy		6
	Full Rejection	6
18. Discrepancy 18a. Discrep	Full Rejection	6
18. Discrepancy 18a. Discrep	Full Rejection	6
18. Discrepancy 18a. Discrep		ear
18. Discrepancy 18a. Discrep		6
18. Discrepancy 18a. Discrep		ear
18. Discrepancy 18a. Discrepancy indication Space		ear
18. Discrepancy 18a. Discrep		ear
18. Discrepancy Indication Space	Month Day Ye	ear

Manifest Number: 006841816JJK

Shipment ID Number: 02623

ment in Municier.	02020
Chinmont Date:	811010016

UHWM Section	RFD	Container / WASTE ID	Barcode	Description	PCB Date to Storage	Accumulation Storage Date	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)
95 1	119807	119807-01	PAD15C21143	ETHYLENE GLYCOL (ANTI-FREEZE)	N/A	05/12/16	1.6	214	97.07
9b.2	120702	120702-01	PAD16C30475	Solution from sample analysis using PCB test kits	07/07/16	04/27/16	0,33	37	16 78
9b:3	120703	120703-01	PAD16C30476	PPE paper plastic glass debris PCB kits sample analysis	04/28/16	04/28/16	6	120	54 43
		Totals	3				7.93	371	168

Ple		int or type. (Form desigr		-pitch) typewriter.)	-						Approved.	OMB No.	2050-00
1		FORM HAZARDOUS ASTE MANIFEST	1. Generator ID Number	′ 8890008982	2. Page 1 of 2	3. Emerge		e Phone 41-6211	1	t Tracking Ni 1684		o .l.	JK
		nerator's Name and Mailing			- 1	Generator's			an mailing addr		401	<u> </u>	O I I
		U.S. DOE 0/0	Fluor Federal :	Services, Inc. (FPDP)	į	J.S. D	0É c/o l	Fluor Fe	deral Sei	vices li	no (FPI) P \	
			oad, Kevil, KY	•					usion Pla			~' /	
	Gene	rator's Phone: 4 270 Insporter 1 Company Name							KV.stawa			Tarana Managara	Mer Augusta
	6. Ira	insporter 1 Company Name	, , , ,					-,	I U.S. EPATE	Mumber			
	7. Tra	Hittman Trans	port Services		week to the same of the same o			on the second se	U.S. EPA ID	Number T	NR000	98488 6	
		,,,						-	1				
	8. Des	signated Facility Name and							U.S. EPA ID	Number			
			•	al Site-Treatment Fac	cility								
	L	US 1-80 Exit 4		029			•		ı	U	TD982	596696	
			-884-0155	ng Name, Hazard Class, ID Number,			10. Contai	nore	11, Total	40.25-7	**************************************		PKT as commented by
	9a. HM	and Packing Group (if ar		ng ivanie, nazaru olass, io rumber,			No.	Туре	Quantity	12. Unit Wt./Vol.	13.1	Naste Code	S
1		1.	de Cleaner del vi	limida O DO	u main	004							
ATO!	BO	D038)	ite Flammable :	Liquids, n.o.s., 3, PG-	·II. PKW(L)	ויטטיו	1 .	DM	චිති		D001	D038	_P02
GENERATOR		2	,				1	MAI.	UO	K .	U154	U190	U22
E		11N 2811 Was	ta Tavia Galida	, organic, n.o.s., 8.1.	D/S II						11400		
	Х	S.4 2011, Was	re invicioning	i, di gariio, m.u.z., u. i.	F 69~()		4	ם אם	А	i.e.	U188		
		3.					and the second s					***********	
		UN 2810, Was	te Toxic Liquid	s, organic, n.o.s., 6.1,	PG-III						D080	** * ** (**) researche proportier	e Technic - number auchternich
	X.	4.						-DM-	- 88	$+\kappa-$		To the second se	
l						.							-
	. 1			Liquids, n.o.s., 3, PG-	11		1	DM	4	К	D001		
	14. Sp	ecial Handling Instructions				. 7 944.	. <u> </u>	N. 12. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	***				
		Truck: 107C V:		IL): 2062387 event of an RO Release,	Accumula					PCB Str			7/16
		See PCR Attac			Can I-ouu	-424-0	buz	i	f undelive	erable, r -1. ID.	eturn to	gener	ator
		ENERATOR'S/OFFEROR	S CERTIFICATION: The	ereby declare that the contents of this in proper condition for transport acco									
	E	xporter, I certify that the co	ntents of this consignmen	t conform to the terms of the attached	EPA Acknowle	dgment of	Consent.			s, ii export siii	niieii(aild i e	an the Prima	шу
		certify that the waste minim ntor's/Offeror's Printed/Type		ed in 40 CFR 262.27(a) (if I am a large	quantity gener Slana	THE RESERVE OF THE PERSON NAMED IN	(if I am a sma	ıll quantity ger	erator) is true.		Mon	th Day	Year
1	Local	11 11 il	air on be	half of the US		L	Della	لاتكال	Haii	_	18	126	
Ξ	16, Inte	ernational Shipments	Import to U.S.		Export from U.S	S.	Port of en	try/exit:					<u> </u>
Z		orter signature (for exports	only):				Date leavi	ng U.S.:					
出		nsporter Acknowledgment of orter 1 Printed/Typed Name		A CONTRACTOR OF THE PROPERTY O	Signa	fure .	^				Moni	h Day	Year
NSPOR	5	Shevil	Jones		1	151	resi	Loc	es.		109	·	16
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TRA								<u> </u>	***	-			
\uparrow		crepancy		[]									
Ш	18a. Dis	screpancy Indication Space	Quantity	Туре			Residue		Partial Re	jection		_ Full Reje	ction
						Manife	est Reference	Number:					
=[18b. Alt	ernate Facility (or Generate	or)			W. 100 100 100 100 100 100 100 100 100 10			U.S. EPA ID	Number	and the second s	-	
2									ı				
		s Phone: mature of Alternate Facility	(or Generator)		THE RESERVE OF THE PARTY OF THE				1		Mon	th Day	Year
A			,										
5	19. Haz	ardous Waste Report Man	agement Method Codes (i	i.e., codes for hazardous waste treatn	nent, disposal, a	and recyclin	ng systems)	NORTH TRANSPORTED TO A STATE OF THE STATE OF					
5	1.		2.	The state of the s	3.			210	4.		- Control of the Cont		- Carrier Milane
-	20 Dac	Ignated Egallin, Owner or	Inorgion Continenting of	context of hozardous and the second	I by the marile	of aviant	noted to No	180			-	- Comment of the Comm	-
1 L		Typed Name	perator, certification of re	ecelpt of hazardous materials covered	signa	COLUMN THE PARTY OF THE PARTY O	пед пгрэм с	ı ıüd	AUSCALA EI PET AUSCALANDA AUGUSTA		Moni	h Day	Year
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PCB and Additional information Attachment, rago a or a

Manifest Number: 006841819JJK

Shipment ID Number: 9701-15-0008

Shipment Date:

8/26/2016

UHWM Section	RFD	Container / WASTE ID	Barcode	Description	PCB Date to Storage	Accumulation Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)
9b.1	120855	120855-01	PAD16C31582	CLASS 3 ORGANIC AND INORGANIC LIQUIDS - 20 LITER PYRIDINE - 7 L TOLUENE - 1500 ML CARBON DISULFIDE, 500 ML DECAHYDRONAPHTHALENE, 118 ML DIACETYL (DIKETOBUTONE), 500 ML ETHYL ACETATE, 7.52 L METHANOL, 1 L N-BUTYL ACETATE, 500 ML P- XYLENE	N/A	08/17/16	1.01	202	91.63
9b.2	120858	120858-01	PAD16C31580	DIVISION 6 1 SOLIDS - PHENOL - SOLID - 200 G	N/A	08/17/16	0.1	18	8.16
9b.3	120859	120859-01	PAD16C31583	DIVISION 6 1 LIQUIDS - METHYLENE CHLORIDE - 14.4 LITER BOTTLES - 56 LITERS TOTAL	N/Ą	08/17/16	2	272	123.38
9b.4	120860	120860-01	PAD16C31581	CLASS 9 LIQUIDS AROCHLOR STANDARDS IN ISOOCTANE - AROCHLOR 1242 1000 UG/ML 2 ML-AROCHLOR STANDARDS IN HEXANE - AROCHLOR 1016 1000 UG/ML 7 ML - AROCHLOR 1016/1260 MIX 1000 UG/ML 1 ML - AROCHLOR 1221 1000 UG/ML 8 ML - AROCHLOR 1232 1000 UG/ML 9 ML - AROCHLOR 1242 1000 UG/ML 8 ML - AROCHLOR 1248 1000 UG/ML 9 ML - AROCHLOR 1254 1000 UG/ML 9 ML - AROCHLOR 1254 1000 UG/ML 9 ML - AROCHLOR 1254 1000 UG/ML 9 ML - AROCHLOR 1260 UG/ML 12 ML	08/17/16	08/17/16	0.1	18	8.16
		Totals	4				3.21	510	231

Manifest Number: 006841813JJK

Shipment ID Number: 9701-21-0014

Shipment Date: 6/30/2016

UHWM Section	RFD	Container / WASTE ID	Barcode	Description .	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Grass Wt (Kg)	Maximum Activity MBq
9b.1	120572	120572-01		NON-LEAKING PCB FLUORESCENT LIGHT BALLASTS, LARGE AND SMALL PCB CAPACITORS.	01/05/16	7.4	446	202	2
		Totals	1			7.4	446	202 *	2

PI	ease	print or type. (Form designed for use on elite (12-pltch) typewriter,)							n Approved	. OMB No.	2050-003
1		WASTE MANIFEST KY 8890008982	2	1	ergency Respons -270-441-	6211	00	1 Tracking N 1684	182	2 J	JK
	5.	. Guerator Hame and Malling Address ederal Services, Inc. (FPDP)	U.S.	BBE	lor's Sile Addres: CO Fluor	s ((Ldifferent) Federa	han malling address of Services	i, Inc. (F	PDP)		
		5511 Hobbs Road, Kevil, KY 42053	Padu	cah	Gaseous I	Diffusio	n Plant.	·	·		
	G	enerator's Phone: 1-270-441-5000	5511	Hob	bs Rd, Ke	vil, KY	42053				
	6.	Transporter 1 Company Name Cast Transportation	·			4:::::::::::::::::::::::::::::::::::::	U.S. EPA 1D		20000	GEN MM	
	7	Transporter 2 Company Name				,,	U.S. EPA ID		OR0000	U0388	
	Γ	,					1	(1411144)			
	8.	D现种纳姆的网络州南部	**************************************		····		U.S. EPAID	Number			Warrana (***********************************
П	1.	657 Gallaher Rd., Kingston, TN 37763 1-865-376-0084	,					T	VD9821	09142	
П	Fa	1-800-376-DU84					1				
	9:			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10. Contai		11. Total	12. Unit	13.1	Waste Code	Š
$\ \ $	H	WN 2912. Waste Radioactive material, low specific a	ctivity		No.	Туре	Quantity	Wt./Vol.	D0291	F001	
TOR M	†Q	(LSA-I), 7, (PCB), Np-237, Pu-239, To-99, Th-228, T	-		5	ЬМ	880	ĸ			1 002
ERA	L	lliquid/Oxide, 150 MBq, Fissile Excepted	······································						U220	U220	
GEN GEN	a	2.			•		•				
1											
$\ $	Γ	3.					,				***************************************
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	┢	4.				<u> </u>					<u></u>
							,				
	14.	Special Handling Againstons and Additional Information: 2062368 Apr				WE MAD		<u></u>			
		ERG # 162 In the event of an RQ Release, call 1-8			rt Date: 09		f undeliver	PCB St		.,	5/16
		Exclusive Use Shipment, See PCB Attachment for Ac					Shipmen		DSSI-1		cor
	15,	GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this ca	onsignment ar	e fully a	nd accurately des	scribed above	by the proper sh	loping name.	and are clas	sified, packa	ged,
		marked and labeled/placarded, and are in all respects in proper condition for transport accord Exporter, I certify that the contents of this consignment conform to the terms of the attached in	EPA Acknowle	dgment	of Consent.			If expart ship	oment and I a	m the Prima	Ŋ
	Gen	I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large erator's/Orieror's Printed/Typed Name	quantity gener Signa		(b) (if I am a sma	II quantity ger	nerator) is true.	»»»»»»»»»»»»»»»»»»»»»»»»»»»»»	Mont	h Day	Year
\downarrow	Ŀ	Chelle Telfair in behalf of the USDDE	10	32	ecula	Davi	ن.		. 110	127	116
Ę			Export from U.S	3.	Port of ent						
H.		nsporter signature (for exports only): Transporter Acknowledgment of Receipt of Materials	,	$\overline{}$	Date leavir	ig violi	Name of the second	·····		***************************************	
ਨ	Tran	sporter 1 Printed/Typed Name	Signa		-			4**********	Mont	•	Year
TRANSP(Tran	James Jones sporter 2 Printed/Typed Name	Signa	LIFE S	mes	4	ergils.		Mont	h Day	/6 Year
TRA TRA			1.			ν		,	1		
↑		Discrepancy									
П	18a.	Discrepancy Indication Space Quantity Type			Residue		Partial Reje	ection		Full Rejec	lion
		OCT 27 2016		Ma	nifest Reference	Number:					
È	18b.	Alternate Facility (or Generator)					U.S. EPA ID N	umber			
FACILITY	Facil	ity's Phone;					1	•	•		l
		Signature of Alternate Facility (or Generator)							Mon	h Day	Year
S.A.	10 11	Paradan Mada Danat Hanagaan (Halla Jo.) - 73 - 13 - 54 - 54 - 54 - 54	ul dinne-i	nd	allow and are -1						Щ
깕	19. H	lazardous Waste Report Management Melhod Codes (i.e., codes for hazardous waste trealme 2.	an, uisposai, a	nu recy	ang systems)		4.				
٦		,	L					******	····		
		esignated Facility Owner or Operator: Certification of receipt of hazardous materials covered bed Typed Name	by the manifest Signat		as noted in Item	18a	1		Mont	h Day	Year
t l		1) Ou un (70 mett.	1		Jan	J. M	you i	with	1//	7127	16
PAI	nm	8700-22 (Rev. 3-05) Previous editions are obsolete.	ne	SIGN	ATEN EA	TVT	ODESTIN	ATIONIC	TATE	E DEOL	IDEN

Manifest Number: 006841822JJK

Shipment ID Number: DSSI-16-112

Shipment Date: 10/27/2016

UHWM Section	RFD	Container / WASTE ID	Barcode	Descriptioπ	PCB Date to Storage	Accumulation Storage Date	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Maximum Activity MBq
9b.1	120357	120357-01	PAD16C31856	SLUDGE OR SLURRY THAT IS PRIMARY WASTE AND SLUDGE OR SLURRY GENERATING AS SECONDARY WASTE (e.g., DURING DECONTAMINATION EFFORTS).	09/15/16	09/15/16	7.3	418	189.60	27.97
9b.1	120357	120357-02	PAD16C31857	SLUDGE OR SLURRY THAT IS PRIMARY WASTE AND SLUDGE OR SLURRY GENERATING AS SECONDARY WASTE (e.g., DURING DECONTAMINATION EFFORTS).	09/15/16	09/15/16	7.3	458	207.74	31.06
9b.1	120357	120357-03	PAD16C31858	SLUDGE OR SLURRY THAT IS PRIMARY WASTE AND SLUDGE OR SLURRY GENERATING AS SECONDARY WASTE (e.g., DURING DECONTAMINATION EFFORTS).	09/15/16	09/15/16	7.3	422	191.41	28.28
⁻ 9b.1	120357	120357-04	PAD16C31859	SLUDGE OR SLURRY THAT IS PRIMARY WASTE AND SLUDGE OR SLURRY GENERATING AS SECONDARY WASTE (e.g., DURING DECONTAMINATION EFFORTS).	09/15/16	09/15/16	7.3	444	201.39	29.98
9b.1	120357	120357-05	PAD16C31860	SLUDGE OR SLURRY THAT IS PRIMARY WASTE AND SLUDGE OR SLURRY GENERATING AS SECONDARY WASTE (e.g., DURING DECONTAMINATION EFFORTS).	09/15/16	09/15/16	7.3	478	216.82	32.61
		Totals	5 .				36.50	2220	1007	150

71	ase (orint or type. (Form desig	ned for use on elile	(12-pilch) typewriter.)								DMB No. 2050-0039
11	1	IIFORM HAZARDOUS WASTE MANIFEST	1	W. GOSDONGSGT		2	Emergency Respor 1-270-441-	6211	1 00		1824	
Ш	5, 0	Seneralog Name and Mallin	Addiess Fluor Federa	al Services, Inc.	(FPOP)	G ₀	neralor's Sile Addre S. DOE c/c	sa fil different Fluor F	han mailing addr ederal Se	ess) rvices, l	no. (FPC)P)
Ш		6511 Hobbs R	oad, Kevil, K	Y 42053		P	aducah Gas	eous Dif	iusien Pla	int,	·	
П	Gar	nerelor's Phone: 1-270 ransporter 1 Company Nam	-441-5000		*******	6	11 Hobbs F	d, Kevil	, KY 4205		······································	
П	":	Hittman Trans		5					0,5, EFA10		TNRODOC	134686
П	7.1	ransporter 2 Company Num						***************************************	U.S. EPAID	Number	**************************************	
	8. 0	esientelfeyjathutas	HE CHIPE DISP	osal Site-Treatn	nent Fac	Hitu			U.S. EPAID	Number		
Ш		US I-80 Exit 4	9, Clive, UT									
	Fac	1–435 lity's Phone:	884-0155						1	U	TD98259	98998
	9a. HM	and Packing Group (if as	ryl)	apping Name, Hazard Class,			10. Cont	ainers Type	11. Total Quantity	12. Unil WL/Vol.	13. W	aste Codes
8	X			ve material, exc	epted pa	ackage-	,	Ī	A 4=		F001 1	002 U220
RATC		limited quantity	y of material,	7			1	CM	317	K	U228	
- GENERATOR		2.	ECE	EIVE	1							· · · · · · · · · · · · · · · · · · ·
		3.	NOYO	7 2016							·	
		4.	111	A	,							- 4
1	14. 5	bedal Haldling Dath dions	and Addilfgral Inform	ilion_rim. anada	LOP A					<u> </u>		
l				TID: 20823 fan RQ Releasi			Start Date: (802		f undelive	PCB Sta rable, r		04/05/16
		See Attachmer				PMO		·	Shipmen			- 1
		GENERATOR'S/OFFEROR marked and labeled/placard Exporter, I certify that the co	ed, and are in all respo	acle in proper condition for tr	ansport accord	onsignment are fu aldcalled a gollcable	lly and accurately de International and nat	evoda bedinse mmevog lanol	by the proper sh ental regulations,	ipping name, Il export ship	and are classif ement and I am	ed, packaged, the Primary
		I certify that the waste minim rator's/Offeror's Printed/Type	izalion statement iden	illed in 40 CFR 262.27(a) (l am a large	quantily generator Signatur	or (b) (iii am a sm	all quantily ger	eralor) is true.		Month	Day Year
\downarrow	La	ChelleTelto		half of the	USDAC	E108	Rellie	Jelfon	<u></u>		170	128/16
Ę		lernational Shipments sporter signature (for exports	Import to U.S	L.		Export from U.S.	Port of en Date leav	iry/exit				
出	17. Tr	ansporter Acknowledgment o	f Receipt of Materials				1					
8	Trans	porter 1 Printed/Typyth Name	11/1/1/	y-		Signature	Millie	1///	lve		Month 110	Day Year 28 16
SAS	Trefis	porter 2 Printed P ped Namp	1000	<u></u>		Signature	y wy	700			Month	Day Year
7	18. DI	screpancy										
	18 a. C	Discrepancy Indication Space	Quantity		Туре		Residue		Partfal Reje	iction		Full Rejection
<u> </u>	(8b. A	ilemate Facility (or Generate	n)				Manifest Reference	Number:	U.S. EPAID N	umber	A V-010,00,000	
3			-									
	acilih Bc. S	/a Phone: gnature of Allemate Facility	(or Generalor)				vate transmission or		<u> </u>		Month	Day Year
E L										,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
ğ	9, Ha	zardous Wasle Report Mana	gement Method Code 2.	s (i.e., codes for hazardous	waste trealme	nt, disposal, and r	ecycling systems)	·	- 4,		************************	
	H	132										
		signated Facility Owner or O VTyped Name	perator: Certification o	i receipt of Rezardous maler	tais covered b	y the manifest exc Signature	ept as noted in Itom	18a			Month	Day Year
<u>U</u>	11	nomas Wr	ight	hadula		17.	_ <i>W_</i> _					0116
Αl	orm	8700-22 (Rev. 3-05) Pre	Aichte annious sus o	กรถโยเด"		OBE	emated fa	CHANNE THE	y nerving	बाराजा ड	Tare pr	rienumed)

Manifest Number: 006841824JJK

Shipment ID Number: 9701-02-0015

Shipment Date: 10/28/2016

UHWM Section	RFD	Container I WASTE ID	Barcode	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)
9b.1	120358	120358-03	PAD16C31864	POTENTIALLY "SOILED" SECONDARY WASTE EMANATING FROM CONTACT WITH PRIMARY WASTE STREAMS INCLUDING BOUNDARY CONTROL WASTE (E.G. STEP OFF PADS, GLOVES, ABSORBENT PADS, PPE, RESPIRATOR CARTRIDGES) AND SAMPLING EQUIPMENT NOT BEING DECONTAMINATED (E.G. COLIWASA) AND PRIAMARY WASTE FROM WITHIN THE NEUTRALIZATION PIT NOT ABLE TO BE PACAKGED AND TRETED WITH THESLUDGE/SLURRY (I.E. RFD 120357)	04/05/16	80	1410	640
		Totals	1			80	1410	640

Pl	ease	print or type. (Form designed for use on elite (12-pitch) typewriter.)					For	m Approved.	OMB No.	2050-0039
	1	WASTE MANIFEST 1. Generator 10 Number KY 6890006982		1-270-	441-621	41 00	Tracking I	1182	5 J .	JK
	5.	Generator's Namo and Mailing Address U.S. DOE c/o LATA Kentucky, LLC	Gener	ator's Sile Address 3. DOE o'u	n in aretibli) i	an mailing addre Cooks sekv	iss)			
Ш		761 Veterans Avenue, Kevil, KY 42053		ducah Gas				10 Habbe	: Rrl	
Ш	G	enerator's Phone: 1-270-441-5000		dl. KY 420						-
Ш	6.	Transporter 1 Company Name				U.S. EPAID	Number			
Ш	7.	Hittman Transport Services Transporter 2 Company Name	**********************	~	***************************************	U.S. EPAID	Number	TNROOD	03468	3
\prod						1				
П	0.	Designated Facility Name and Sile Address				U.S. EPAID	Number			
$\ $		EnergySolutions Clive Disposal Site-Bulk Waste F	acility							
H	Fa	cility USI-80 Exit 49, Clive, UT 84029				1		UTD982	596898	3
	92 HI			10. Contali No.	ners Type	11. Total Quantity	12. Unit Wt./Vol.	13. W	asle Codes	
l e		NA3077, Hazardous Waste, Solid, n.o.s., (Trichlor	roethylene,					_F001	E002	U22d
Z		PCB), 9, PG III		1	СМ	233	K	UDDE		
- GENERATOR). RECEIVER								
	r	3. NOV 0 7 2016								
	<u> </u>	4								
		A.A.	•	,						
	14,	Special Handling Instructions and Additional Hatermation Truck: 232C Van: W07586 TID: 2062365	Accumulation S		DIAMO		D // D // C+			Atars
		ERG #171 In the event of an RQ Release, call				f undelive		art Date: refum to		
		Exclusive Use Shipment, See PCB Attachment for				Shipmer		7307-03		1
	15,	GENERATOR'S (OFFEROR'S CERTIFICATION: 1 hereby declars that the conlents of this marked and labeled/placented, and are in all respects in proper condition for transport acce Exporter, I certify that the contents of this consignment conform to the terms of the attaches [certify that the waste minimization statement it dentified in 40 CFR 20227(a) (if it am a large	ording to applicable inte f EPA Acknowledgmen	and accurately des motional and nation	cribed above b nal governmen	ntal regulations.	pping name, If export ship	, and are classif programment and I am	ied, packey the Primar	ed,
	Gen	neralor's/Offeror's Printed/Typed Name	Signature	. A. I	۸ ۸			Month	Day	Year
٠	Le	achelle Teltair on behelf' of the USDA	Floor	المالليلا	yr_	<i>-</i>		1/0	28	16
틸		Importer signature (for exports only):	Export from U.S.	. Port of entr Date leaving						
K	17. 7	Transporter Acknowledgment of Receipt of Materials								
Š	Tren	sporter Printed Typed Name	Signature	Lister	Will	la a		Month 110	1 25% 1	Year
S	TUA	Sporter 2 Printed Type A Name	Signature	very ,	12412	7		Month	Day	Year
				······································						
1		Discrepancy Indication Space Duratily Type		7						
	ion.	Discrepancy Indication Space Quantity Type		_ Residua Inifest Reference N	L lumbac '] Partial Rejec	dian	<i>ل</i> ــــا	Full Reject	on .
<u>:</u>	18b.	Alternate Facility (or Generator)				U.S. EPAID No	mber		**********	
2	eni	ity's Phone:			1					- 1
		ny s Frione: Signalure of Allemata Facility (or Generator)	water-1	***************************************				Month	Day I	Year
	19, H	lazardous Wasle Report Management Method Codes (i.e., codes for hazardous waste treatm	ent, disposal, and recy	ding systems)					J	
5	١,	11.137	3.			4.				
-	20, D	esignated Facility Owner or Operator, Certification of receipt of hazardous materials covered	by the manifest except	as noted in Item 1	8a					
		ad/Typed Nama	Signature	1	. 			Month	Day	Year
20 5		18700-22 (Rev. 3-05) Previous editions de obsolete.	175	<u>- </u>	11 1 (2h 2 e3m		#* # 4 ···		101	16
'A I	OHIO	1 01 00-22 (Nev. 2-00) Previous editions.dis dosoiste.	OBSIGN	iateo fac	ILITY YO	DESTINA	TIONS	Tate (if	HEQUIA	red}

Manifest Number: 006841825JJK

Shipment ID Number: 7307-03-0002

Shipment Date: 10/28/2016

UHWM Section	RFD	Container / WASTE ID	Barcode	Description	PCB Date to Storage	Accumulation Storage Date	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)
9b.1	120358	120358-02	PAD16C31264	POTENTIALLY "SOILED" SECONDARY WASTE EMANATING FROM CONTACT WITH PRIMARY WASTE STREAMS INCLUDING BOUNDARY CONTROL WASTE (E.G. STEP OFF PADS, GLOVES, ABSORBENT PADS, PPE, RESPIRATOR CARTRIDGES) AND SAMPLING EQUIPMENT NOT BEING DECONTAMINATED (E.G. COLIWASA) AND PRIAMARY WASTE FROM WITHIN THE NEUTRALIZATION PIT NOT ABLE TO BE PACKAGED AND TREATED WITH THE SLUDGE/SLURRY (I.E. RFD 120357)	09/14/16	 09/14/16	68	1228	557
		Totals	1		•		68	1228	557

PI	eas	e print or type. (Form designed for use on elite (12-pitch) typewriter.)							m Approved	I. OMB No.	2050-0039
	1	UNIFORM HAZARDOUS 1. Generator ID Number WASTE MANIFEST 1. Generator ID Number 1. Senerator ID Number	2			441-621	11 OO	Fracking N	-1.82	.6 J	JK
П	1	. GanU.영. 법정면 성정에 위험명을 Federal Services, Inc. (FPDP)		67.53.10	BULLO	#Morr#	ederal Se	rvices.	Inc. (FF	PDP1	
H	l	5511 Hobbs Road, Kevil, KY 42053					fusion Pla			•	
П	1	enerator's Phone: 1-270-441-5000		5511	Hobbs R	d, Kevil	, KY 4205	3			
	E	Transporter 1 Company Name Hittman Transport Services		L			U.S. EPAID	Number			
Ш	1								TNROO	003468	36
		Transporter 2 Company Name					U.S, EPAID	Number			
Ш	1	Doshpaled Facily Name and She Address Disposal Site-Treatment Fac	ility				U.S. EPAID	Numbet			
		US I-80 Exit 49, Clive, UT 84029 1-435-984-0155					1		UTDg8	250880	А
Ш	_	actity's Phone: 9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number,	·		10, Contair	ore 1	11. Total	12. Unit			
		and Packing Group (fany) (NA 3082, Hazardous waste, Tiquid, n.o.s.			No.	Туре	Quantity	WLVol.		Wasle Code	
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RAT	Ľ	A second and seconds and second			۵.	''	INE	<u> </u>	U226	U228	
- GENERATOR		2 DETAIL									
		9. WWA 8 3 2218									
		1 BY: ON					······································				
	14	SPETALLERING SECTION SECTION SECTION SPECIAL SECTION S	L ani ina il-	tion Ch	int Date: C	0144148	· •	200 0	rt Date:	09/1	A 14.0
ı		ERG#171 In the event of an RQ Release, call 1-			ni wate. C		lf undelive				
		See Attachment for Additional Info					Shipmen				
1	16.		onstonment a	re fully and	accurately dass	evoda bedix	by the proper shi	pping name,	and are clas	sified, packa	gad,
		Exporter, I certify that the contents of this consignment conform to the forms of the sitsched it certify that the waste minimization statement identified in 40 CFR 252.27(a) (if I am a large	EPA Admowle	dgment of	Consent.						"
l	Ge	terator's/Offeror's Printed/Typed Name	Slop	alture		1/2	20.4.	4.31	Mon		Year
+	16	egina reason benatt of Dot		Legy	un Te	w//X	حرللمك	Mar	-1/10	120	16
Ę		resporter signature (for exports only):	Sport from U.	s. V	Port of entry Date leaving			+		·····	
田	17.	Transporter Acknowledgment of Receipt of Materials									
Š	Tra	Isporter 1 Printed/Typed Name	Signa	alure	Itan 1	1/1/	4	•	Mont	المحتمار الم	Year
RANS	Tra	asporter 2 Printe dripped Name	Slovi	akire	gag 1			**********	Moni	h Day	Year
→	18.	Discrepancy					······				
Ш	188	Discrepancy Indication Space Quantity Type			Residue		Partial Reje	tion		Full Rejec	tion
١				Manife	st Reference N	umber:		., <u></u>			
	186	Alternate Facility (or Generalor)					U.S. EPA ID No	mber			1
		ity's Phone:								,	<u></u>
3	18¢.	Signature of Allemata Facility (or Generator)							Mon	h Day	Year
2	9.1	fezardous Waste Report Management Mathod Codes (i.e., codes for hazardous waste treatme	nt, disposal, a	ind recyclin	g systems)		14.				
		H132 2	٥.				3 .				
		esignaled Facilly Owner or Operator: Certification of receipt of hazardous materials covered b ad/Typed Name	y the manifes Skinal		nded in item 1	la			Mesi	. Day	Year
μ'	1111	Tomas Wight	aighai	11114 	1).	-			Monu	O L	16
AF	OIT	8700-22 (Rev. 3-05) Previous editions are obsolete.	DG	BIGNO	red file	1477 10	DESTRU	TION S	TATE (H	RECEI	HELL)

Manifest Number: 006841826JJK

Shipment ID Number: 9701-24-0003

Shipment Date: 10/28/2016

UHWM Section	RFD	Container / WASTE ID	Barcode	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)
9b.1	120356	120356-02	PAD16C31263	AQUEOUS PRIMARY AND SECONDARY WASTE. AQUEOUS WASTE HAVING SOLID PARTICULATES EMANATING FROM THE SLUDGE THAT CANNOT BE FILTERED FROM ENTERING THE WASTE CONTAINER IS TO PACKAGED AND TREATED WITH THE SLUDGE/SLURRY (I.E. rfd 120357).	09/14/16	44	2828	1283
9b.1	120356	120356-03	PAD16C31852	AQUEOUS PRIMARY AND SECONDARY WASTE. AQUEOUS WASTE HAVING SOLID PARTICULATES EMANATING FROM THE SLUDGE THAT CANNOT BE FILTERED FROM ENTERING THE WASTE CONTAINER IS TO PACKAGED AND TREATED WITH THE SLUDGE/SLURRY (I.E. rfd 120357).	09/14/16	16	594	269
		Totals	2			60	3422	1552

6. PCB WASTE CERTIFICATES OF DISPOSAL

Certificates of Disposal (CDs) that have been received by the facility during the CY for PCB wastes disposed of are annual records required by 40 *CFR* § 761.180(a)(1)(ii). Twenty-two CDs were received in 2016 from the following facilities:

- Energy Solutions disposal facility in Clive, Utah;
- Clean Harbors Deer Park, LLC, facility in La Porte, Texas;
- DSSI/Perma-Fix facility in Kingston, Tennessee;
- Perma-Fix Materials & Energy Corporation (M&EC) facility in Oak Ridge, Tennessee;
- Veolia Technical Solutions in Port Arthur, Texas; and
- Perma-Fix in Gainesville, Florida.

Table 6.1 lists the UHWM number, disposal facility, date disposed of, number of PCB containers/items disposed of, and weight in kilograms of PCBs items shipped. The weights listed in the table were obtained from the UHWMs.

The CDs on the following pages are presented in order by UHWM number. If the CD received in 2016 was for waste shipped in 2015, the manifest will be found in Section 5, PCB Waste Manifests.

Table 6.1. PCB Waste Certificates of Disposal Summary

UHWM	Date Removed from Service	Date Shipped	Disposer	Containers Disposed of	Net Weight (kg)	Date Disposed of	Date CD Received
006841697JJK	10/4/2013	2/10/2015	M&EC, Oak Ridge, TN	1	3	2/22/2016	3/23/2016
006841724JJK	8/31/2015	8/31/2015	Veolia Technical Solutions, Port Arthur, TX	1	19,205	10/6/2015	1/19/2016
006841725JJK	8/31/2015	8/31/2015	Veolia Technical Solutions, Port Arthur, TX	1	17,980	10/4/2015	1/19/2016
006841726JJK	9/3/2015	9/3/2015	Veolia Technical Solutions, Port Arthur, TX	1	18,425	10/10/2015	1/19/2016
006841729JJK	9/9/2015	9/9/2015	Veolia Technical Solutions, Port Arthur, TX	1	18,815	10/19/2015	1/19/2016
006841734JJK	9/13/2015	9/14/2015	Veolia Technical Solutions, Port Arthur, TX	ur, TX 1		10/7/2015	1/19/2016
006841735JJK	9/14/2015	9/14/2015	Veolia Technical Solutions, Port Arthur, TX	1	18,525	10/9/2015	1/19/2016
006841763JJK	6/8/2015	11/12/2015	Perma-Fix-DSSI, Kingston, TN	1	8	4/8/2016	4/21/2016
006841786JJK	12/21/5015	12/21/2015	Clean Harbors, LaPorte, TX	1	14,415	12/24/2015	1/7/2016
006841787JJK	12/22/2015	12/22/2015	Clean Harbors, LaPorte, TX	1	13,326	12/27/2015	1/7/2016
006841788JJK	12/29/2015	12/29/2015	Clean Harbors, LaPorte, TX	1	13,834	1/1/2016	1/7/2016
006841789JJK	12/31/2015	12/31/2015	Clean Harbors, LaPorte, TX	1	12,555	1/3/2016	1/7/2016
006841794JJK	4/22/2015	3/23/2016	Perma-Fix-DSSI, Kingston, TN	3	562	7/21/2016	8/2/2016
006841795JJK	6/3/2015	3/28/2016	EnergySolutions, Clive, UT	1	819	5/26/2016	6/14/2016
006841798JJK	4/9/2015	3/28/2016	EnergySolutions, Clive, UT	52	2734	6/23/2016	7/5/2016
006841802JJK	8/12/2015	5/24/2016	EnergySolutions, Clive, UT	1	57	12/6/2016	12/12/2016
006841805JJK	5/20/2016	5/20/2016	Clean Harbors, LaPorte, TX	1	11,303	5/23/2016	5/25/2016
006841811JJK	12/29/2015	6/30/2016	EnergySolutions, Clive, UT	12	276	8/30/2016	10/7/2016
006841813JJK	1/5/2016	6/30/2016	EnergySolutions, Clive, UT	1	177	10/27/2016	1130/2016
006841814JJK	2/25/2016	7/19/2016	EnergySolutions, Clive, UT	2	3,960	10/27/2016	11/30/2016
006841819JJK	8/17/2016	8/26/2016	EnergySolutions, Clive, UT	1	4	12/6/2016	12/12/2016
006841824JJK	4/5/2016	10/28/2016	EnergySolutions, Clive, UT	1	317	11/14/2016	11/29/2016
006841825JJK	9/14/2016	10/28/2016	EnergySolutions, Clive, UT	1	233	11/29/2016	12/13/2016
22			-	88	185,477		



Certificate Of Treatment

February 22, 2016

MEC EPA ID Number: TNR000005397

Certificate Number: 20160468

To: USDOE BJC Paducah

EPA ID Number: KY8890008982

WPS Number	Notes	EPA Codes
P15-01-012	Lab Waste	F002, F005
P14-12-197 R1	Sodium Sludges Labpack	D006, D007, D008
P14-12-196	Sodium Sludges Overpacked	D006, D007, D008
P14-12-195 R1	Sodium Sludges	D006, D007, D008
P14-12-194 R1	· Sodium Liquid	D006, D007, D008
P14-09-165	Refrigerant Cylinders	

Incoming Shipment information:

Shipment Number	Manifest Number	WPS Number	Customer Barcode	Package Number	Container Type	GWT (lbs)	TSCA Regulated
ETTP-15-037	006841697 JJK	P14-12-194 R1	119618-01 OK	105560	55 gal Drum	198	
ETTP-15-037	006841697 JJK	P14-12-197 R1	Ok 19754-01	105561	55 gal Drum	133	
ETTP-15-037	006841697 JJK	P14-09-165	118113-01 ol	105562	30 gal Drum	89	
ETTP-15-037	006841697 JJK	P14-09-165	ok 118113-02	105563	30 gal Drum	89	
ETTP-15-037	006841697 JJK	P14-09-165	, 1181.13-03 C	k 105564	30 gal Drum	81	
ETTP-15-037	006841697 DK	P14-09-165	OK118113-04	105565	30 gal Drum	97	
ETTP-15-037	006841697 1JK	P14-09-165	118113-05	105566	30 gal Drum	87	
ETTP-15-037	006841697 JJK	P14-09-165	OK 118113-06	105567	30 gal Drum	93	
ETTP-15-037	006841697 JJK	P14-09-165	118113-07 Ok	105568	30 gal Drum	76	
ETTP-15-037	006841697 DK	P14-12-196	ok109550-02	105569	85 gal Drum	502	77 87 774 774
ETTP-15-037	006841697 JJK	P14-12-196	119755-01 Ok	105570	B-25	2808	
ETTP-15-037	006841697 JJK	P15-01-012	119351-01	105571	5 gal Drum	7	

M&EC certifies that the above mentioned waste has been treated in accordance with applicable Federal and State regulations.

2010 Highway 58, Suite 1200 + ETTP + Oak Ridge, TN 37830 + Phone (865)574-0149 + Fax (865)574-0200



Veolia ES Technical Solutions, L.L.C. Federal EPA ID: TXD000838896 State EPA ID: 50212-001 Highway 73, 3.5 miles W. of Taylor's Bayou Bridge Port Arthur, TX 77643 (409) 736-2821

US DOE C/O FLUOR FEDERAL SERVICES INC 5611 HOBBS ROAD KEVIL, KY 42053

ATTN. JOE GOMEZ

CERTIFICATE OF DESTRUCTION

Veolia ES Technical Solutions, L.L.C. has received waste material from US DOE (Fed EPA ID - KY8890008982) on 9/2/2015 as described on [State Manifest or Uniform] Hazardous Waste Manifest number 006841724JJK. Veolia ES Technical Solutions, L.L.C., hereby certifies that the above described material was incinerated, and thereby destroyed, in accordance with the 40 CFR, part 76-1, as it partains to the incineration of Poly-Chlorinated Siphenyl contaminated materials.

Sequence 1

Profile Number:

PTA811629

Veolla Tracking ID:

755188

Veolla Unit IQ

Treatment Date

Generator#

Inter-Company #

Process INCINERATION

1

10/6/2015

140

452400069000001010

Under civit 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. 2015), 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 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.

Paul V. Conrad

Material Services Manager

15-Oct-15

JAN 1 9 2016



Veolia ES Technical Solutions, L.L.C. Federal EPA ID: TXD000838898 State EPA ID: 50212-001 Highway 73, 3,5 miles W. of Taylor's Bayou Bridge Port Arthur, TX 77643 (409) 736-2821

US DOE C/O FLUOR FEDERAL SERVICES INC 5511 HOBBS ROAD **KEVIL, KY 42053**

ATTN: JOE GOMEZ

CERTIFICATE OF DESTRUCTION

Veolia ES Technical Solutions, L.L.C. has received waste material from US DOE (Fed EPA ID -Veola ES rechnical Solutions, L.L.C. has received waste material from 0.5 DOC (red EFA10 - KY8890008982) on 9/2/2015 as described on [State Manifest or Uniform] Hazardous Waste Manifest number 006841725JJK. Veolia ES Technical Solutions, L.L.C., hereby certifies that the above described material was incinerated, and thereby destroyed, in accordance with the 40 CFR, part 761, as it pertains to the incineration of Poly-Chilorinated Biphenyl contaminated materials.

Sequenc	e 1
---------	-----

Profile Number:

PTA811629

Veolia Tracking ID:

755189

Process

Veolia Unit ID

Treatment Date

Generator #

Inter-Company #

INCINERATION

10/4/2015

106

452400076000001010

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 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

Material Services Manager

15-Oct-16



Veolia ES Technical Solutions, L.L.C. Federal EPA ID: TXD000838896 State EPA ID: 50212-001 Highway 73, 3.5 miles W of Taylor's Bayou Bridge Port Arthur, TX: 77643 (409) 736-2821

US DOE C/O FLUOR FEDERAL SERVICES INC 5511 HOBBS ROAD KEVIL, KY 42053

ATTN: JOE GOMEZ

CERTIFICATE OF DESTRUCTION

Veolla ES Technical Solutions, L.L.C. has received waste material from US DOE (Fed EPA ID - KY8890008982) on 9/4/2015 as described on [State Manifest or Uniform] Hazardous Waste Manifest number 006841726JJK. Veolla ES Technical Solutions, L.L.C., hereby certifies that the above described material was incinerated, and thereby destroyed, in accordance with the 40 CFR, part 761, as it pertains to the incineration of Poly-Chlorinated Biphenyl contaminated materials

Sequence 1

Profile Number:

PTA811629

Veolía Tracking ID:

755552

Process

<u>Veolia Unit ID</u>

Treatment Date

Generator #

Inter-Company #

INCINERATION

1

10/10/2015

452402300000001010

452402300000001010

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. 2515), 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 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.

Paul V. Conrad

Material Services Manager

15-Oct-15

JAN 19 2016



Veolia ES Technical Solutions, L.L.C. Federal EPA ID: TXD000838896 State EPA ID: 50212-001 Highway 73, 3.5 miles W. of Taylor's Bayou Bridge Port Arthur, TX 77643 (409) 736-2821

US DOE C/O FLUOR FEDERAL SERVICES INC 5511 HOBBS ROAD **KEVIL, KY 42053**

ATTN: JOE GOMEZ

CERTIFICATE OF DESTRUCTION

Veolia ES Technical Solutions, L.L.C. has received waste material from US DOE (Fed EPA ID - KY8890008982) on 9/11/2015 as described on [State Manifest or Uniform] Hazardous Waste Manifest number 006841729JJK. Veolia ES Technical Solutions, L.L.C., hereby certifies that the above described material was incinerated, and thereby destroyed, in accordance with the 40 CFR, part 761, as it pertains to the incineration of Poly-Chlorinated Biphenyl contaminated materials.

Sequence 1

Profile Number:

PTA811629

Veolia Tracking ID:

755965

Process

Veolia Unit ID

Treatment Date

Generator#

Inter-Company #

INCINERATION

10/19/2015

106

452405411000001010

Under civil and criminal penalties of law for the making or submission of faise 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 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.

Paul V. Conrad

Material Services Manager

20-Oct-15



Veolia ES Technical Solutions, L.L.C. Federal EPA ID: TXD000638896 State EPA ID: 50212-001 Highway 73, 3.5 miles W. of Taylor's Bayou Bridge Port Arthur, TX 77643 (409) 736-2821

US DOE C/O FLUOR FEDERAL SERVICES INC 5511 HOBBS ROAD KEVIL, KY 42053

ATTN: JOE GOMEZ

CERTIFICATE OF DESTRUCTION

Veolia ES Technical Solutions, L. L.C. has received waste material from US DOE (Fed EPA ID ~ KY8890008982) on 9/15/2015 as described on [State Manifest or Uniform] Hazardous Waste Manifest number 006841734JJK. Veolia ES Technical Solutions, L.L.C., hereby certifies that the above described material was incinerated, and thereby destroyed, in accordance with the 40 CFR, part 761, as it pertains to the incineration of Poly-Chlorinated Biphenyl contaminated materials.

Sequence 1

Profile Number:

PTA811629

4

Veolia Tracking ID:

756174

Veolia Unit ID Treatment Date

Generator #

Inter-Company #

Process INCINERATION

10

10/7/2015

140

452408737000001010

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 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.

Paul V. Conrad

Material Services Manager

15-Oct-15

PECEIVED JAN 19 2016 BY: AM



Veolia ES Technical Solutions, L.L.C. Federal EPA ID: TXD000838896 State EPA ID: 50212-001 Highway 73, 3.5 miles W. of Taylor's Bayou Bridge Port Arthur, TX 77643 (409) 736-2821

US DOE C/O FLUOR FEDERAL SERVICES INC 5511 HOBBS ROAD KEVIL, KY 42053

ATTN: JOE GOMEZ

CERTIFICATE OF DESTRUCTION

Veolia ES Technical Solutions, L.L.C. has received waste material from US DOE (Fed EPA ID - KY8890008982) on 9/15/2015 as described on [State Manifest or Uniform] Hazardous Waste Manifest number 006841735JJK. Veolia ES Technical Solutions, L.L.C., hereby certifies that the above described material was incinerated, and thereby destroyed, in accordance with the 40 CFR, part 761, as it pertains to the incineration of Poly-Chlorinated Biphenyl contaminated materials.

Sequence 1

Profile Number:

PTA811629

Veolia Tracking ID

756182

Process

Veolia Unit ID T

Treatment Date Generator #

Inter-Company #

INCINERATION

.

10/9/2015

106

452408928000001010

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 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.

Paul V., Conrad

Material Services Manager

15-Oct-15

IAN 1 9 2016

EPA ID# TND98210914

COD Number: TS2016013



657 Gallaher Road Kingston, 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:

4/8/2016

Attached list of containers from Shipment Number DSSI-15-121

Shipped on Hazardous Waste Manifest Number 006841763JJK

Generator Name

US Dept of Energy - Fluor Federal Services, Inc.

EPA ID No. Address

KY8890008982 5600 Hobbs Road

City, State, Zip

Contact

Paducah

Regina Pea

KY 42001-

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.

By: Dawn Garrett



CERTIFICATE OF DISPOSAL

Generator Facility Name:

US DOE c o Fluor

Sales Order#:

1502531970

Generator Address:

5611 Hobbs Road

Date Received:

12/22/2015

Kevil, KY, 42053

Generator Contact Name:

Generator EPA ID:

KY8890008982

Load #:

379292

Manifest #:

006841786JJK

Original Date Removed Unit Serial # / CHID# From Service Type Customer ID

Material Description Disposal Date

Method of Disposal

Disposal Facility

49064910

12/21/2015

High Btu PCB Liquids For Incineration

12/24/2015

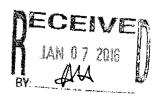
Incineration

Deer Park, TX Facility

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 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.

Authorized Agent

Monday, December 28, 2015





CERTIFICATE OF DISPOSAL

Generator Facility Name:

US DOE c o Fluor

Generator Address:

5611 Hobbs Road

Kevil, KY, 42053

Sales Order#:

1502531970

Date Received:

12/24/2015

Generator Contact Name:

Generator EPA ID:

KY8890008982

Load #:

379293

Manifest #:

006841787JJK

Original Date Removed Unit From Service Type Customer ID CH ID#

12/24/2015

Serial # /

Material Description Disposal Date

Method of Disposal

Disposal Facility

49097123

TT

NA /

High Btu PCB Liquids For Incineration

12/27/2015

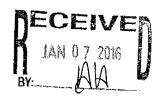
Incineration

Deer Park, TX Facility

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 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.

Authorized Agent

Monday, December 28, 2015





CERTIFICATE OF DISPOSAL

Generator Facility Name:

US DOE c o Fluor

Sales Order#:

1502531970

Generator Address:

5511 Hobbs Road Kevil, KY, 42053 Date Received:

12/31/2015

Generator Contact Name:

Generator EPA ID:

KY8890008982

Load #:

379331

Manifest #:

006841788JJK

Original Date Removed Unit CH ID# From Service Type

Serial # / Customer ID Material Description

Disposal Date Method of Disposal

Disposal Facility

49167615

12/29/2015 TT

NA /

High Btu PCB Liquids For Incineration

1/1/2016

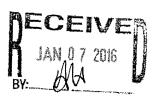
Incineration

Deer Park, TX Facility

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 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.

Authorized Agent

Monday, January 04, 2016





CERTIFICATE OF DISPOSAL

Generator Facility Name:

US DOE c o Fluor

Generator Address:

5511 Hobbs Road

Kevil, KY, 42053

Sales Order#:

1502531970

Date Received:

1/2/2016

Generator Contact Name:

Generator EPA ID:

KY8890008982

Load #:

379344

Manifest #:

006841789JJK

Original Date Removed Unit CH ID# From Service Type

Serial # / **Customer ID**

Material Description Disposal Date

Method of Disposal

Disposal Facility

49188887

12/31/2015

TT

N/A /

High Btu PCB Liquids For Incineration

1/3/2016

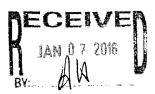
Incineration

Deer Park, TX Facility

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 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.

Authorized Agent

Monday, January 04, 2016



EPA ID# TND98210914 COD Number: TS2016025



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:

7/21/2016

Attached list of containers from Shipment Number DSSI-16-031

Shipped on Hazardous Waste Manifest Number

006841794JJK

Generator Name

US Dept of Energy - Fluor Federal Services, Inc. KY8890008982

EPA ID No. Address

5600 Hobbs Road

City, State, Zip Contact

Paducah Regina Pea KY 42001-

Under civil and criminal penalties of law for the making or submission of faise or fraudulent statements or representations (18 U. S. C. 1001 and 15 U. S. C. 2615), I cardly 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 cardly as a company official angular 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

Titet Waste Tracking Shipping

Certificate of Destruction TS2016025

ShipmentNumber	-HazManifeatNumber	WPSNumber	PackageNumber	Stem Numbers	sBurnCampalgnNumber	DateBurn Stop.	(GeneratorCode)	MasteCodes:	DateReceived
DSSI-18-031	006841794JJK	16-03-055	72019	119802-01	16-011	21~Jul-16	KYFLU01	Bulk Liquid - PCBs	24-Mar-16
DSSI-16-031	006841794JJK	16-03-055	72020	119802-02	18-011	21-Jul-16	KYFLU01	Bulk Liquid - PCBs	24-Mar-16
DSSI-16-031	006841794JJK	16-03-055	72021	119802-03	16-011	21~kd-16	KYFLU01	Bulk Liquid - PCBs	24-Mar-16

Energy Solutions

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80 Clive, Utah 84029 EPA ID: UTD982598898

DOE, Paducah, Paducah

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment 9701-02-0013 Manifest 41795 Disposal Date 05/26/2016 Volume (Cu/Ft) 96.0

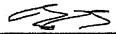
Process

Disposal Location Mixed Waste

DECEIVE JUN 1 4 2016

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 eriminal 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 derilly 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.



Brian Beynon May 31 2016 3:40 PM

Brian Beynon
Operations Manager

Date

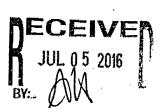
3 miles South, Exit 49, I-80 Clive, Utah 84029 EPA ID: UTD982598898

DOE, Paducah, Paducah

This certificate acknowledges that the following manifested shipments have been disposed of as listed below?

Shipment 7307-15-0002 Manifest 41798 Disposal Date 06/23/2016

Volume (Cu/Ft) 390.0 Process Landfill Disposal Location 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.

Brian Beynon Jun 30 2016 2:16 PM

Brian Beynon Operations Manager Date



Clean Harbors Deer Park, LLC 2027 Independence Parkway South La Porte TX, 77571 TXD055141378 (281) 930-2300

CERTIFICATE OF DISPOSAL

Manifest Mailing Name:

US DOE c o Fluor

Manifest Mailing Address:

5511 Hobbs Road

Kevil, KY, 42053

5/20/2016

Job Address:

5600 Hobbs Road

Kevil, KY 42053

Customer Contact Name:

Ms Carrie Maxie

Date Received:

5/22/2016

Generator EPA ID: Sales Order#:

KY8890008982

1502531970

Load #:

383106

Manifest #:

006841805JJK

Original Date Removed Unit

Serial # /

Material Description

Incineration

Disposal Date

Method of Disposal

Disposal Facility

CH ID# 51695986

From Service Type Customer ID

High Blu PCB Liquids For

5/23/2016

Incineration

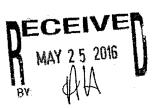
Deer Park, TX Facility

Under Civil and Criminal Penalties of Law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 onder Civil and Criminal Penalues of Law for the making or submission of laise of fraudulefit statements of 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 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.

Authorized Agent

Wednesday, May 25, 2016

Date



3 miles South, Exit 49, I-80 Clive, Utah 84029 EPA ID: UTD982598898

DOE, Paducah, Paducah

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment Ma	Disposal Date	<u>Volume (Cu/Ft)</u> 7.5 ★ 16.3 →	Process	Disposal Location
9701-15-0007 418	02 12/06/2016		《Landfill	Mixed Waste
9701-15-0008 418	19 12/06/2016		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, acling under my direct instructions, made the verification that this information is true, accurate and complete.

Brian Beynon Dec 9 2016 12:43 PM

ngieco

Brian Beynon Operations Manager

Date

ENERGY SOLUTIONS

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80 Clive, Utah 84029 EPA ID: UTD982598898

DOE, Paducah, Paducah

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment 9701-17-0001 Manifest 41811 Disposal Date 08/30/2016 Volume (Cu/Ft) 90.0 Process Landfill <u>Disposal Location</u> 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.

Brian Deynon Sep 12 2016 1:01 PM

Brian Beynon Operations Manager Date

3 miles South, Exit 49, I-80 Clive, Utah 84029 EPA ID: UTD982598898

DOE, Paducah, Paducah

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment	<u>Manifest</u>	Disposal Date	Volume (Cu/Ft)	<u>Process</u>	Disposal Location
9701-21-0014	41813	10/27/2016	7.5	Landfill	Mixed Waste
9701-21-0015	41814	-10/27/2016	376.0	(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.

	Brian Beynon Nov 18 2016 4:17 PM	cosign
Brian Beynon Operations Manager	Date	

ENERGY SOLUTIONS

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80 Clive, Utah 84029 EPA ID: UTD982598898

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
9701-15-0007	A STATE OF THE PARTY OF THE PAR	12/06/2016	7.5	Landfill	Mixed Waste
9701-15-0008	41819	12/06/2016	16.3	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.

Brian Beynon Dec 9 2016 12:43 PM

cosign

Brian Beynon Operations Manager Date

ENERGY SOLUTIONS

CERTIFICATE OF DISPOSAL

3 miles South, Exit 49, I-80 Clive, Utah 84029 EPA ID: UTD982598898

DOE, Paducah, Paducah

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

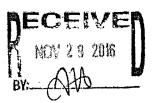
Shipment 9701-02-0015

Manifest 41824 <u>Disposal Date</u> 11/14/2016 Volume (Cu/Ft)

Process

Disposal Location

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.

Brian Beynon Nov 18 2016 4:17 PM

Brian Beynon Operations Manager Date

3 miles South, Exit 49, I-80 Clive, Utah 84029 EPA ID: UTD982598898

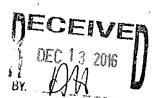
DOE, Paducah, Paducah

This certificate acknowledges that the following manifested shipments have been disposed of as listed below:

Shipment 7307-03-0002

Manifest 41825 Disposal Date 11/29/2016 Volume (Cu/Ft) 96.0

Process Landfill Disposal Location 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.

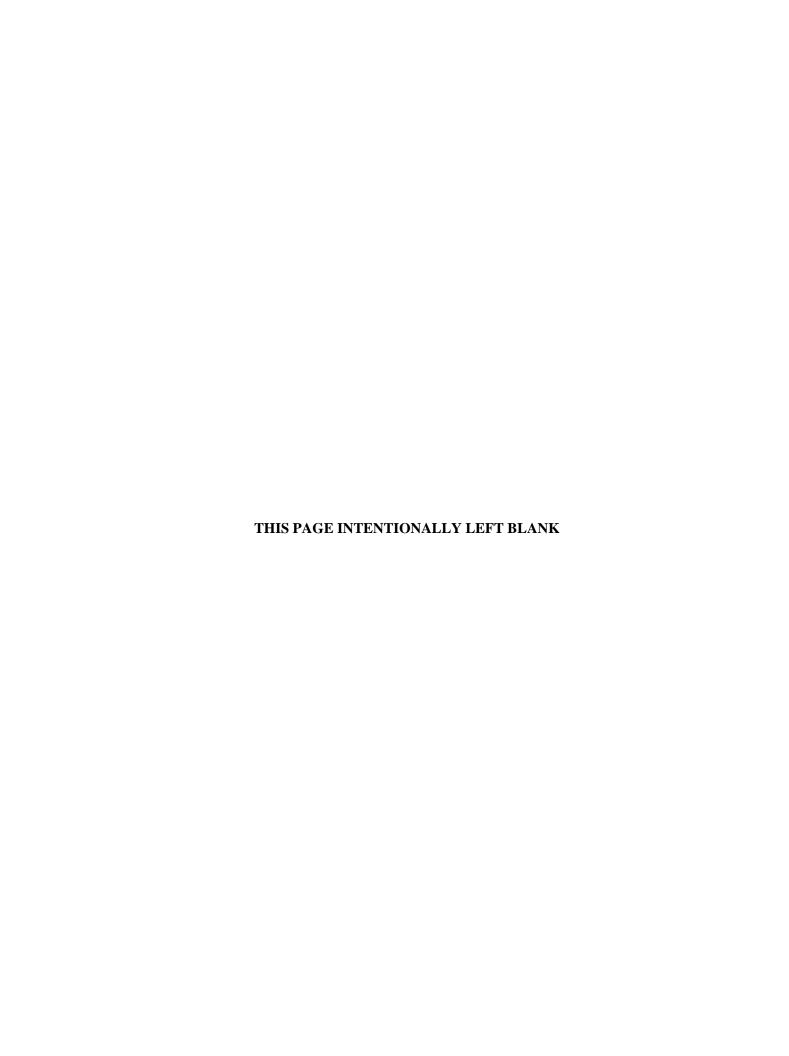
Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2616) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) 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.

Brian Beynon
Dec 2 2016 6:18 AM

Date

_ cosign

Brian Beynon Operations Manager



7. PCB WASTE STORAGE AREA INSPECTION RECORDS

Records of inspections performed in accordance with 40 CFR § 761.65(c)(5) are annual records required by 40 CFR § 761.180(a)(1)(iii).

Table 7.1 lists the PCB waste storage areas (i.e., a building or an area within a building) established and/or operated for PCB wastes at PGDP during CY 2016. Table 7.2 contains information from the PCB Waste Inspection database and lists the dates of inspection and a "Yes/No" check to indicate if leaks/spills were found.

Table 7.1. PCB Waste Storage Areas at PGDP

Building	Waste Area Designator	Building	Waste Area Designator
C-100	G-100-PCB-01	C-337	G-337-PCB-01
C-331	G-331-PCB-01	C-337	G-337-PCB-02
C-333	G-333-PCB-01	C-733	C-733
C-335	G-335-04	C-746-Q	C-746-Q
C-337	G-337-01	C-752-A	C-752-A
C-337	G-337-02	C-753-A	C-733-A
C-337	G-337-03	C-757	G-757-03
C-337	G-337-05	C-757	G-757-04

Waste Area Designators:

G = Generator staging area, a temporary storage area for non-Resource Conservation and Recovery Act (RCRA), PCB, and/or low-level (radioactive) waste.

Table 7.2. PCB Waste Inspection Summary Report

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
C-100					
G-1	00-PCB-01	1/6/2016		✓	
G-1	00-PCB-01	1/19/2016		\checkmark	
G-1	00-PCB-01	2/2/2016		\checkmark	
G 1	00 PCP 01	2/1//2017			
G-1	00-PCB-01	2/16/2016		✓	
G-1	00-PCB-01	3/1/2016		✓	
0.	0010001	3/1/2010		<u>. </u>	
G-1	00-PCB-01	3/15/2016		✓	
G-1	00-PCB-01	3/29/2016		✓	

Table 7.2. PCB Waste Inspection Summary Report (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
G-	100-PCB-01	4/12/2016		✓	
G-	100-PCB-01	4/26/2016		✓	
G-	100-PCB-01	5/10/2016		✓	
G-	100-PCB-01	5/23/2016		✓	
G-	100-PCB-01	6/6/2016		✓	
G-	100-PCB-01	6/14/2016		✓	
G-	100-PCB-01	6/28/2016		✓	
G-	100-PCB-01	7/12/2016		✓	

Table 7.2. PCB Waste Inspection Summary Report (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
G-	100-PCB-01	7/26/2016		✓	
G-	100-PCB-01	8/9/2016		V	
G-	100-PCB-01	8/23/2016		✓	
G-	100-PCB-01	9/6/2016		✓	
G-	100-PCB-01	9/20/2016		✓	
G-	·100-PCB-01	10/3/2016		✓	
G-	100-PCB-01	10/17/2016		✓	
G-	100-PCB-01	10/31/2016		V	

Table 7.2. PCB Waste Inspection Summary Report (Continued)

Buildin	g Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-100-PCB-01	11/14/2016		✓	
	G-100-PCB-01	11/28/2016		✓	
	G-100-PCB-01	12/12/2016		✓	
	G-100-PCB-01	12/13/2016		✓	
	G-100-PCB-01	12/27/2016		✓	
C-331					
	G-331-PCB-01	11/4/2016		✓	
	G-331-PCB-01	12/2/2016		✓	

Table 7.2. PCB Waste Inspection Summary Report (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
G-	331-PCB-01	12/20/2016		V	
C-333					
G-	-333-PCB-01	1/19/2016		\checkmark	
G-	-333-PCB-01	2/19/2016		\checkmark	
G-	333-PCB-01	3/16/2016		✓	
G-	-333-PCB-01	4/12/2016		✓	
G	-333-PCB-01	5/12/2016		✓	
U-	-555-1 CD-01	3/12/2010		V	
G-	-333-PCB-01	6/9/2016		✓	
			_	_	

Table 7.2. PCB Waste Inspection Summary Report (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
G-3	33-PCB-01	7/7/2016		✓	
G-3	33-PCB-01	8/2/2016		✓	
G-3	33-PCB-01	9/6/2016		V	
G-3	33-PCB-01	10/4/2016		✓	
G-3	33-PCB-01	11/4/2016		✓	
G-3	33-PCB-01	12/2/2016		✓	
G-3	33-PCB-01	12/20/2016		✓	

C-335

Table 7.2. PCB Waste Inspection Summary Report (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
G-33	35-04	1/19/2016		✓	
G-33	35-04	2/18/2016		✓	
G-33	35-04	3/16/2016		✓	
G-33	35-04	4/12/2016		✓	No waste
G-33	35-04	5/12/2016		✓	No waste
G-33	35-04	6/10/2016		✓	
G-33	35-04	7/7/2016		✓	No Waste
G-33	35-04	8/2/2016		✓	No Waste

 Table 7.2. PCB Waste Inspection Summary Report (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
G-3	35-04	9/6/2016		✓	No Waste
G-3	335-04	10/4/2016		✓	No Waste
G-3	35-04	11/4/2016		✓	
G-3	335-04	12/2/2016		✓	
G-3	35-04	12/20/2016		✓	
C-337					
	37-01	1/19/2016		✓	
G-3	37-01	2/19/2016		✓	

Table 7.2. PCB Waste Inspection Summary Report (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments	
G-	337-01	3/16/2016		V		
G-	337-01	4/12/2016		V		
G-	337-01	5/11/2016		✓		
G-	337-01	6/9/2016		V		
G-	337-01	7/7/2016		V		
G-	337-01	8/3/2016		V		
G-	337-01	9/6/2016		V		
G-	337-01	10/4/2016		✓		

Table 7.2. PCB Waste Inspection Summary Report (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
G-33	37-02	1/19/2016		✓	Spill number 774
G-3.	37-02	2/19/2016		V	Spill number 774
G-3.	37-02	3/16/2016		✓	Spill number 774
G-33	37-02	4/12/2016		✓	Spill number 774
G-33	37-02	5/11/2016		✓	Spill number 774
G-33	37-02	6/9/2016		✓	SPILL NUMBER 774
G-3.	37-02	7/7/2016		✓	SPILL NUMBER 774
G-33	37-02	8/3/2016		✓	SPILL NUMBER 774

Table 7.2. PCB Waste Inspection Summary Report (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
G-33	7-02	9/6/2016		✓	SPILL NUMBER 774
G-33	7-02	10/4/2016		✓	SPILL NUMBER 774
G-33	7-02	11/4/2016		V	SPILL #774
G-33	7-02	12/2/2016		✓	SPILL #774
G-33	7-02	12/20/2016		✓	SPILL #774
G-33	7-03	1/19/2016		✓	PCB Spill #789
G-33	7-03	2/19/2016		✓	
G-33	7-03	3/16/2016		V	

Table 7.2. PCB Waste Inspection Summary Report (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
G-33	37-03	4/12/2016		✓	
G-33	37-03	5/11/2016		V	
G-33	37-03	6/9/2016		✓	
G-33	37-03	7/7/2016		✓	SPILL #789
G-33	37-03	8/3/2016		✓	SPILL #789
G-33	37-03	9/6/2016		✓	SPILL #789
G-33	37-03	10/4/2016		>	SPILL #789
G-33	37-03	11/4/2016		✓	SPILL # 789

Table 7.2. PCB Waste Inspection Summary Report (Continued)

				•	,	
Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments	
G-33	37-03	12/2/2016		✓	SPILL #789	
G-33	37-03	12/20/2016		✓	SPILL #789	
G-33	37-05	1/19/2016		✓		
G-33	37-05	2/19/2016		✓		
G-33	37-05	3/16/2016		✓		
G-33	37-05	4/12/2016		✓		
G-33	37-05	5/11/2016		✓		
G-33	37-05	6/9/2016		✓		

Table 7.2. PCB Waste Inspection Summary Report (Continued)

Building	g Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-337-05	7/7/2016		✓	
	G-337-05	8/3/2016		✓	
	G-337-05	9/6/2016		✓	
	G-337-05	10/4/2016		✓	
	G-337-05	11/4/2016		✓	
	G-337-05	12/2/2016		✓	
	G-337-05	12/20/2016		✓	
	G-337-PCB-01	1/19/2016		✓	

Table 7.2. PCB Waste Inspection Summary Report (Continued)

Buildin	g Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-337-PCB-01	2/19/2016		✓	
	G-337-PCB-01	3/16/2016		✓	
	G-337-PCB-01	4/12/2016		V	
	G-337-PCB-01	5/11/2016		V	
	G-337-PCB-01	6/9/2016		V	
	G-337-PCB-01	7/7/2016		V	
	G-337-PCB-01	8/3/2016		V	
	G-337-PCB-01	9/6/2016		✓	

Table 7.2. PCB Waste Inspection Summary Report (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
G-	337-PCB-01	10/4/2016		✓	
G-	337-PCB-01	11/4/2016		V	
G-	337-PCB-01	12/2/2016		✓	
G-	337-PCB-01	12/20/2016		✓	
G-	337-PCB-02	11/4/2016		✓	
G-	337-PCB-02	12/2/2016		✓	
G-	337-PCB-02	12/20/2016		✓	

C-733

Table 7.2. PCB Waste Inspection Summary Report (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
C-733		1/12/2016		✓	
C-733		2/9/2016		✓	
C-733		3/8/2016		✓	
C-733		4/5/2016		✓	
C-733		5/3/2016		✓	
C-733		5/31/2016		✓	
C-733		6/28/2016		✓	
C-733		7/26/2016		✓	

Table 7.2. PCB Waste Inspection Summary Report (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
C-733		8/23/2016		✓	
C-733		9/20/2016		✓	
C-733		10/18/2016		✓	
C-733		11/15/2016		~	
C-733		12/13/2016		✓	
C-746-Q					
C-746	-Q	1/12/2016		V	
C-746	-Q	2/9/2016		✓	

Table 7.2. PCB Waste Inspection Summary Report (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
C-746	5-Q	3/8/2016		✓	
C-746	5-Q	4/5/2016		V	
C-746	5-Q	5/3/2016		✓	
C-746	5-Q	5/31/2016		✓	
C-746	5-Q	6/28/2016		✓	
C-746	5-Q	7/26/2016		✓	
C-746	5-Q	8/23/2016		✓	
C-746	5-Q	9/20/2016		✓	

Table 7.2. PCB Waste Inspection Summary Report (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
C-740	6-Q	10/18/2016		✓	
C-740	6-Q	11/15/2016		V	
C-740	6-Q	12/13/2016		✓	
C-752-A					
C-752	2-A	1/12/2016		✓	
C-752	2-A	2/9/2016		✓	
C-752	2-A	3/8/2016		V	
C-752	2-A	4/5/2016		✓	
C-752	2-A	4/5/2016		✓	

Table 7.2. PCB Waste Inspection Summary Report (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
C-752	2-A	5/3/2016		✓	
C-752	2-A	5/31/2016		V	
C-752	2-A	6/28/2016		V	
C-752	2-A	7/26/2016		V	
C-752	2-A	8/23/2016		V	
C-752	2-A	9/20/2016		V	
C-752	2-A	10/18/2016		>	
C-752	2-A	11/15/2016		✓	

 Table 7.2. PCB Waste Inspection Summary Report (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
C-752	-A	12/13/2016		✓	
C-753-A					
C-753	-A	1/6/2016		✓	
C-753	-A	2/3/2016		✓	
C-753	-A	3/2/2016		✓	
0.752		4/1/0017			
C-753	-A	4/1/2016		✓	
C-753	-A	4/27/2016		V	
C-753	-A	5/25/2016		V	

Table 7.2. PCB Waste Inspection Summary Report (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
C-753	3-A	6/22/2016		✓	
C-753	S-A	7/20/2016		V	
C-753	s-A	8/17/2016		✓	
C-753	s-A	9/14/2016		✓	
C-753	S-A	10/12/2016		✓	
C-753	S-A	11/9/2016		>	
C-753	s-A	12/7/2016		✓	

C-757

Table 7.2. PCB Waste Inspection Summary Report (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
G-7:	57-03	1/19/2016		✓	
G-7:	57-03	2/18/2016		✓	
G-7:	57-03	3/16/2016		✓	
G-7:	57-03	4/12/2016		✓	
G-75	57-03	5/11/2016		✓	
G-7:	57-03	6/9/2016		✓	
G-7:	57-03	7/6/2016		✓	
G-75	57-03	8/4/2016		✓	

Table 7.2. PCB Waste Inspection Summary Report (Continued)

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
G-75	57-03	9/6/2016		✓	
G-75	57-03	10/6/2016		V	
G-75	57-03	11/4/2016		V	
G-75	57-03	12/2/2016		V	
G-75	57-03	12/20/2016		V	
G-75	57-04	1/19/2016		V	
G-75	57-04	2/18/2016		✓	

8. PCB SPILL CLEANUP REPORTS

Records of inspections and cleanups performed in accordance with 40 *CFR* § 761.65(c)(5) are annual records required by 40 *CFR* § 761.180(a)(1)(iii). At PGDP, PCB spills are categorized either as gasket spills or non-gasket spills. Gasket spills are spills from leaks or drips from the process building ventilation duct gaskets and are considered to be greater than or equal to 500 ppm PCBs; cleanup must meet the standards of 40 *CFR* § 761, Subpart G, or the UE TSCA FFCA. Non-gasket spills are spills from other sources such as PCB electrical equipment or containerized wastes, and cleanup of these spills greater than or equal to 50 ppm PCBs also must meet the standards of 40 *CFR* § 761, Subpart G, or the UE TSCA FFCA. Spills that occurred during 2016 and any older spills that had cleanup activities during 2016 are included in Table 8.1, PCB Spill Cleanup Reports Summary.

Table 8.1. PCB Spill Cleanup Reports Summary

REPORT NUMBER	SPILL DATE	SPILL TIME	BUILDING	COLUMN	RESPONSE	DATE - TIME COMPLETED	TSCA REPORTABLE	COORDINATOR	COMMENTS	STATUS
1988	1/26/2015	1045	C-337	Н-32	Restricted Access Notified Maintenance Cleaned	1/15/2016 - 1055	N	P.E. King	1/15/16 update: Spill site closed as clean. 1/13/16 update: 58 sample was collected and was clean (<10 ug/100 cm2). 48 sample was collected and was dirty. 38 sample was collected and was dirty. 38 sample was collected and was dirty. 18 sample collected and was dirty. 2/5/15 update: replaced cracked PVC line at elbow. Maintenance completed. PCB oil and water spill from a broken trough component. Spill was 60" by 60" on the floor around a 24" by 24" column. Initial cleaning was completed and a request for maintenance was submitted.	Complete
1989	2/21/2015	0330	C-337	B-36	Restricted Access Cleaned		N	P.E. King	11/29/16 update: 6S sample has 3 locations dirty. 9/1/16 update: 6S sample collected.12/22/15 update: 5S sample dirty. Additional sampling required. 11/18/15 update: spill site cleaned and 5S sample collected. 11/5/15 update: 5S sample requested. 10/29/15 update: 4S dirty. Additional sampling required. 09/24/14 update: spill site cleaned and 4S sample collected. 07/08/15 update: requested 4S sample. 07/07/15 update 1S, 2S, 3S dirty. Required additional sampling. 05/07/15 update: 1S, 2S, 3S sample collected with cleaning between each sampling event. 04/16/16 update: requested 1S, 2S, 3S sampling. Water leaking from broken PCB trough. ~ 3 foot wet spot on floor. Drum placed under leak. Absorbent pads used to collect water. Initial cleaning completed. Area posted and flagged off.	Incomplete
1991	9/15/2015	0920	C-335	L-29	Restricted Access Cleaned	1/15/2016 - 1100	N	P.E. King	1/15/16: closed. 1/13/16 update: received data. 1S clean. 11/4/15 update: installed one 8' pan under leaking untroughed PCB gasket. Installed manifold, sight glass and valve on pan. 1 drop in a 100 cm2 area. Roped off, posted initial cleaning complete.	Complete
1992	11/17/2015	1259	C-337	Y-27	Restricted Access Cleaned		N	P.E. King	11/29/16 update: Received 2S spill data. One area dirty. 9/1/16 update: resampled spill area. 5/26/16 update: 1S sample dirty. 1/12/16 update: Maintenance complete. Replaced strap that was causing pan to tip to one side. Repositioned straps to inside pan. Water in area 4'3" by 4'9". Water from PCB trough. Area roped and posted. Initial cleanup completed.	Incomplete
1993	11/18/2015	0920	C-337	B-28	Restricted Access Cleaned	6/20/2016 - 0800	N	P.E. King	6/20/16 update: closed as clean. 6/10/16 update: 1S clean. 12/3/15 update: Attached aluminum pan and ran PVC line to existing PVC troughing. Maintenance complete. Water in a 60" by 102" area. Dripping from PCB elbow.	Complete

Table 8.1. PCB Spill Cleanup Reports Summary (Continued)

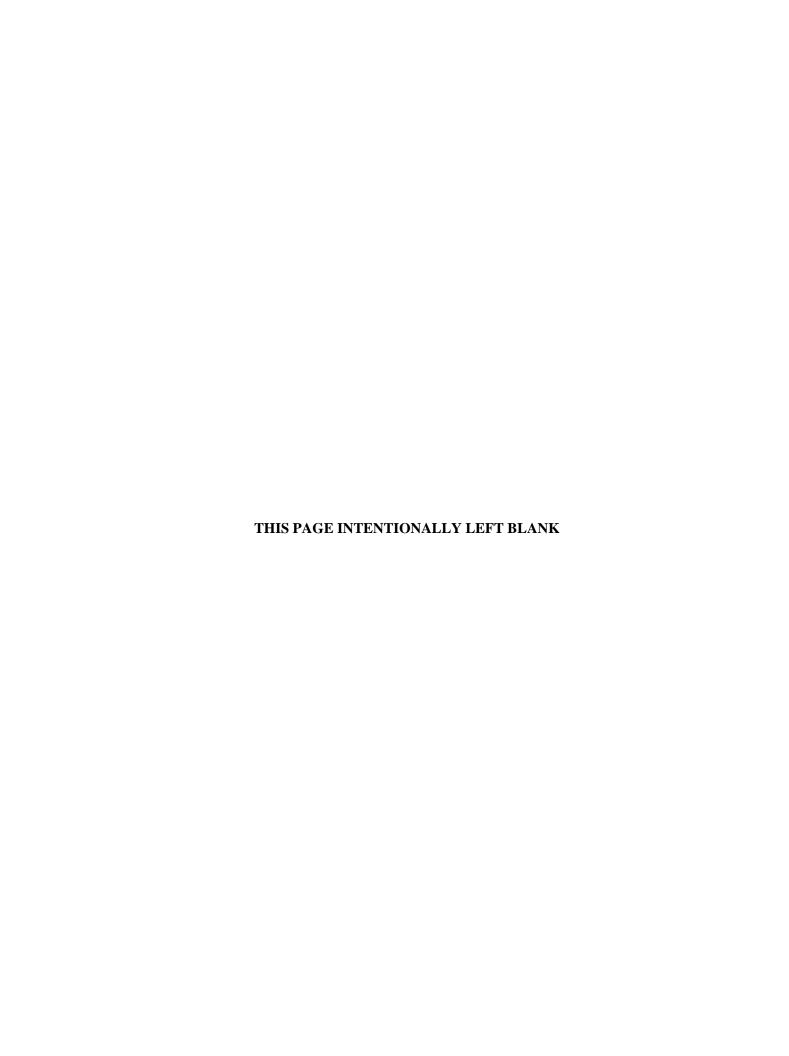
REPORT NUMBER	SPILL DATE	SPILL TIME	BUILDING	COLUMN	RESPONSE	DATE - TIME COMPLETED	TSCA REPORTABLE	COORDINATOR	COMMENTS	STATUS
1994	11/18/2015	1400	C-337	Wb-40	Restricted Access Cleaned	6/20/2016 - 0820	N	P.E. King	6/20/16 update: Closed as clean. 6/10/16 update: 1S clean. Water overflow out of PCB troughing. Water in a 13'7" by 17' 2" area. Initial cleanup initiated. Area is flagged off and posted. Requested sampling map. Water overflow out of PCB troughing. No Maintenance required.	Complete
1995	11/18/2015	1400	C-337	X-41	Restricted Access Cleaned		N	P.E. King	11/29/16 update: Two areas in spill site are dirty. 9/1/16 update: Recleaned and resampled 2S. 5/26/16 update: 1S dirty. 1/6/16 update: installed one aluminum pan under metal trough. Tied into high trough, ran new plc. line to column X-39 and installed manifold and drain port. Maintenance complete. Water overflow out of PCB troughing. Water in an area 13' 2" by 36' 8". Initial cleanup initiated. Area is flagged off and posted. Sampling map requested.	Incomplete
1996	12/30/2015	1030	C-337	Y-7	Restricted Access Cleaned	4/27/2016 - 0836	N	P.E. King	4/27/16 update: closed as clean. 4/26/16 update: Data received. 1S dirty (>10 ug/100 cm2). 2S Clean (<10 ug/100 cm2). 3/10/16 update: 1S, 2S, 3S samples collected. Cleaning preformed between sample events. 2/18/16 update: sample request submitted. 1/12/16 update: maintenance complete. Replaced strap on metal pan. Pan leak from existing trough system. 17" by 16" water on floor.	Complete
1997	12/30/2015	1030	C-337	Y-8	Restricted Access Cleaned	4/27/2016 - 0845	N	P.E. King	4/27/16 update: closed as clean. 4/26/16 update: Data received. 1S dirty (>10 ug/100 cm2). 2S Clean (<10 ug/100 cm2). 3/10/16 update: 1S, 2S, 3S samples collected. Cleaning preformed between sample events. 2/18/16 update: sample request submitted. 1/12/16 update: Maintenance complete. Attached 1 aluminum pan and tied into existing PVC pipe. Cracked weld in existing pan. 17" by 16" water spill area.	Complete
1998	12/30/2015	1030	C-337	Y-9	Restricted Access Cleaned	4/27/2016 - 0855	N	P.E. King	4/27/16 update: closed as clean. 4/26/16 update: Data received. 1S dirty (>10 ug/100 cm2). 2S Clean (<10 ug/100 cm2). 3/10/16 update: 1S, 2S, 3S samples collected. Cleaning preformed between sample events. 2/18/16 update: sample request submitted. 1/12/16 update: maintenance complete. Attached 1 aluminum pan and tied into existing PVC pipe. Water overflow of existing troughing pan. Spill area 111" by 111".	Complete
1999	1/15/2016	0845	C-335		Restricted Access Notified Maintenance Cleaned	10/18/2016 - 1230	N	P.E. King	10/18/16 update: 1S sample clean. Spill site closed as clean. 8/25/16 update: spill site sampled. 1/25/16 update: sample request submitted. Cleaned area, flagged off area, posted signs, completed maintenance. Replaced compression joint in outside PCB pipe. Truck alley, just north of pedestrian entry. Water/oil mix. 5" by 19".	Complete

Table 8.1. PCB Spill Cleanup Reports Summary (Continued)

REPORT NUMBER	SPILL DATE	SPILL TIME	BUILDING	COLUMN	RESPONSE	DATE - TIME COMPLETED	TSCA REPORTABLE	COORDINATOR	COMMENTS	STATUS
2000	3/2/2016	0907	C-333	Ja-32	Posted/Flagged off, initiated and completed cleanup	10/18/2016 - 1218	N	P.E. King	10/18/16 update: closed as clean. 1S sample clean. 8/25/16 update. Sample collected. 3/8/16 update: requested 1S, 2S, and 3S sampling. Repaired broken plc. pipe and re-attached to existing troughing. Maintenance complete. C-333 ground floor col. Ja-32. 6 drops on floor 19" by 34" area. Posted/flagged off, initiated and completed cleanup.	Complete
2001	3/7/2016	1630	C-337	Na-28	Restricted Access Notified Maintenance Cleaned		N	P.E. King	10/17/16 update: 1S sample dirty. 9/1/16 update: sampled 1S, 4 sample points. 8/16/16 update: requested sampling. 3/21/16 update: Maintenance complete. Tightened compression joint and placed pan. C-337 column Na-28. 2 areas - (1) 2'by 2', (2) 3"by 3". Roped off, posted, initial cleanup completed on 3/8/16 at 0850. Broken PVC trough component.	Incomplete
2002	3/22/2016	1010	C-333	Ja-16	Restricted Access Cleaned	10/18/2016 - 1225	N	P.E. King	10/18/16 update: closed as clean. 8/25/16 update: sample collected. 3/28/16 update: requested 1S, 2S, and 3S sampling. 3/23/26 update: Maintenance completed. Replaced broken elbow and pipe. Initial cleanup completed. Area 12" by 20" on floor. Roped & flagged area. Cleaning in progress.	Complete
2003	3/28/2016	1230	C-333	P-12	Restricted Access Cleaned		N	P.E. King	10/17/16 update: all sample points were dirty. 8/25/16 update: sampled 1S, 2S, and 3S, 1 sample point. 3/30/16 update: maintenance complete, installed new 90 degree elbow and coupling. 3/28/16 update: 1S, 2S, 3S sampling requested. 3 drops on floor in 100 cm2 area. Roped off, posted, initial clean up complete.	Incomplete
2004	5/19/2016	0850	C-337	Wb-32	Restricted Access Cleaned		N	P.E. King	11/29/16 update: all sample points were dirty. 9/1/16 update: sampled 1S, 3 sample points. 5/25/16 update: Installed one 4' by 8" aluminum pan. Untroughed gasket. Several drops in 32" by 24" area. Initial cleaning complete.	Incomplete
2005	7/13/2016	1020	C-331	G-18	Restricted Access, Maintenance completed, Cleaned	11/30/2016 - 0834	N	P.E. King	11/30/16 update: Spill site closed as clean. 11/29/16 update: 1S sample clean. 9/13/16 update: 1S sample collected. 8/10/16 update: submitted sample request 1S, 2S, 3S. 7/13/16 update: repaired and replaced section of broken PVC pipe. Maintenance complete. C-331 G-18, broken PVC pipe. Oil in area measuring 33" by 32". Initial clean complete. Maintenance complete -repaired and replaced section of broken PVC pipe.	Complete
2006	8/24/2016	0835	C-337	X-23	Restricted Access, Cleaned, Maintenance Complete		N	P.E. King	Column X-23, Water 20" by 20" area of PCB contaminated water. Initial cleanup completed, posted, and flagging in progress.	Incomplete

Table 8.1. PCB Spill Cleanup Reports Summary (Continued)

REPORT NUMBER	SPILL DATE	SPILL TIME	BUILDING	COLUMN	RESPONSE	DATE - TIME COMPLETED	TSCA REPORTABLE	COORDINATOR	COMMENTS	STATUS
864	4/1/2016	1543	C-337		Restricted Access, Cleaned, posted, absorbent placed	COMPLETED	N N		Transformer U/1 C/6 "A" Transformer, column GB- 13. A couple drops on floor. Placed absorbent down, flagged area off, and posted as a PCB spill area. Initial cleanup is complete. On a previous spill site.	Incomplete
865	4/1/2016	1543	C-337		Restricted Access, posted, cleaned, placed absorbent down		N	R. Baker	C-337 U/2 C/6 "B" Transformer, column G-29, 2 drops on floor. Placed absorbent down, flagged area off, and posted as a PCB spill area. Initial cleanup is complete. On a previous spill site. Inside of dike the floor is painted grey. The spot of grease type stain partially covered a PCB sticker.	Incomplete
866	4/1/2016	1543	C-337		Restricted Access Cleaned		N		C-337 U/6 C/1 "A" Transformer, column P-13. A couple drops on floor. Placed absorbent down, flagged off, and posted as a PCB spill area. Initial cleanup is completed. Approximately 1" in diameter.	Incomplete



9. PCB ELECTRICAL EQUIPMENT IN SERVICE

PCB (\geq 500 ppm) transformers, PCB-contaminated (\geq 50 < 500 ppm) transformers, PCB-contaminated electrical equipment, and PCB large capacitors in service at PGDP during 2016 are listed in the following tables. Equipment placed into storage for disposal is removed from this inventory based on information supplied on the Request for Disposal (RFD) or from the generator if the RFD is not processed completely.

The inventory of PCB-contaminated transformers and electrical equipment is optional information not specifically required for the Annual Document, but it is useful information that ensures proper handling of the PCB-contaminated liquids if spilled and proper disposal of the liquids and the equipment when removed from service.

No PCB large capacitors were removed from service in CY 2016. All 67 PCB transformers were removed from service, drained, and flushed during 2015. They were stored in place during CY 2016 and residual flushate was removed over time as it drained through and collected in the units. Six PCB-contaminated transformers located in C-535 and C-537 Switchyards were removed from service in 2015 and 2016 and stored in place. Five PCB-contaminated electrical equipment items located in C-533 and C-537 Switchyards were removed from service in 2015 and stored in place. In 2015, a PCB-contaminated transformer designated 3PH1 Main from C-633 was included on Table 9.3, and a piece of PCB-contaminated equipment designated Tap changer from C-633 was included on Table 9.4. These inclusions were inadvertent, because these items were removed from service in 2011, and have been removed from this report.

The CY 2016 PCB transformer maintenance records are in Appendix A. The PCB transformer quarterly inspections are not included in this report because the transformers were removed from service. Additional PGDP PCB systems and process building ventilation duct gaskets containing PCBs are addressed in the UE TSCA FFCA.

Tables 9.1 through 9.5 present information on the PCB electrical equipment at PGDP.

Table 9.1. PCB Electrical Equipment in Service as of December 31, 2016

Туре	Number in Service	Volume (gal)	PCB (kg)
PCB transformers*	0	0	0
PCB-contaminated transformers	3	500	0.13
PCB-contaminated electrical equipment	2	862	0.24
PCB large high-voltage capacitors	0	0	0

^{*}There were 67 PCB transformers that were removed from service, drained, flushed, and stored in place in 2015 pending demolition to remove, because they are locked in place by facility structure members placed after the transformers.

Table 9.2. PCB Transformers in Service as of December 31, 2016

No PCB transformers were in service as of December 31, 2016.

Table 9.3. PCB-Contaminated Transformers in Service as of December 31, 2016

Building	Designation	Compartment	Volume (gal)	PCB concentration (ppm)	PCB (kg)
West					
Side of					
C-315	SW-1	Main	400	72	0.11
C-533	Y-line	A Phase	50	62	0.01
C-533	M-line	C Phase	50	51	0.01
Total	3		500		.13

Table 9.4. PCB-Contaminated Electrical Equipment in Service as of December 31, 2016

Building	Designation	Compartment	Volume (gal)	PCB Concentration (ppm)	PCB (kg)
West Side of C-315	SW-1	Tap Changer	112	66	0.03
C-720	M-6	Induction Voltage Regulator	750	74	0.21
Total	2		862		.24

Table 9.5. PCB Large Capacitors in Service as of December 31, 2016

No PCB large capacitors were in service as of December 31, 2016.

10. PCB WASTE ACTIVITY

PCB waste activities performed by the facility during the CY 2016 are annual records required by 40 CFR § 761.180 (a)(2)(iii). Tables 10.1 through 10.9 provide information on PCB waste activities at the Paducah Site. The PCB Date, often referred to as PCB DTS (date to storage), reflects the date PCB waste was first added to a container and is the origin date of the container.

Table 10.1. PCB Waste Activity Summary for CY 2016

PCB Waste Items In Inventory	1/1/2016	Inventory	Net (Changes ¹	Gen	erated	Shipped f	or Disposal	12/31/201	16 Inventory
	pc	kg	pc	kg	pc	kg	рc	kg	pc	kg
ARTICLES	2	32,795	0	0	0	0	0	0	2	32,795
PCB Transformers (drained)	2	32,795	0	0	0	0	0	0	2	32,795
ARTICLE CONTAINERS ²	5	1,321	-2	-974	3	4,517	3	4,517	3	347
Capacitors, Large	0	0	0	0	0	0	0	0	0	0
Electrical Equipment	0	0	0	0	0	0	0	0	0	0
Light Ballasts	1	91	1	91	1	209	1	209	2	182
Misc. Equip (motors, pumps)	4	1,230	-3	-1,065	2	4,308	2	4,308	1	165
PCB Transformers	0	0	0	0	0	0	0	0	0	0
Small Capacitors (< 3 lb)	0	0	0	0	0	0	0	0	0	0
CONTAINERS	91	11,659	-7	-7,214	111	38,429	84	20,377	111	22,497
Liquids ^{3, 4}	35	7,642	-7	-7,245	84	35,149	10	13,549	102	21,997
Solids	56	4,017	0	31	27	3,280	74	6,828	9	500
BULK PCB REMEDIATION WASTE SOLIDS < 49 MG/KG ⁵	0	0	0	0	0	0	0	0	0	0
TOTAL	98	45,775	-9	-8,188	114	42,946	87	24,894	116	55,639

pc = piece count

kg = kilogram (rounded to the nearest whole number for the summaries)

¹ The Net Changes column includes adjustments because of repackaging (segregation/splits, consolidations), unrecorded items, on-site disposal, and weight corrections. Weights reported in this summary include the weight of the container (drum/box), except for tanks/tankers.

² Article Containers are drums or boxes of PCB transformers, PCB large capacitors, electrical equipment, PCB light ballasts, or PCB small capacitors.

³ Portable (mobile) tanks and totes are counted as Containers.

⁴11,304 g of PCB transformer oil was generated, bulked into tankers, and shipped off-site in 2016.

⁵ PCB Remediation Waste Solids were disposed of at the on-site C-746-U Landfill.

Table 10.2. PCB Waste Inventory as of January 1, 2016

RFD	Waste ID	PCB Item	Description	PCB Date	Physical	Gross Wt (lb)	Gross Wt (kg)	Gross Vol (ft ³)	Current Facility	Source	Waste Cat
106744	106744-01	PCB Article	DAMAGED, DISCONNECTED, DE- ENERGIZED, AND DRAINED PCB TRANSFORMER B983126. FORMERLY STAGE AT C-337 U2C3 "B" LOCATION.	11/7/2005	S	34,500	15,649	2304	C-337	C-337	ТМ
107839	107839-01	PCB Article	DAMAGED, DISCONNECTED, DE- ENERGIZED, AND DRAINED PCB TRANSFORMER RHL-0610. FORMERLY STAGED AT C-337 U2C8 "B" LOCATION.	6/27/2004	S	37,800	17,146	462	C-337	C-337	ТМ
118321	118321-01	PCB Article Container	BLDG DEMOLITION DEBRIS (BULK MATERIALS, EMPTY TANKS, TRANSFORMERS, BALLASTS, ETC.)	10/2/2015	S	1,974	895	90	C-752-A	С-746-В	TN
118321	118321-02	PCB Article Container	BLDG DEMOLITION DEBRIS (BULK MATERIALS, EMPTY TANKS, TRANSFORMERS, BALLASTS, ETC.)	10/1/2015	S	270	122	7.4	C-752-A	Various	TN
118321	118321-03	PCB Article Container	BLDG DEMOLITION DEBRIS (BULK MATERIALS, EMPTY TANKS, TRANSFORMERS, BALLASTS, ETC.)	10/1/2015	S	268	122	7.4	C-752-A	Various	TN
119744	119744-01	PCB Article Container	PCB BALLASTS	3/26/2015	S	200	91	7.4	C-757	Proc Bldgs	ТМ
119747	119747-01	PCB Article Container	POTENTIAL PCB CONTAMINATED DOOR CLOSERS	6/3/2015	S	200	91	7.4	C-757	Proc Bldgs	TM
115919	115919-01	PCB Container	VENTILATION DUCT OIL AND WATER	10/29/2015	L	483	219	7.4	C-746-Q	Proc Bldgs	RTM
115919	115919-02	PCB Container	VENTILATION DUCT OIL AND WATER	11/18/2015	L	441	200	7.4	C-746-Q	Proc Bldgs	RTM
115919	115919-03	PCB Container	VENTILATION DUCT OIL AND WATER	11/18/2015	L	489	222	7.4	C-746-Q	Proc Bldgs	RTM
115919	115919-04	PCB Container	VENTILATION DUCT OIL AND WATER	11/18/2015	L	489	222	7.4	C-746-Q	Proc Bldgs	RTM
115919	115919-05	PCB Container	VENTILATION DUCT OIL AND WATER	11/18/2015	L	463	210	7.4	C-746-Q	Proc Bldgs	RTM
115919	115919-06	PCB Container	VENTILATION DUCT OIL AND WATER	11/18/2015	L	499	226	7.4	C-746-Q	Proc Bldgs	RTM
115919	115919-07	PCB Container	VENTILATION DUCT OIL AND WATER	11/18/2015	L	482	219	7.4	C-746-Q	Proc Bldgs	RTM
115919	115919-08	PCB Container	VENTILATION DUCT OIL AND WATER	11/19/2015	L	506	230	7.4	C-746-Q	Proc Bldgs	RTM
115919	115919-09	PCB Container	VENTILATION DUCT OIL AND WATER	11/30/2015	L	472	214	7.4	C-746-Q	Proc Bldgs	RTM

Table 10.2. PCB Waste Inventory as of January 1, 2016 (Continued)

RFD	Waste ID	PCB Item	Description	PCB Date	Physical	Gross Wt (lb)	Gross Wt (kg)	Gross Vol (ft ³)	Current Facility	Source	Waste Cat
115919	115919-10	PCB Container	VENTILATION DUCT OIL AND WATER	11/30/2015	L	468	212	7.4	C-746-Q	Proc Bldgs	RTM
115919	115919-11	PCB Container	VENTILATION DUCT OIL AND WATER	11/30/2015	L	461	209	7.4	C-746-Q	Proc Bldgs	RTM
115919	115919-12	PCB Container	VENTILATION DUCT OIL AND WATER	12/1/2015	L	483	219	7.4	C-746-Q	Proc Bldgs	RTM
115919	115919-13	PCB Container	VENTILATION DUCT OIL AND WATER	12/15/2015	L	473	215	7.4	C-746-Q	Proc Bldgs	RTM
115919	115919-14	PCB Container	VENTILATION DUCT OIL AND WATER	12/28/2015	L	499	226	7.4	C-746-Q	Proc Bldgs	RTM
115919	115919-15	PCB Container	VENTILATION DUCT OIL AND WATER	12/28/2015	L	518	235	7.4	C-746-Q	Proc Bldgs	RTM
115919	115919-16	PCB Container	VENTILATION DUCT OIL AND WATER	12/29/2015	L	501	227	7.4	C-746-Q	Proc Bldgs	RTM
115919	115919-17	PCB Container	VENTILATION DUCT OIL AND WATER	12/29/2015	L	515	234	7.4	C-746-Q	Proc Bldgs	RTM
115919	115919-18	PCB Container	VENTILATION DUCT OIL AND WATER	12/29/2015	L	497	225	7.4	C-746-Q	Proc Bldgs	RTM
115919	115919-19	PCB Container	VENTILATION DUCT OIL AND WATER	12/29/2015	L	497	225	7.4	C-746-Q	Proc Bldgs	RTM
115919	115919-20	PCB Container	VENTILATION DUCT OIL AND WATER	12/29/2015	L	467	212	7.4	C-746-Q	Proc Bldgs	RTM
115919	115919-21	PCB Container	VENTILATION DUCT OIL AND WATER	12/30/2015	L	488	221	7.4	C-746-Q	Proc Bldgs	RTM
115919	115919-22	PCB Container	VENTILATION DUCT OIL AND WATER	12/30/2015	L	470	213	7.4	C-746-Q	Proc Bldgs	RTM
115919	115919-23	PCB Container	VENTILATION DUCT OIL AND WATER	12/30/2015	L	506	230	7.4	C-746-Q	Proc Bldgs	RTM
119689	119689-04	PCB Container	SPILL CLEANUP FROM VENT DUCT TROUGHS	4/9/2015	S	99	45	7.4	C-746-Q	C-331	TM
119718	119718-01	PCB Container	LEAD-BEARING ELECTRICAL CABLE, POSSIBLE PCBS PRESENT - CURRENTLY MANAGED AS PCB WASTE	6/3/2015	S	216	98	7.4	C-752- ARPK	C-331	RTN
*119740	*119740-01	PCB Container	PCB BALLASTS & SOLIDS	4/6/2015	S	*	*	7.4	C-757	Proc Bldgs	ТМ
119802	119802-01	PCB Container	VENTILATION DUCT OIL AND WATER	4/22/2015	L	470	213	7.4	C-746-Q	Proc Bldgs	RTM
119802	119802-02	PCB Container	VENTILATION DUCT OIL AND WATER	5/20/2015	L	458	208	7.4	C-746-Q	Proc Bldgs	RTM

Table 10.2. PCB Waste Inventory as of January 1, 2016 (Continued)

RFD	Waste ID	PCB Item	Description	PCB Date	Physical	Gross Wt (lb)	Gross Wt (kg)	Gross Vol (ft ³)	Current Facility	Source	Waste Cat
119802	119802-03	PCB Container	VENTILATION DUCT OIL AND WATER	6/24/2015	L	478	217	7.4	C-746-Q	Proc Bldgs	RTM
119802	119802-04	PCB Container	VENTILATION DUCT OIL AND WATER	7/7/2015	L	492	223	7.4	C-746-Q	Proc Bldgs	RTM
119802	119802-05	PCB Container	VENTILATION DUCT OIL AND WATER	7/7/2015	L	468	212	7.4	C-746-Q	Proc Bldgs	RTM
119802	119802-06	PCB Container	VENTILATION DUCT OIL AND WATER	7/9/2015	L	473	215	7.4	C-746-Q	Proc Bldgs	RTM
119802	119802-07	PCB Container	VENTILATION DUCT OIL AND WATER	7/13/2015	L	458	208	7.4	C-746-Q	Proc Bldgs	RTM
119802	119802-08	PCB Container	VENTILATION DUCT OIL AND WATER	7/29/2015	L	473	215	7.4	C-746-Q	Proc Bldgs	RTM
119802	119802-09	PCB Container	VENTILATION DUCT OIL AND WATER	7/29/2015	L	480	218	7.4	C-746-Q	Proc Bldgs	RTM
119802	119802-10	PCB Container	VENTILATION DUCT OIL AND WATER	7/30/2015	L	462	210	7.4	C-746-Q	Proc Bldgs	RTM
119802	119802-11	PCB Container	VENTILATION DUCT OIL AND WATER	9/10/2015	L	482	219	7.4	C-746-Q	Proc Bldgs	RTM
119802	119802-12	PCB Container	VENTILATION DUCT OIL AND WATER	10/29/2015	L	487	221	7.4	C-746-Q	Proc Bldgs	RTM
119803	119803-01	PCB Container	SPILL CLEANUP FROM VENT DUCT TROUGHS	5/27/2015	S	118	54	7.4	C-746-Q	Proc Bldgs	TM
119803	119803-02	PCB Container	SPILL CLEANUP FROM VENT DUCT TROUGHS	10/20/2015	S	159	72	7.4	C-746-Q	Proc Bldgs	TM
119803	119803-03	PCB Container	SPILL CLEANUP FROM VENT DUCT TROUGHS	11/18/2015	S	152	69	7.4	C-746-Q	Proc Bldgs	TM
119803	119803-04	PCB Container	SPILL CLEANUP FROM VENT DUCT TROUGHS	11/19/2015	S	147	67	7.4	C-746-Q	Proc Bldgs	TM
119845	119845-01	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	6/18/2015	S	94	43	7.4	C-752-A	C-337	TM
119845	119845-02	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	6/18/2015	S	104	47	7.4	C-752-A	C-337	TM
119845	119845-03	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	6/18/2015	S	108	49	7.4	C-752-A	C-337	TM
119845	119845-04	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	6/18/2015	S	116	53	7.4	C-752-A	C-337	TM

Table 10.2. PCB Waste Inventory as of January 1, 2016 (Continued)

RFD	Waste ID	PCB Item	Description	PCB Date	Physical	Gross Wt (lb)	Gross Wt (kg)	Gross Vol (ft ³)	Current Facility	Source	Waste Cat
119845	119845-05	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	7/30/2015	S	108	49	7.4	C-752-A	C-337	ТМ
119845	119845-06	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	8/7/2015	S	174	79	7.4	C-752-A	C-337	ТМ
119845	119845-07	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	8/19/2015	S	90	41	7.4	C-752-A	C-337	ТМ
119845	119845-08	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	8/23/2015	S	98	44	7.4	C-752-A	C-337	ТМ
119845	119845-09	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	6/18/2015	S	120	54	7.4	C-752-A	C-337	ТМ
119845	119845-10	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	8/21/2015	S	182	83	7.4	C-752-A	C-337	ТМ
119845	119845-11	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	9/9/2015	S	108	49	7.4	C-752-A	C-337	ТМ
119845	119845-12	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	9/16/2015	S	118	54	7.4	C-752-A	C-337	ТМ
119845	119845-13	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	9/23/2015	S	98	44	7.4	C-752-A	C-337	ТМ
119845	119845-14	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	9/18/2015	S	111	50	7.4	C-752-A	C-337	ТМ
119845	119845-15	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	9/1/2015	S	114	52	7.4	C-752-A	C-337	ТМ
119845	119845-16	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	8/31/2015	S	117	53	7.4	C-752-A	C-337	ТМ
119845	119845-17	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	9/21/2015	S	107	49	7.4	C-752-A	C-337	TM

Table 10.2. PCB Waste Inventory as of January 1, 2016 (Continued)

RFD	Waste ID	PCB Item	Description	PCB Date	Physical	Gross Wt (lb)	Gross Wt (kg)	Gross Vol (ft ³)	Current Facility	Source	Waste Cat
119845	119845-18	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	9/25/2015	S	125	57	7.4	C-752-A	C-337	TM
119845	119845-19	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	9/25/2015	S	120	54	7.4	C-752-A	C-337	ТМ
119845	119845-20	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	10/1/2015	S	106	48	7.4	C-752-A	C-337	ТМ
119845	119845-21	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	9/28/2015	S	101	46	7.4	C-752-A	C-337	ТМ
119845	119845-22	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	10/26/2015	S	106	48	7.4	C-752-A	C-337	TM
119845	119845-23	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	10/8/2015	S	110	50	7.4	C-752-A	C-337	ТМ
119845	119845-24	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	10/5/2015	S	115	52	7.4	C-752-A	C-337	ТМ
119845	119845-25	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	10/9/2015	S	140	64	7.4	C-752-A	C-337	ТМ
119845	119845-26	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/12/2015	S	116	53	7.4	C-752-A	C-337	ТМ
119845	119845-27	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/25/2015	S	134	61	7.4	C-752-A	C-337	ТМ
119845	119845-28	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/6/2015	S	114	52	7.4	C-752-A	C-337	ТМ
119845	119845-29	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/25/2015	S	101	46	7.4	C-752-A	C-337	ТМ
119845	119845-30	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/25/2015	S	116	53	7.4	C-752-A	C-337	ТМ

Table 10.2. PCB Waste Inventory as of January 1, 2016 (Continued)

RFD	Waste ID	PCB Item	Description	PCB Date	Physical	Gross Wt (lb)	Gross Wt (kg)	Gross Vol (ft ³)	Current Facility	Source	Waste Cat
119845	119845-31	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/2/2015	S	112	51	7.4	C-752-A	C-337	TM
119845	119845-32	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/30/2015	S	119	54	7.4	C-752-A	C-337	ТМ
119845	119845-33	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/7/2015	S	105	48	7.4	C-752-A	C-337	ТМ
119845	119845-34	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/29/2015	S	99	45	7.4	C-752-A	C-337	ТМ
119845	119845-35	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/19/2015	S	102	46	7.4	C-752-A	C-337	ТМ
119845	119845-36	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/25/2015	S	120	54	7.4	C-752-A	C-337	ТМ
119845	119845-37	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/8/2015	S	93	42	7.4	C-752-A	C-337	ТМ
119845	119845-38	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/8/2015	S	103	47	7.4	C-752-A	C-337	ТМ
119845	119845-39	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/8/2015	S	111	50	7.4	C-752-A	C-337	ТМ
119845	119845-40	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/9/2015	S	126	57	7.4	C-752-A	C-337	ТМ
119845	119845-41	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/29/2015	S	98	44	7.4	C-752-A	C-337	ТМ
119845	119845-42	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/29/2015	S	96	44	7.4	C-752-A	C-337	ТМ
119845	119845-43	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/17/2015	S	146	66	7.4	C-752-A	C-337	ТМ

Table 10.2. PCB Waste Inventory as of January 1, 2016 (Continued)

RFD	Waste ID	PCB Item	Description	PCB Date	Physical	Gross Wt (lb)	Gross Wt (kg)	Gross Vol (ft ³)	Current Facility	Source	Waste Cat
119874	119874-01	PCB Container	PCB SOLIDS FROM DECON OF PCB AREAS,/ITEMS	7/30/2015	S	148	67	7.4	C-752-A	C-337	TM
119874	119874-02	PCB Container	PCB SOLIDS FROM DECON OF PCB AREAS,/ITEMS	7/30/2015	S	136	62	7.4	C-752-A	C-337	TM
119874	119874-03	PCB Container	PCB SOLIDS FROM DECON OF PCB AREAS,/ITEMS	8/31/2015	S	100	45	7.4	C-752-A	C-337	TM
119874	119874-04	PCB Container	PCB SOLIDS FROM DECON OF PCB AREAS,/ITEMS	8/28/2015	S	136	62	7.4	C-752-A	C-337	TM
120194	120194-01	PCB Container	RCRA/TSCA/LLW SAMPLE RETURNS FROM C-710 LAB	8/5/2015	S	22	10	0.67	C-752-A	C-710	RTM
120344	120344-01	PCB Container	PCB Contaminated RCRA Debris	6/3/2015	S	2522	1,144	90	C-752-A	Various	RTM

^{*}Collection container - no weight reported as of December 31, 2015.

L = Liquid

RTM = RCRA-TSCA Mixed

RTN = RCRA-TSCA Nonradiological

S = Solid

TM = TSCA Mixed

TN = TSCA Nonradiological

		2016 SUMMARY BEGINNING INV	ENTORY O	F PCB WA	STE			
Item Count			lb	kg	ft ³	(lb)	(kg)	(ft ³)
2	Articles		72,300	32,795	2,766			
5	Article Conta	iners	2,912	1,321	120			
	0	Article Containers—Large Capacitors				0	0	0
	0	Article Containers—Electrical Equipment				0	0	C
	1	Article Containers—Light Ballasts				200	91	7
	4	Article Containers—Misc Equip (motors, pump	s)			2,712	1,230	112
	0	Article Containers—Transformers				0	0	0
	0	Article Containers—Small Capacitors (< 3 lb)				0	0	0
91	Containers		25,704	11,659	749			
	35	Containers Liquid	-	•		16,848	7,642	259
	56	Containers Solid				8,856	4,017	490
98		TOTAL	100,916	45,775	3,635			

Table 10.3. Corrections and Adjustments

Adj	RFD	Waste ID	PCB Item	Description	PCB Date	Physical	Gross Wt (lb)	Gross Wt (kg)	Gross Vol (ft ³)	Source	Waste Cat	Comments
-1	118321	118321-01	PCB Article Container	BLDG DEMOLITION DEBRIS (BULK MATERIALS, EMPTY TANKS, TRANSFORMERS, BALLASTS, ETC.)	10/2/2015	S	-1973		-90	C-746-B	TM	Sampled and verified as Non-PCB
-1	118321	118321-02	PCB Article Container	BLDG DEMOLITION DEBRIS (BULK MATERIALS, EMPTY TANKS, TRANSFORMERS, BALLASTS, ETC.)	10/1/2015	S	-270	-122	-7.4	Various	TM	Sampled and verified as Non-PCB
-1	118321	118321-03	PCB Article Container	BLDG DEMOLITION DEBRIS (BULK MATERIALS, EMPTY TANKS, TRANSFORMERS, BALLASTS, ETC.)	10/1/2015	S	-268	-122	-7.4	Various	TM	Sampled and verified as Non-PCB
-1	119740	119/40-01	PCB Container	PCB SOLIDS	4/6/2015	S	0	0	0	Proc Bldgs		Changed from PCB Container to PCB Article Container
1	119740	119740-01	PCB Article Container	PCB BALLASTS & SOLIDS	4/6/2015	S	0	0	0	Proc Bldgs		Changed from PCB Container to PCB Article Container
0	*119740	*119740- 01	PCB Article Container	PCB BALLASTS & SOLIDS	4/6/2015	s	200	91	7.4	Proc Bldgs	1 1 1 1 1 1 1	Weight estimated to 91 kg
0	119747	119747-01	PCB Article Container	POTENTIAL PCB CONTAMINATED DOOR CLOSERS	6/3/2015	S	163	74	7.4	Proc Bldgs	TM	Weight changed from 91 kg to 165 kg
-1	119718	119718-01	PCB Container	LEAD-BEARING ELECTRICAL CABLE, POSSIBLE PCBS PRESENT - CURRENTLY MANAGED AS PCB WASTE	6/3/2015	S	-216	-98	-7.4	C-331	RTN	Repacked

Table 10.3. Corrections and Adjustments (Continued)

Adj	RFD	Waste ID	PCB Item	Description	PCB Date	Physical	Gross Wt (lb)	Gross Wt (kg)	Gross Vol (ft ³)	Source	Waste Cat	Comments
1	119845	119845-44	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/30/2015	S	100	45	7.4	C-337	TM	Information received after 2015 report submittal
1	119845	119845-45	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/29/2015	S	108	49	7.4	C-337	TM	Information received after 2015 report submittal
1	119845	119845-47	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/29/2015	S	98	44	7.4	C-337	TM	Information received after 2015 report submittal
-1	119880	119880-54	PCB Container	PCB TRANSFORMER OIL	1/22/2016	L	-2454	-1114	-44.11	C-337	TN	Repacked
-1	119880	119880-55	PCB Container	PCB TRANSFORMER OIL	1/29/2016	L	-2454	-1114	-44.11	C-337	TN	Repacked
-1	119880	119880-56	PCB Container	PCB TRANSFORMER OIL	3/5/2016	L	-2454	-1114	-44.11	C-337	TN	Repacked
-1	119880	119880-57	PCB Container	PCB TRANSFORMER OIL	3/22/2016	L	-2454	-1114	-44.11	C-337	TN	Repacked
-1	119880	119880-58	PCB Container	PCB TRANSFORMER OIL	4/29/2016	L	-2454	-1114	-44.11	C-337	TN	Repacked
-1	119880	119880-59	PCB Container	PCB TRANSFORMER OIL	5/3/2016	L	-2454	-1114	-44.11	C-337	TN	Repacked
-1	119880	119880-60	PCB Container	PCB TRANSFORMER OIL	5/16/2016	L	-1227	-558	-44.11	C-337	TN	Repacked
-1	120085	120085-01	PCB Container	OILS AND LIQUIDS DRAINED FROM OBSOLETE AND NON- FUNCTIONAL EQUIPMENT PREVIOUSLY STORED IN THE C-727 FACILITY.	3/23/2016	L	-29	-13	-7.4	C-727	RTM	Repacked

Table 10.3. Corrections and Adjustments (Continued)

Adj	RFD	Waste ID	PCB Item	Description	PCB Date	Physical	Gross Wt (lb)	Gross Wt (kg)	Gross Vol (ft ³)	Source	Waste Cat	Comments
-1	120194	120194-01	_	RCRA/TSCA/LLW SAMPLE RETURNS FROM C-710 LAB	8/5/2015	S	-22	-10	-0.67	C-710	RTM	Changed from Solid to Liquid
1	120194	120194-01	_	RCRA/TSCA/LLW SAMPLE RETURNS FROM C-710 LAB	8/5/2015	L	22	10	0.67	C-710	IRTM	Changed from Solid to Liquid

*Collection container - estimated weight as of December 31, 2016.

L = Liquid

RTM = RCRA-TSCA Mixed

RTN = RCRA-TSCA Nonradiological

S = Solid

TM = TSCA Mixed

TN = TSCA Nonradiological

		2016	SUMMARY OF CORRECTIONS A	ND ADJUS	STMENTS	5		
Item Count			lb	kg	ft^3	(lb)	(kg)	(ft^3)
0	Articles		0	0	0			
-2	Article Cont	tainers	-2,148	-974	-90			
	0	Article Cont	ainers—Large Capacitors			0	0	0
	0	Article Cont	ainers—Electrical Equipment			0	0	0
	1	Article Cont	ainers—Light Ballasts			200	91	7
	-3	Article Cont	ainers—Misc Equip (motors, pumps)			-2,348	-1,065	-97
	0	Article Cont	ainers—Transformers			0	0	0
	0	Article Cont	rainers—Small Capacitors (< 3 lb)			0	0	0
-7	Containers		-15,890	-7,214	-302			
	-7	Containers I	Liquid			-15,958	-7,245	-316
		Containers S				68	31	14
-9		TOTAL	-18,038	-8,188	-392			

Table 10.4. PCB Waste Generated in 2016

RFD	Waste ID	PCB_Item	Description	PCB_Date	Gross Wt (lb)	Gross Wt (kg)	Gross Vol	Physical	Current Facility	Source	Waste Cat
120569	120569-01	PCB Article Container	PCB BEARING SCRAP EQUIPMENT AND MATERIALS FROM THE CLEAN- OUT OF C-727.	6/21/2016	1798	816	90	S	C-753-A	C-727	TM
120569	120569-02	PCB Article Container	PCB BEARING SCRAP EQUIPMENT AND MATERIALS FROM THE CLEAN- OUT OF C-727.	2/25/2016	7700	3,493	280	S	C-727	C-727	TM
120572	120572-01	PCB Article Container	NON-LEAKING PCB FLUORESCENT LIGHT BALLASTS, AND LARGE AND SMALL PCB CAPACITORS.	1/5/2016	460	209	7.4	S	C-752-A	Various	TM
119803	119803-05	PCB Container	SPILL CLEANUP FROM VENT DUCT TROUGHS	1/6/2016	114	52	7.4	S	C-746-Q	Proc Bldgs	TM
119803	119803-06	PCB Container	SPILL CLEANUP FROM VENT DUCT TROUGHS	3/11/2016	167	76	7.4	S	C-746-Q	Proc Bldgs	TM
119803	119803-07	PCB Container	SPILL CLEANUP FROM VENT DUCT TROUGHS	4/19/2016	101	46	7.4	S	C-746-Q	Proc Bldgs	TM
119803	119803-08	PCB Container	SPILL CLEANUP FROM VENT DUCT TROUGHS	1/21/2016	132	60	7.4	S	C-746-Q	Proc Bldgs	TM
119803	119803-09	PCB Container	SPILL CLEANUP FROM VENT DUCT TROUGHS	7/11/2016	177	80	7.4	S	C-746-Q	Proc Bldgs	TM
119845	119845-46	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	1/4/2016	118	54	7.4	S	C-752-A	C-337	TM
119845	119845-48	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	1/12/2016	144	65	7.4	S	C-752-A	C-337	TM
119845	119845-49	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	1/20/2016	88	40	7.4	S	C-752-A	C-337	TM
119845	119845-50	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	3/2/2016	134	61	7.4	S	C-752-A	C-337	TM
119845	119845-51	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	2/25/2016	184	83	7.4	S	C-752-A	C-337	TM
119845	119845-52	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	1/27/2016	94	43	7.4	S	C-752-A	C-337	TM
119845	119845-53	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	3/8/2016	87	39	7.4	S	C-752-A	C-337	TM

Table 10.4. PCB Waste Generated in 2016 (Continued)

RFD	Waste ID	PCB_Item	Description	PCB_Date	Gross Wt (lb)	Gross Wt (kg)	Gross Vol (ft ³)	Physical	Current Facility	Source	Waste Cat
119845	119845-54	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	3/8/2016	96	44	7.4	S	C-752-A	C-337	TM
119845	119845-55	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	4/22/2016	92	42	7.4	S	C-752-A	C-337	TM
119845	119845-56	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	4/22/2016	94	43	7.4	S	C-337	C-337	ТМ
119845	119845-57	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	4/22/2016	99	45	7.4	S	C-337	C-337	TM
119845	119845-58	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	4/22/2016	96	44	7.4	S	C-337	C-337	ТМ
119845	119845-62	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	6/2/2016	120	54	7.4	S	C-337	C-337	ТМ
119880	119880-54	PCB Container	PCB TRANSFORMER OIL	1/22/2016	2454	1114	44.11	L	C-337- RPK	C-337	TN
119880	119880-55	PCB Container	PCB TRANSFORMER OIL	1/29/2016	2454	1114	44.11	L	C-337- RPK	C-337	TN
119880	119880-56	PCB Container	PCB TRANSFORMER OIL	3/5/2016	2454	1114	44.11	L	C-337- RPK	C-337	TN
119880	119880-57	PCB Container	PCB TRANSFORMER OIL	3/22/2016	2454	1114	44.11	L	C-337- RPK	C-337	TN
119880	119880-58	PCB Container	PCB TRANSFORMER OIL	4/29/2016	2454	1114	44.11	L	C-337- RPK	C-337	TN
119880	119880-59	PCB Container	PCB TRANSFORMER OIL	5/3/2016	2454	1114	44.11	L	C-337- RPK	C-337	TN
119880	119880-60	PCB Container	PCB TRANSFORMER OIL	5/16/2016	1227	557	44.11	L	C-337- RPK	C-337	TN
119880	119880-61	PCB Container	PCB TRANSFORMER OIL	1/22/2016	24920	11,304	802.08	L	C-337	C-337	TN
120085	120085-01	PCB Container	OILS AND LIQUIDS DRAINED FROM OBSOLETE AND NON-FUNCTIONAL EQUIPMENT PREVIOUSLY STORED IN THE C-727 FACILITY.	3/23/2016	29	13	7.4	L	C-752- ARPK	C-727	RTM

Table 10.4. PCB Waste Generated in 2016 (Continued)

RFD	Waste ID	PCB_Item	Description	PCB_Date	Gross Wt (lb)	Gross Wt (kg)	Gross Vol (ft ³)	Physical	Current Facility	Source	Waste Cat
120085	120085-02	PCB Container	OILS AND LIQUIDS DRAINED FROM OBSOLETE AND NON-FUNCTIONAL EQUIPMENT PREVIOUSLY STORED IN THE C-727 FACILITY.	3/23/2016	46	21	0.67	L	C-752-A	C-727	RTM
120306	120306-01	PCB Container	VENTILATION DUCT OIL AND WATER	1/6/2016	463	210	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-02	PCB Container	VENTILATION DUCT OIL AND WATER	1/6/2016	483	219	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-03	PCB Container	VENTILATION DUCT OIL AND WATER	1/12/2016	501	227	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-04	PCB Container	VENTILATION DUCT OIL AND WATER	1/12/2016	480	218	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-05	PCB Container	VENTILATION DUCT OIL AND WATER	1/12/2016	484	220	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-06	PCB Container	VENTILATION DUCT OIL AND WATER	1/21/2016	472	214	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-07	PCB Container	VENTILATION DUCT OIL AND WATER	1/27/2016	472	214	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-08	PCB Container	VENTILATION DUCT OIL AND WATER	1/27/2016	472	214	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-09	PCB Container	VENTILATION DUCT OIL AND WATER	3/2/2016	494	224	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-10	PCB Container	VENTILATION DUCT OIL AND WATER	3/10/2016	490	222	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-11	PCB Container	VENTILATION DUCT OIL AND WATER	3/10/2016	478	217	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-12	PCB Container	VENTILATION DUCT OIL AND WATER	3/11/2016	484	220	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-13	PCB Container	VENTILATION DUCT OIL AND WATER	3/11/2016	497	225	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-14	PCB Container	VENTILATION DUCT OIL AND WATER	3/15/2016	474	215	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-15	PCB Container	VENTILATION DUCT OIL AND WATER	3/17/2016	482	219	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-16	PCB Container	VENTILATION DUCT OIL AND WATER	3/23/2016	460	209	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-17	PCB Container	VENTILATION DUCT OIL AND WATER	3/31/2016	458	208	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-18	PCB Container	VENTILATION DUCT OIL AND WATER	3/31/2016	478	217	7.4	L	C-746-Q	Proc Bldgs	TM

Table 10.4. PCB Waste Generated in 2016 (Continued)

RFD	Waste ID	PCB_Item	Description	PCB_Date	Gross Wt (lb)	Gross Wt (kg)	Gross Vol (ft ³)	Physical	Current Facility	Source	Waste Cat
120306	120306-19	PCB Container	VENTILATION DUCT OIL AND WATER	3/31/2016	422	191	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-20	PCB Container	VENTILATION DUCT OIL AND WATER	4/13/2016	471	214	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-21	PCB Container	VENTILATION DUCT OIL AND WATER	5/4/2016	461	209	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-22	PCB Container	VENTILATION DUCT OIL AND WATER	5/4/2016	476	216	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-23	PCB Container	VENTILATION DUCT OIL AND WATER	5/11/2016	457	207	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-24	PCB Container	VENTILATION DUCT OIL AND WATER	5/12/2016	497	225	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-25	PCB Container	VENTILATION DUCT OIL AND WATER	5/17/2016	460	209	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-26	PCB Container	VENTILATION DUCT OIL AND WATER	5/17/2016	508	230	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-27	PCB Container	VENTILATION DUCT OIL AND WATER	5/17/2016	524	238	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-28	PCB Container	VENTILATION DUCT OIL AND WATER	6/1/2016	484	220	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-29	PCB Container	VENTILATION DUCT OIL AND WATER	7/5/2016	502	228	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-30	PCB Container	VENTILATION DUCT OIL AND WATER	7/5/2016	469	213	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-31	PCB Container	VENTILATION DUCT OIL AND WATER	7/5/2016	475	215	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-32	PCB Container	VENTILATION DUCT OIL AND WATER	7/5/2016	460	209	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-33	PCB Container	VENTILATION DUCT OIL AND WATER	7/5/2016	482	219	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-34	PCB Container	VENTILATION DUCT OIL AND WATER	7/6/2016	503	228	7.4	L	C-746-Q	Proc Bldgs	TM
120306	120306-35	PCB Container	VENTILATION DUCT OIL AND WATER	7/7/2016	485	220	7.4	L	C-746-Q	Proc Bldgs	TM

Table 10.4. PCB Waste Generated in 2016 (Continued)

RFD	Waste ID	PCB_Item	Description	PCB_Date	Gross Wt (lb)	Gross Wt (kg)	Gross Vol	Physical	Current Facility	Source	Waste Cat
120356	120356-02	PCB Container	AQUEOUS PRIMARY AND SECONDARY WASTE. AQUEOUS WASTE HAVING SOLID PARTICULATES EMANATING FROM THE SLUDGE THAT CANNOT BE FILTERED FROM ENTERING THE WASTE CONTAINER IS TO PACKAGED AND TREATED WITH THE SLUDGE/SLURRY (I.E. rfd 120357).	9/14/2016	2828	1,283	44.11	L	C-752-A	SWMU 27	RTM
120356	120356-03	PCB Container	AQUEOUS PRIMARY AND SECONDARY WASTE. AQUEOUS WASTE HAVING SOLID PARTICULATES EMANATING FROM THE SLUDGE THAT CANNOT BE FILTERED FROM ENTERING THE WASTE CONTAINER IS TO PACKAGED AND TREATED WITH THE SLUDGE/SLURRY (I.E. rfd 120357).	9/14/2016	594	269	44.11	L	C-752-A	SWMU 27	RTM
120357	120357-01	PCB Container	SLUDGE OR SLURRY THAT IS PRIMARY WASTE AND SLUDGE OR SLURRY GENERATING AS SECONDARY WASTE (e.g., DURING DECONTAMINATION EFFORTS).	9/15/2016	418	190	7.4	D	C-752-A	SWMU 27	RTM
120357	120357-02	PCB Container	SLUDGE OR SLURRY THAT IS PRIMARY WASTE AND SLUDGE OR SLURRY GENERATING AS SECONDARY WASTE (e.g., DURING DECONTAMINATION EFFORTS).	9/15/2016	458	208	7.4	D	C-752-A	SWMU 27	RTM
120357	120357-03	PCB Container	SLUDGE OR SLURRY THAT IS PRIMARY WASTE AND SLUDGE OR SLURRY GENERATING AS SECONDARY WASTE (e.g., DURING DECONTAMINATION EFFORTS).	9/15/2016	422	191	7.4	D	C-752-A	SWMU 27	RTM
120357	120357-04	PCB Container	SLUDGE OR SLURRY THAT IS PRIMARY WASTE AND SLUDGE OR SLURRY GENERATING AS SECONDARY WASTE (e.g., DURING DECONTAMINATION EFFORTS).	9/15/2016	444	201	7.4	D	C-752-A	SWMU 27	RTM

Table 10.4. PCB Waste Generated in 2016 (Continued)

RFD	Waste ID	PCB_Item	Description	PCB_Date	Gross Wt (lb)	Gross Wt (kg)	Gross Vol	Physical	Current Facility	Source	Waste Cat
120357	120357-05	PCB Container	SLUDGE OR SLURRY THAT IS PRIMARY WASTE AND SLUDGE OR SLURRY GENERATING AS SECONDARY WASTE (e.g., DURING DECONTAMINATION EFFORTS).	9/15/2016	478	217	7.4	D	C-752-A	SWMU 27	RTM
120358	120358-02	PCB Container	POTENTIALLY "SOILED" SECONDARY WASTE EMANATING FROM CONTACT WITH PRIMARY WASTE STREAMS INCLUDING BOUNDARY CONTROL WASTE (E.G. STEP OFF PADS, GLOVES, ABSORBENT PADS, PPE, RESPIRATOR CARTRIDGES) AND SAMPLING EQUIPMENT NOT BEING DECONTAMINATED (E.G. COLIWASA) AND PRIAMARY WASTE FROM WITHIN THE NEUTRALIZATION PIT NOT ABLE TO BE PACAKGED AND TRETED WITH THESLUDGE/SLURRY (I.E.	9/14/2016	1228	557	90	S	C-752-A	SWMU 27	RTM
120358	120358-03	PCB Container	RFD 120357) POTEN HALLY "SOILED" SECONDARY WASTE EMANATING FROM CONTACT WITH PRIMARY WASTE STREAMS INCLUDING BOUNDARY CONTROL WASTE (E.G. STEP OFF PADS, GLOVES, ABSORBENT PADS, PPE, RESPIRATOR CARTRIDGES) AND SAMPLING EQUIPMENT NOT BEING DECONTAMINATED (E.G. COLIWASA) AND PRIMARY WASTE FROM WITHIN THE NEUTRALIZATION PIT NOT ABLE TO BE PACAKGED AND TREATED WITH THESLUDGE/SLURRY (I.E. RFD 120357)	4/5/2016	1410	640	90	S	C-752-A	SWMU 27	RTM
120587	120587-01	PCB Container	VENTILATION DUCT OIL AND WATER	7/7/2016	464	210	7.4	L	C-746-Q	Proc Bldgs	TM
120587	120587-02	PCB Container	VENTILATION DUCT OIL AND WATER	7/7/2016	470	213	7.4	L	C-746-Q	Proc Bldgs	ТМ

Table 10.4. PCB Waste Generated in 2016 (Continued)

RFD	Waste ID	PCB_Item	Description	PCB_Date	Gross Wt (lb)	Gross Wt (kg)	Gross Vol (ft ³)	Physical	Current Facility	Source	Waste Cat
120587	120587-03	PCB Container	VENTILATION DUCT OIL AND WATER	7/7/2016	517	235	7.4	L	C-746-Q	Proc Bldgs	TM
120587	120587-04	PCB Container	VENTILATION DUCT OIL AND WATER	7/11/2016	450	204	7.4	L	C-746-Q	Proc Bldgs	TM
120587	120587-05	PCB Container	VENTILATION DUCT OIL AND WATER	7/11/2016	501	227	7.4	L	C-746-Q	Proc Bldgs	TM
120587	120587-06	PCB Container	VENTILATION DUCT OIL AND WATER	7/13/2016	504	229	7.4	L	C-746-Q	Proc Bldgs	TM
120587	120587-07	PCB Container	VENTILATION DUCT OIL AND WATER	7/19/2016	492	223	7.4	L	C-746-Q	Proc Bldgs	TM
120587	120587-08	PCB Container	VENTILATION DUCT OIL AND WATER	7/28/2016	503	228	7.4	L	C-746-Q	Proc Bldgs	TM
120587	120587-09	PCB Container	VENTILATION DUCT OIL AND WATER	8/2/2016	510	231	7.4	L	C-746-Q	Proc Bldgs	TM
120587	120587-10	PCB Container	VENTILATION DUCT OIL AND WATER	8/9/2016	499	226	7.4	L	C-746-Q	Proc Bldgs	TM
120587	120587-11	PCB Container	VENTILATION DUCT OIL AND WATER	8/9/2016	473	215	7.4	L	C-746-Q	Proc Bldgs	TM
120587	120587-12	PCB Container	VENTILATION DUCT OIL AND WATER	8/9/2016	492	223	7.4	L	C-746-Q	Proc Bldgs	TM
120587	120587-13	PCB Container	VENTILATION DUCT OIL AND WATER	8/9/2016	470	213	7.4	L	C-746-Q	Proc Bldgs	TM
120587	120587-14	PCB Container	VENTILATION DUCT OIL AND WATER	8/9/2016	471	214	7.4	L	C-746-Q	Proc Bldgs	TM
120587	120587-15	PCB Container	VENTILATION DUCT OIL AND WATER	8/16/2016	517	235	7.4	L	C-746-Q	Proc Bldgs	TM
120587	120587-16	PCB Container	VENTILATION DUCT OIL AND WATER	8/17/2016	504	229	7.4	L	C-746-Q	Proc Bldgs	TM
120587	120587-17	PCB Container	VENTILATION DUCT OIL AND WATER	8/17/2016	505	229	7.4	L	C-746-Q	Proc Bldgs	TM
120587	120587-18	PCB Container	VENTILATION DUCT OIL AND WATER	8/17/2016	492	223	7.4	L	C-746-Q	Proc Bldgs	TM
120587	120587-19	PCB Container	VENTILATION DUCT OIL AND WATER	8/17/2016	496	225	7.4	L	C-746-Q	Proc Bldgs	TM
120587	120587-20	PCB Container	VENTILATION DUCT OIL AND WATER	8/17/2016	516	234	7.4	L	C-746-Q	Proc Bldgs	TM
120587	120587-21	PCB Container	VENTILATION DUCT OIL AND WATER	8/17/2016	483	219	7.4	L	C-746-Q	Proc Bldgs	TM
120587	120587-22	PCB Container	VENTILATION DUCT OIL AND WATER	8/18/2016	454	206	7.4	L	C-746-Q	Proc Bldgs	TM

Table 10.4. PCB Waste Generated in 2016 (Continued)

RFD	Waste ID	PCB_Item	Description	PCB_Date	Gross Wt (lb)	Gross Wt (kg)	Gross Vol (ft ³)	Physical	Current Facility	Source	Waste Cat
120587	120587-23	PCB Container	VENTILATION DUCT OIL AND WATER	8/24/2016	482	219	7.4	L	C-746-Q	Proc Bldgs	TM
120587	120587-24	PCB Container	VENTILATION DUCT OIL AND WATER	9/8/2016	305	138	7.4	L	C-746-Q	Proc Bldgs	TM
120702	120702-01	PCB Container	SOLUTION FROM SAMPLE ANALYSIS USING PCB TEST KITS	7/7/2016	37	17	0.67	L	C-733	C-710	RTM
120703	120703-01	PCB Container	PPE PAPER PLASTIC GLASS DEBRIS PCB KITS SAMPLE ANALYSIS	4/28/2016	120	54	7.4	S	C-752-A	C-710	RTM
120860	120860-01	PCB Container	CLASS 9 LIQUIDS AROCHLOR STANDARDS IN ISOOCTANE - AROCHLOR 1242 1000 UG/ML 2 ML- AROCHLOR STANDARDS IN HEXANE - AROCHLOR 1016 1000 UG/ML 7 ML - AROCHLOR 1016/1260 MIX 1000 UG/ML 1 ML - AROCHLOR 1221 1000 UG/ML 8 ML - AROCHLOR 1232 1000 UG/ML 9 ML - AROCHLOR 1242 1000 UG/ML 8 ML - AROCHLOR 1248 1000 UG/ML 9 ML - AROCHLOR 1254 1000 UG/ML 9 ML - AROCHLOR	8/17/2016	18	8	0.67	L	C-733	C-709	RTM
120903	120903-01	PCB Container	VENTILATION DUCT OIL AND WATER FROM C-337	11/17/2016	454	206	7.4	L	C-337	C-337	TM
120903	120903-02	PCB Container	VENTILATION DUCT OIL AND WATER FROM C-337	11/30/2016	483	219	7.4	L	C-337	C-337	TM
120903	120903-03	PCB Container	VENTILATION DUCT OIL AND WATER FROM C-337	12/6/2016	456	207	7.4	L	C-337	C-337	TM
120903	120903-04	PCB Container	VENTILATION DUCT OIL AND WATER FROM C-337	12/6/2016	448	203	7.4	L	C-337	C-337	TM
120903	120903-05	PCB Container	VENTILATION DUCT OIL AND WATER FROM C-337	12/19/2016	438	199	7.4	L	C-746-Q	C-337	TM
120903	120903-06	PCB Container	VENTILATION DUCT OIL AND WATER FROM C-337	12/19/2016	436	198	7.4	L	C-746-Q	C-337	TM
120903	120903-07	PCB Container	VENTILATION DUCT OIL AND WATER FROM C-337	12/19/2016	486	220	7.4	L	C-746-Q	C-337	TM
120903	120903-08	PCB Container	VENTILATION DUCT OIL AND WATER FROM C-337	12/28/2016	474	215	7.4	L	C-746-Q	C-337	TM
*120904	*120904-01	PCB Container	SPILL CLEANUP FROM VENT DUCT TROUGHS FROM C-337	11/1/2016	115	52	7.4	S	C-337	C-337	TM
120905	120905-01	PCB Container	VENTILATION DUCT OIL AND WATER FROM C-335	11/30/2016	442	200	7.4	L	C-746-Q	C-335	TM

Table 10.4. PCB Waste Generated in 2016 (Continued)

RFD	Waste ID	PCB_Item	Description	PCB_Date	Gross Wt (lb)	Gross Wt (kg)	Gross Vol (ft ³)	Physical	Current Facility	Source	Waste Cat
120905	120905-02	PCB Container	VENTILATION DUCT OIL AND WATER FROM C-335	12/20/2016	322	146	7.4	L	C-746-Q	C-335	TM
120907	120907-01	IPCB Container	VENTILATION DUCT OIL AND WATER FROM C-333	11/30/2016	286	130	7.4	L	C-746-Q	C-333	TM

*Collection container - estimated weight as of December 31, 2016.

D = Sludge

L = Liquid

RTM = RCRA-TSCA Mixed

RTN = RCRA-TSCA Nonradiological

S = Solid

TM = TSCA Mixed

TN = TSCA Nonradiological

		2016 SUMMARY OF	PCB WASTE GENI	ERATED				
Item Count			lb	kg	ft^3	(lb)	(kg)	(ft^3)
	Articles		0	0	0			
3	Article Contai	ners	9,958	4,517	377			
	0	Article Containers—Large Capacitors				0	0	0
	0		0	0	0			
	1	Article Containers—Light Ballasts				460	209	7
	2	Article Containers—Misc Equip (mot	ors, pumps)			9,498	4,308	370
	0	Article Containers—Transformers				0	0	(
	0	Article Containers—Small Capacitors	(< 3 lb)			0	0	0
111	Containers		84,706	38,429	2,091			
	84		77,476	35,149	1,726			
	27	Containers Solid				7,230	3,280	365
114		TOTAL	94,664	42,946	2,468			

Table 10.5. PCB Waste Received from Off-Site Facilities in 2016

No PCB waste was received from off-site facilities.

Table 10.6. PCB Wastes Shipped Off-Site for Disposal in 2016

RFD	WasteID	PCB_Item	Description	PCB_Date	GrossWt (lb)	GrossWt (kg)	GrossVol (ft ³)	Physical	Source	Waste Cat	Ship Date	Ship Location	Manifest
120569	120569-01		PCB BEARING SCRAP EQUIPMENT AND MATERIALS FROM THE CLEAN-OUT OF C-727.	6/21/2016	1798	816	90	S	C-727	ТМ	7/19/2016	ES_Clive	006841814JJK
120569	120569-02	PCB Article Container	PCB BEARING SCRAP EQUIPMENT AND MATERIALS FROM THE CLEAN-OUT OF C-727.	2/25/2016	7700	3,493	280	S	C-727	TM	7/19/2016	ES_Clive	006841814JJK
120572			NON-LEAKING PCB FLUORESCENT LIGHT BALLASTS, AND LARGE AND SMALL PCB CAPACITORS.	1/5/2016	460	209	7.4	S	Various	TM	6/30/2016	ES_Clive	006841813JJK
119689	119689-04	PCB Container	SPILL CLEANUP FROM VENT DUCT TROUGHS	4/9/2015	99	45	7.4	S	C-331	TM	3/28/2016	ES_Clive	006841798JJK
119802	119802-01		VENTILATION DUCT OIL AND WATER	4/22/2015	470	213	7.4	L	Proc Bldgs	RTM	3/23/2016	DSSI	006841794JJK
119802	119802-02	PCB Container	VENTILATION DUCT OIL AND WATER	5/20/2015	458	208	7.4	L	Proc Bldgs	RTM	3/23/2016	DSSI	006841794JJK
119802	119802-03	PCB Container	VENTILATION DUCT OIL AND WATER	6/24/2015	478	217	7.4	L	Proc Bldgs	RTM	3/23/2016	DSSI	006841794JJK
119803	119803-01	PCB Container	SPILL CLEANUP FROM VENT DUCT TROUGHS	5/27/2015	118	54	7.4	S	Proc Bldgs	TM	3/28/2016	ES_Clive	006841798JJK
119803	119803-02	PCB Container	SPILL CLEANUP FROM VENT DUCT TROUGHS	10/20/2015	159	72	7.4	S	Proc Bldgs	TM	3/28/2016	ES_Clive	006841798JJK
119803	119803-03	PCB Container	SPILL CLEANUP FROM VENT DUCT TROUGHS	11/18/2015	152	69	7.4	S	Proc Bldgs	TM	3/28/2016	ES_Clive	006841798JJK
119803	119803-04	PCB Container	SPILL CLEANUP FROM VENT DUCT TROUGHS	11/19/2015	147	67	7.4	S	Proc Bldgs	TM	3/28/2016	ES_Clive	006841798JJK
119803	119803-05	PCB Container	SPILL CLEANUP FROM VENT DUCT TROUGHS	1/6/2016	114	52	7.4	S	Proc Bldgs	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-01	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	6/18/2015	94	43	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-02	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	6/18/2015	104	47	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-03	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	6/30/2015	108	49	7.4	S	C-337	ТМ	3/28/2016	ES_Clive	006841798JJK
119845	119845-04	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	6/30/2015	116	53	7.4	S	C-337	ТМ	3/28/2016	ES_Clive	006841798JJK

Table 10.6. PCB Wastes Shipped Off-Site for Disposal in 2016 (Continued)

RFD	WasteID	PCB_Item	Description	PCB_Date	GrossWt (lb)	GrossWt (kg)	GrossVol (ft ³)	Physical	Source	Waste Cat	Ship Date	Ship Location	Manifest
119845	119845-05	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	7/30/2015	108	49	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-06	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	7/30/2015	174	79	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-07	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	8/12/2015	90	41	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-08	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	8/22/2015	98	44	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-09	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	8/12/2015	120	54	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-10	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	8/12/2015	182	83	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841802JJK
119845	119845-11	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	9/9/2015	108	49	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-12	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	9/16/2015	118	54	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-13	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	9/23/2015	98	44	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-14	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	9/18/2015	111	50	7.4	S	C-337	ТМ	3/28/2016	ES_Clive	006841798JJK
119845	119845-15	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	9/1/2015	114	52	7.4	S	C-337	ТМ	3/28/2016	ES_Clive	006841798JJK

Table 10.6. PCB Wastes Shipped Off-Site for Disposal in 2016 (Continued)

RFD	WasteID	PCB_Item	Description	PCB_Date	GrossWt (lb)	GrossWt (kg)	GrossVol (ft ³)	Physical	Source	Waste Cat	Ship Date	Ship Location	Manifest
119845	119845-16	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	8/31/2015	117	53	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-17	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	9/21/2015	107	49	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-18	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	9/25/2015	125	57	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-19	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	9/25/2015	120	54	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-20	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	10/1/2015	106	48	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-21	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	9/28/2015	101	46	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-22	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	10/26/2015	106	48	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-23	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	10/8/2015	110	50	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-24	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	10/5/2015	115	52	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-25	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	10/9/2015	140	64	7.4	s	C-337	ТМ	3/28/2016	ES_Clive	006841798JJK
119845	119845-26	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/12/2015	116	53	7.4	S	C-337	ТМ	3/28/2016	ES_Clive	006841798JJK

Table 10.6. PCB Wastes Shipped Off-Site for Disposal in 2016 (Continued)

RFD	WasteID	PCB_Item	Description	PCB_Date	GrossWt (lb)	GrossWt (kg)	GrossVol (ft ³)	Physical	Source	Waste Cat	Ship Date	Ship Location	Manifest
119845	119845-27	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/25/2015	134	61	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-28	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/6/2015	114	52	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-29	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/25/2015	101	46	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-30	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/25/2015	116	53	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-31	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/2/2015	112	51	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-32	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/30/2015	119	54	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-33	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/7/2015	105	48	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-34	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/29/2015	99	45	7.4	S	C-337	ТМ	3/28/2016	ES_Clive	006841798JJK
119845	119845-35	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/19/2015	102	46	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-36	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	11/25/2015	120	54	7.4	S	C-337	ТМ	3/28/2016	ES_Clive	006841798JJK
119845	119845-37	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/8/2015	93	42	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK

Table 10.6. PCB Wastes Shipped Off-Site for Disposal in 2016 (Continued)

RFD	WasteID	PCB_Item	Description	PCB_Date	GrossWt (lb)	GrossWt (kg)	GrossVol (ft ³)	Physical	Source	Waste Cat	Ship Date	Ship Location	Manifest
119845	119845-38	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/8/2015	103	47	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-39	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/8/2015	111	50	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-40	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/9/2015	126	57	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-41	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/29/2015	98	44	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-42	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/29/2015	96	44	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-43	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/17/2015	146	66	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119845	119845-44	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/30/2015	100	45	7.4	S	C-337	TM	6/30/2016	ES_Clive	006841811JJK
119845	119845-45	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/29/2015	108	49	7.4	S	C-337	ТМ	6/30/2016	ES_Clive	006841811JJK
119845	119845-46	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	1/4/2016	118	54	7.4	S	C-337	TM	6/30/2016	ES_Clive	006841811JJK
119845	119845-47	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	12/29/2015	98	44	7.4	S	C-337	TM	6/30/2016	ES_Clive	006841811JJK
119845	119845-48	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	1/12/2016	144	65	7.4	S	C-337	TM	6/30/2016	ES_Clive	006841811JJK

Table 10.6. PCB Wastes Shipped Off-Site for Disposal in 2016 (Continued)

RFD	WasteID	PCB_Item	Description	PCB_Date	GrossWt (lb)	GrossWt (kg)	GrossVol (ft ³)	Physical	Source	Waste Cat	Ship Date	Ship Location	Manifest
119845	119845-49	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	1/20/2016	88	40	7.4	S	C-337	TM	6/30/2016	ES_Clive	006841811JJK
119845	119845-50	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	3/2/2016	134	61	7.4	S	C-337	TM	6/30/2016	ES_Clive	006841811JJK
119845	119845-51	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	2/25/2016	184	83	7.4	S	C-337	TM	6/30/2016	ES_Clive	006841811JJK
119845	119845-52	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	1/27/2016	94	43	7.4	S	C-337	TM	6/30/2016	ES_Clive	006841811JJK
119845	119845-53	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	3/8/2016	87	39	7.4	S	C-337	TM	6/30/2016	ES_Clive	006841811JJK
119845	119845-54	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	3/8/2016	96	44	7.4	S	C-337	TM	6/30/2016	ES_Clive	006841811JJK
119845	119845-55	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	4/22/2016	92	42	7.4	S	C-337	TM	6/30/2016	ES_Clive	006841811JJK
119874	119874-01	PCB Container	PCB SOLIDS FROM DECON OF PCB AREAS,/ITEMS	7/30/2015	148	67	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119874	119874-02	PCB Container	PCB SOLIDS FROM DECON OF PCB AREAS,/ITEMS	7/30/2015	136	62	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119874	119874-03	PCB	PCB SOLIDS FROM DECON OF PCB AREAS,/ITEMS	8/31/2015	100	45	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119874	119874-04	PCB	PCB SOLIDS FROM DECON OF PCB AREAS,/ITEMS	8/28/2015	136	62	7.4	S	C-337	TM	3/28/2016	ES_Clive	006841798JJK
119880	119880-61	PCB Container	PCB TRANSFORMER OIL	1/22/2016	24920	11,304	802.08	L	C-337	TN	5/20/2016	CH-DeerPrk	006841805JJK
120085	120085-02	PCB Container	OILS AND LIQUIDS DRAINED FROM OBSOLETE AND NON- FUNCTIONAL EQUIPMENT PREVIOUSLY STORED IN THE C-727 FACILITY.	3/23/2016	46	21	0.67	L	C-727	RTM	6/29/2016	PERMAFIX	006841810JJK

Table 10.6. PCB Wastes Shipped Off-Site for Disposal in 2016 (Continued)

RFD	WasteID	PCB_Item	Description	PCB_Date	GrossWt (lb)	GrossWt (kg)	GrossVol (ft ³)	Physical	Source	Waste Cat	Ship Date	Ship Location	Manifest
120194	120194-01	Container	RCRA/TSCA/LLW LABPACKED SAMPLE RESIDUALS/EXTRACTS FROM C-710 LAB	8/5/2015	22	10		L	C-710	RTM	6/29/2016	PERMAFIX	006841810JJK
120344	120344-01	PCB Container	PCB CONTAMINATED RCRA DEBRIS	6/3/2015	2522	1,144	90	S	Various	RTM	3/28/2016	ES_Clive	006841795JJK
120356	120356-02	PCB Container	AQUEOUS PRIMARY AND SECONDARY WASTE. AQUEOUS WASTE HAVING SOLID PARTICULATES EMANATING FROM THE SLUDGE THAT CANNOT BE FILTERED FROM ENTERING THE WASTE CONTAINER IS TO PACKAGED AND TREATED WITH THE SLUDGE/SLURRY (I.E. rfd 120357).	9/14/2016	2828	1,283	44.11	L	SWMU 27	RTM	10/28/2016	ES_Clive	006841826JJK
120356	120356-03	PCB Container	AQUEOUS PRIMARY AND SECONDARY WASTE. AQUEOUS WASTE HAVING SOLID PARTICULATES EMANATING FROM THE SLUDGE THAT CANNOT BE FILTERED FROM ENTERING THE WASTE CONTAINER IS TO PACKAGED AND TREATED WITH THE SLUDGE/SLURRY (I.E. rfd 120357).	9/14/2016	594	269	44.11	L	SWMU 27	RTM	10/28/2016	ES_Clive	006841826ЈЈК
120357	120357-01	PCB Container	SLUDGE OR SLURRY THAT IS PRIMARY WASTE AND SLUDGE OR SLURRY GENERATING AS SECONDARY WASTE (e.g., DURING DECONTAMINATION EFFORTS).	9/15/2016	418	190	7.4	D	SWMU 27	RTM	10/27/2016	DSSI	006841822JJK

Table 10.6. PCB Wastes Shipped Off-Site for Disposal in 2016 (Continued)

RFD	WasteID	PCB_Item	Description	PCB_Date	GrossWt (lb)	GrossWt (kg)	GrossVol (ft ³)	Physical	Source	Waste Cat	Ship Date	Ship Location	Manifest
120357	120357-02	PCB Container	SLUDGE OR SLURRY THAT IS PRIMARY WASTE AND SLUDGE OR SLURRY GENERATING AS SECONDARY WASTE (e.g., DURING DECONTAMINATION EFFORTS).	9/15/2016	458	208	7.4	ID.	SWMU 27	RTM	10/27/2016	DSSI	006841822JJK
120357	120357-03	PCB Container	SLUDGE OR SLURRY THAT IS PRIMARY WASTE AND SLUDGE OR SLURRY GENERATING AS SECONDARY WASTE (e.g., DURING DECONTAMINATION EFFORTS).	9/15/2016	422	191	7.4	11.)	SWMU 27	RTM	10/27/2016	DSSI	006841822JJK
120357	120357-04	PCB Container	SLUDGE OR SLURRY THAT IS PRIMARY WASTE AND SLUDGE OR SLURRY GENERATING AS SECONDARY WASTE (e.g., DURING DECONTAMINATION EFFORTS).	9/15/2016	444	201	7.4	11)	SWMU 27	RTM	10/27/2016	DSSI	006841822JJK
120357	120357-05	PCB Container	SLUDGE OR SLURRY THAT IS PRIMARY WASTE AND SLUDGE OR SLURRY GENERATING AS SECONDARY WASTE (e.g., DURING DECONTAMINATION EFFORTS).	9/15/2016	478	217	7.4	11)	SWMU 27	RTM	10/27/2016	DSSI	006841822JJK

Table 10.6. PCB Wastes Shipped Off-Site for Disposal in 2016 (Continued)

RFD	WasteID	PCB_Item	Description	PCB_Date	GrossWt (lb)	GrossWt (kg)	GrossVol (ft ³)	Physical	Source	Waste Cat	Ship Date	Ship Location	Manifest
120358	120358-02	PCB Container	POTENTIALLY "SOILED" SECONDARY WASTE EMANATING FROM CONTACT WITH PRIMARY WASTE STREAMS INCLUDING BOUNDARY CONTROL WASTE (E.G. STEP OFF PADS, GLOVES, ABSORBENT PADS, PPE, RESPIRATOR CARTRIDGES) AND SAMPLING EQUIPMENT NOT BEING DECONTAMINATED (E.G. COLIWASA) AND PRIAMARY WASTE FROM WITHIN THE NEUTRALIZATION PIT NOT ABLE TO BE PACAKGED AND TRETED WITH THESLUDGE/SLURRY (I.E. RFD 120357)	9/14/2016	1228	557	90	\	SWMU 27	RTM	10/28/2016	ES_Clive	006841825JJK
120358	120358-03	PCB Container	POTENTIALLY "SOILED" SECONDARY WASTE EMANATING FROM CONTACT WITH PRIMARY WASTE STREAMS INCLUDING BOUNDARY CONTROL WASTE (E.G. STEP OFF PADS, GLOVES, ABSORBENT PADS, PPE, RESPIRATOR CARTRIDGES) AND SAMPLING EQUIPMENT NOT BEING DECONTAMINATED (E.G. COLIWASA) AND PRIMARY WASTE FROM WITHIN THE NEUTRALIZATION PIT NOT ABLE TO BE PACAKGED AND TREATED WITH THESLUDGE/SLURRY (I.E. RFD 120357)	4/5/2016	1410	640	90	\	SWMU 27	RTM	10/28/2016	ES_Clive	006841824JJK
120702	120702-01	PCB Container	SOLUTION FROM SAMPLE ANALYSIS USING PCB TEST KITS	7/7/2016	37	17	0.67	L	C-710	RTM	8/19/2016	PERMAFIX	006841816JJK

Table 10.6. PCB Wastes Shipped Off-Site for Disposal in 2016 (Continued)

RFD	WasteID	PCB_Item	Description	PCB_Date	GrossWt (lb)	GrossWt (kg)	GrossVol (ft ³)	Physical	Source	Waste Cat	Ship Date	Ship Location	Manifest
120703	120703-01	PCB Container	PPE PAPER PLASTIC GLASS DEBRIS PCB KITS SAMPLE ANALYSIS	4/28/2016	120	54	7.4	S	C-710	RTM	8/19/2016	PERMAFIX	006841816JJK
120860	120860-01	PCB Container	CLASS 9 LIQUIDS AROCHLOR STANDARDS IN ISOOCTANE - AROCHLOR 1242 1000 UG/ML 2 ML- AROCHLOR STANDARDS IN HEXANE - AROCHLOR 1016 1000 UG/ML 7 ML - AROCHLOR 1016/1260 MIX 1000 UG/ML 1 ML - AROCHLOR 1221 1000 UG/ML 8 ML - AROCHLOR 1232 1000 UG/ML 9 ML - AROCHLOR 1242 1000 UG/ML 8 ML - AROCHLOR 1248 1000 UG/ML 9 ML - AROCHLOR 1254 1000 UG/ML 9 ML - AROCHLOR 1260 UG/ML 12 ML	8/17/2016	18	8	0.67	L	C-709	RTM	8/26/2016	ES_Clive	006841819JJK

CH-Deer Prk = Clean Harbors Deer Park

D = Sludge

 $ES_Clive = EnergySolutions$, Clive

L = Liquid

RTM = RCRA-TSCA Mixed

RTN = RCRA-TSCA Nonradiological

S = Solid

TM = TSCA Mixed

TN = TSCA Nonradiological

		2016 SUMMARY	OF PCB WA	ASTE SHII	PPED			
Item Coun	ıt		lb	kg	ft ³	(lb)	(kg)	(ft^3)
0	Articles		0	0	0			
3	Article Con	tainers	9,958	4,517	377			
	0	Article Containers—Large Capacito	ors			0	0	0
	0	Article Containers—Electrical Equ	ipment			0	0	C
	1	Article Containers—Light Ballasts				460	209	7
	2	Article Containers—Misc Equip (n	notors, pumps)		9,498	4,308	370
	0	Article Containers—Transformers				0	0	0
	0	Article Containers—Small Capacit	ors (< 3 lb)			0	0	0
84	Containers	•	44,924	20,377	1,710			
	10	Containers Liquid				29,871	13,549	915
	74	Containers Solid	1			15,053	6,828	795
87		TOTAL	54,882	24,894	2,087			

Table 10.7. PCB Waste Disposed of Off-Site for which CDs Were Received in CY 2016

UHWM	Date Removed from Service	Date Shipped	Disposer	Containers Disposed of	Net Weight (kg)	Date Disposed of	Date CD Received
006841697JJK	10/4/2013	2/10/2015	M&EC, Oak Ridge, TN	1	3	2/22/2016	3/23/2016
006841724JJK	8/31/2015	8/31/2015	Veolia Technical Solutions, Port Arthur, TX	1	19,205	10/6/2015	1/19/2016
006841725JJK	8/31/2015	8/31/2015	Veolia Technical Solutions, Port Arthur, TX	1	17,980	10/4/2015	1/19/2016
006841726JJK	9/3/2015	9/3/2015	Veolia Technical Solutions, Port Arthur, TX	1	18,425	10/10/2015	1/19/2016
006841729JJK	9/9/2015	9/9/2015	Veolia Technical Solutions, Port Arthur, TX	1	18,815	10/19/2015	1/19/2016
006841734JJK	9/13/2015	9/14/2015	Veolia Technical Solutions, Port Arthur, TX	1	17,944	10/7/2015	1/19/2016
006841735JJK	9/14/2015	9/14/2015	Veolia Technical Solutions, Port Arthur, TX	1	18,525	10/9/2015	1/19/2016
006841763JJK	6/8/2015	11/12/2015	Perma-Fix-DSSI, Kingston, TN	1	8	4/8/2016	4/21/2016
006841786JJK	12/21/5015	12/21/2015	Clean Harbors, LaPorte, TX	1	14,415	12/24/2015	1/7/2016
006841787JJK	12/22/2015	12/22/2015	Clean Harbors, LaPorte, TX	1	13,326	12/27/2015	1/7/2016
006841788JJK	12/29/2015	12/29/2015	Clean Harbors, LaPorte, TX	1	13,834	1/1/2016	1/7/2016
006841789JJK	12/31/2015	12/31/2015	Clean Harbors, LaPorte, TX	1	12,555	1/3/2016	1/7/2016
006841794JJK	4/22/2015	3/23/2016	Perma-Fix-DSSI, Kingston, TN	3	562	7/21/2016	8/2/2016
006841795JJK	6/3/2015	3/28/2016	EnergySolutions, Clive, UT	1	819	5/26/2016	6/14/2016
006841798JJK	4/9/2015	3/28/2016	EnergySolutions, Clive, UT	52	2,734	6/23/2016	7/5/2016
006841802JJK	8/12/2015	5/24/2016	EnergySolutions, Clive, UT	1	57	12/6/2016	12/12/2016
006841805JJK	5/20/2016	5/20/2016	Clean Harbors, LaPorte, TX	1	11,303	5/23/2016	5/25/2016
006841811JJK	12/29/2015	6/30/2016	EnergySolutions, Clive, UT	12	276	8/30/2016	10/7/2016
006841813JJK	1/5/2016	6/30/2016	EnergySolutions, Clive, UT	1	177	10/27/2016	1130/2016
006841814JJK	2/25/2016	7/19/2016	EnergySolutions, Clive, UT	2	3,960	10/27/2016	11/30/2016
006841819JJK	8/17/2016	8/26/2016	EnergySolutions, Clive, UT	1	4	12/6/2016	12/12/2016
006841824JJK	4/5/2016	10/28/2016	EnergySolutions, Clive, UT	1	317	11/14/2016	11/29/2016
006841825JJK	9/14/2016	10/28/2016	EnergySolutions, Clive, UT	1	233	11/29/2016	12/13/2016
22				88	185,477		

¹This table includes waste that was disposed of in 2015; however, the CDs were not received until 2016. This waste was not included in the 2015 PCB Annual document.

Table 10.8. PCB Wastewater Decontaminated On-Site in 2016

No wastewater was treated in 2016.

Table 10.9. PCB Waste Inventory as of December 31, 2016

RFD	Waste ID	PCB Item	Description	PCB Date	Physical	Gross Wt	Gross Wt (kg)	Gross Vol (ft ³)	Current Facility	Source	Waste Cat
106744	106744-01	PCB Article	DAMAGED, DISCONNECTED, DE- ENERGIZED, AND DRAINED PCB TRANSFORMER B983126. FORMERLY STAGE AT C-337 U2C3 "B" LOCATION.	11/7/2005	S	34,500	15,649		C-337	C-337	ТМ
107839	107839-01	PCB Article	DAMAGED, DISCONNECTED, DE- ENERGIZED, AND DRAINED PCB TRANSFORMER RHL-0610. FORMERLY STAGED AT C-337 U2C8 "B" LOCATION.	6/27/2004	S	37,800	17,146	462	C-337	C-337	ТМ
115919	115919-01	PCB Container	VENTILATION DUCT OIL AND WATER	10/29/2015	L	483	219	7.4	C-746-Q	Proc Bldgs	TM
115919	115919-02	PCB Container	VENTILATION DUCT OIL AND WATER	11/18/2015	L	441	200	7.4	C-746-Q	Proc Bldgs	TM
115919	115919-03	PCB Container	VENTILATION DUCT OIL AND WATER	11/18/2015	L	489	222	7.4	C-746-Q	Proc Bldgs	TM
115919	115919-04	PCB Container	VENTILATION DUCT OIL AND WATER	11/18/2015	L	489	222	7.4	C-746-Q	Proc Bldgs	TM
115919	115919-05	PCB Container	VENTILATION DUCT OIL AND WATER	11/18/2015	L	463	210	7.4	C-746-Q	Proc Bldgs	TM
115919	115919-06	PCB Container	VENTILATION DUCT OIL AND WATER	11/18/2015	L	499	226	7.4	C-746-Q	Proc Bldgs	TM
115919	115919-07	PCB Container	VENTILATION DUCT OIL AND WATER	11/18/2015	L	482	219	7.4	C-746-Q	Proc Bldgs	TM
115919	115919-08	PCB Container	VENTILATION DUCT OIL AND WATER	11/19/2015	L	506	230	7.4	C-746-Q	Proc Bldgs	TM
115919	115919-09	PCB Container	VENTILATION DUCT OIL AND WATER	11/30/2015	L	472	214	7.4	C-746-Q	Proc Bldgs	TM
115919	115919-10	PCB Container	VENTILATION DUCT OIL AND WATER	11/30/2015	L	468	212	7.4	C-746-Q	Proc Bldgs	TM
115919	115919-11	PCB Container	VENTILATION DUCT OIL AND WATER	11/30/2015	L	461	209	7.4	C-746-Q	Proc Bldgs	TM
115919	115919-12	PCB Container	VENTILATION DUCT OIL AND WATER	12/1/2015	L	483	219	7.4	C-746-Q	Proc Bldgs	TM
115919	115919-13	PCB Container	VENTILATION DUCT OIL AND WATER	12/15/2015	L	473	215	7.4	C-746-Q	Proc Bldgs	TM
115919	115919-14	PCB Container	VENTILATION DUCT OIL AND WATER	12/28/2015	L	499	226	7.4	C-746-Q	Proc Bldgs	TM
115919	115919-15	PCB Container	VENTILATION DUCT OIL AND WATER	12/28/2015	L	518	235	7.4	C-746-Q	Proc Bldgs	TM

Table 10.9. PCB Waste Inventory as of December 31, 2016 (Continued)

RFD	Waste ID	PCB Item	Description	PCB Date	Physical	Gross Wt (lb)	Gross Wt (kg)	Gross Vol (ft ³)	Current Facility	Source	Waste Cat
115919	115919-16	PCB Container	VENTILATION DUCT OIL AND WATER	12/29/2015	L	501	227	7.4	C-746-Q	Proc Bldgs	TM
115919	115919-17	PCB Container	VENTILATION DUCT OIL AND WATER	12/29/2015	L	515	234	7.4	C-746-Q	Proc Bldgs	TM
115919	115919-18	PCB Container	VENTILATION DUCT OIL AND WATER	12/29/2015	L	497	225	7.4	C-746-Q	Proc Bldgs	TM
115919	115919-19	PCB Container	VENTILATION DUCT OIL AND WATER	12/29/2015	L	497	225	7.4	C-746-Q	Proc Bldgs	TM
115919	115919-20	PCB Container	VENTILATION DUCT OIL AND WATER	12/29/2015	L	467	212	7.4	C-746-Q	Proc Bldgs	TM
115919	115919-21	PCB Container	VENTILATION DUCT OIL AND WATER	12/30/2015	L	488	221	7.4	C-746-Q	Proc Bldgs	TM
115919	115919-22	PCB Container	VENTILATION DUCT OIL AND WATER	12/30/2015	L	470	213	7.4	C-746-Q	Proc Bldgs	TM
115919	115919-23	PCB Container	VENTILATION DUCT OIL AND WATER	12/30/2015	L	506	230	7.4	C-746-Q	Proc Bldgs	TM
119740	119740-01	PCB Container	PCB SOLIDS	4/6/2015	S	*	*	*	C-757	Proc Bldgs	TM
119744	119744-01	PCB Article Container	PCB BALLASTS	3/26/2015	S	200	91	7.4	C-757	Proc Bldgs	TM
119747	119747-01	PCB Article Container	POTENTIAL PCB CONTAMINATED DOOR CLOSERS	6/3/2015	S	363	165	7.4	C-752-A	Proc Bldgs	TM
119802	119802-04	PCB Container	VENTILATION DUCT OIL AND WATER	7/7/2015	L	492	223	7.4	C-746-Q	Proc Bldgs	TM
119802	119802-05	PCB Container	VENTILATION DUCT OIL AND WATER	7/7/2015	L	468	212	7.4	C-746-Q	Proc Bldgs	TM
119802	119802-06	PCB Container	VENTILATION DUCT OIL AND WATER	7/9/2015	L	473	215	7.4	C-746-Q	Proc Bldgs	TM
119802	119802-07	PCB Container	VENTILATION DUCT OIL AND WATER	7/13/2015	L	458	208	7.4	C-746-Q	Proc Bldgs	TM
119802	119802-08	PCB Container	VENTILATION DUCT OIL AND WATER	7/29/2015	L	473	215	7.4	C-746-Q	Proc Bldgs	TM
119802	119802-09	PCB Container	VENTILATION DUCT OIL AND WATER	7/29/2015	L	480	218	7.4	C-746-Q	Proc Bldgs	TM
119802	119802-10	PCB Container	VENTILATION DUCT OIL AND WATER	7/30/2015	L	462	210	7.4	C-746-Q	Proc Bldgs	TM
119802	119802-11	PCB Container	VENTILATION DUCT OIL AND WATER	9/10/2015	L	482	219	7.4	C-746-Q	Proc Bldgs	TM
119802	119802-12	PCB Container	VENTILATION DUCT OIL AND WATER	10/29/2015	L	487	221	7.4	C-746-Q	Proc Bldgs	TM

Table 10.9. PCB Waste Inventory as of December 31, 2016 (Continued)

RFD	Waste ID	PCB Item	Description	PCB Date	Physical	Gross Wt (lb)	Gross Wt (kg)	Gross Vol (ft ³)	Current Facility	Source	Waste Cat
119845	119845-56	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	4/22/2016	S	*	*	*	C-337	C-337	TM
119845	119845-57	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	4/22/2016	S	*	*	*	C-337	C-337	TM
119845	119845-58	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	4/22/2016	S	*	*	*	C-337	C-337	TM
119845	119845-62	PCB Container	PCB CONTAMINATED SOLIDS (RAGS) GENERATED FROM TRANSFORMER PROJECT	6/2/2016	S	*	*	*	C-752-A	C-337	TM
120306	120306-01	PCB Container	VENTILATION DUCT OIL AND WATER	1/6/2016	L	463	210	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-02	PCB Container	VENTILATION DUCT OIL AND WATER	1/6/2016	L	483	219	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-03	PCB Container	VENTILATION DUCT OIL AND WATER	1/12/2016	L	501	227	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-04	PCB Container	VENTILATION DUCT OIL AND WATER	1/12/2016	L	480	218	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-05	PCB Container	VENTILATION DUCT OIL AND WATER	1/12/2016	L	484	220	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-06	PCB Container	VENTILATION DUCT OIL AND WATER	1/21/2016	L	472	214	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-07	PCB Container	VENTILATION DUCT OIL AND WATER	1/27/2016	L	472	214	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-08	PCB Container	VENTILATION DUCT OIL AND WATER	1/27/2016	L	472	214	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-09	PCB Container	VENTILATION DUCT OIL AND WATER	3/2/2016	L	494	224	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-10	PCB Container	VENTILATION DUCT OIL AND WATER	3/10/2016	L	490	222	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-11	PCB Container	VENTILATION DUCT OIL AND WATER	3/10/2016	L	478	217	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-12	PCB Container	VENTILATION DUCT OIL AND WATER	3/11/2016	L	484	220	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-13	PCB Container	VENTILATION DUCT OIL AND WATER	3/11/2016	L	497	225	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-14	PCB Container	VENTILATION DUCT OIL AND WATER	3/15/2016	L	474	215	7.4	C-746-Q	Proc Bldgs	TM

Table 10.9. PCB Waste Inventory as of December 31, 2016 (Continued)

RFD	Waste ID	PCB Item	Description	PCB Date	Physical	Gross Wt (lb)	Gross Wt (kg)	Gross Vol (ft ³)	Current Facility	Source	Waste Cat
120306	120306-15	PCB Container	VENTILATION DUCT OIL AND WATER	3/17/2016	L	482	219	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-16	PCB Container	VENTILATION DUCT OIL AND WATER	3/23/2016	L	460	209	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-17	PCB Container	VENTILATION DUCT OIL AND WATER	3/31/2016	L	458	208	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-18	PCB Container	VENTILATION DUCT OIL AND WATER	3/31/2016	L	478	217	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-19	PCB Container	VENTILATION DUCT OIL AND WATER	3/31/2016	L	422	191	7.4	C-746-Q	Proc Bldgs	ТМ
120306	120306-20	PCB Container	VENTILATION DUCT OIL AND WATER	4/13/2016	L	471	214	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-21	PCB Container	VENTILATION DUCT OIL AND WATER	5/4/2016	L	461	209	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-22	PCB Container	VENTILATION DUCT OIL AND WATER	5/4/2016	L	476	216	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-23	PCB Container	VENTILATION DUCT OIL AND WATER	5/11/2016	L	457	207	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-24	PCB Container	VENTILATION DUCT OIL AND WATER	5/12/2016	L	497	225	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-25	PCB Container	VENTILATION DUCT OIL AND WATER	5/17/2016	L	460	209	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-26	PCB Container	VENTILATION DUCT OIL AND WATER	5/17/2016	L	508	230	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-27	PCB Container	VENTILATION DUCT OIL AND WATER	5/17/2016	L	524	238	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-28	PCB Container	VENTILATION DUCT OIL AND WATER	6/1/2016	L	484	220	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-29	PCB Container	VENTILATION DUCT OIL AND WATER	7/5/2016	L	502	228	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-30	PCB Container	VENTILATION DUCT OIL AND WATER	7/5/2016	L	469	213	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-31	PCB Container	VENTILATION DUCT OIL AND WATER	7/5/2016	L	475	215	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-32	PCB Container	VENTILATION DUCT OIL AND WATER	7/5/2016	L	460	209	7.4	C-746-Q	Proc Bldgs	ТМ
120306	120306-33	PCB Container	VENTILATION DUCT OIL AND WATER	7/5/2016	L	482	219	7.4	C-746-Q	Proc Bldgs	TM
120306	120306-34	PCB Container	VENTILATION DUCT OIL AND WATER	7/6/2016	L	503	228	7.4	C-746-Q	Proc Bldgs	TM

Table 10.9. PCB Waste Inventory as of December 31, 2016 (Continued)

RFD	Waste ID	PCB Item	Description	PCB Date	Physical	Gross Wt (lb)	Gross Wt (kg)	Gross Vol (ft ³)	Current Facility	Source	Waste Cat
120306	120306-35	PCB Container	VENTILATION DUCT OIL AND WATER	7/7/2016	L	485	220	7.4	C-746-Q	Proc Bldgs	TM
119803	119803-06	PCB Container	SPILL CLEANUP FROM VENT DUCT TROUGHS	3/11/2016	S	167	76	7.4	C-746-Q	Proc Bldgs	TM
119803	119803-07	PCB Container	SPILL CLEANUP FROM VENT DUCT TROUGHS	4/19/2016	S	101	46	7.4	C-746-Q	Proc Bldgs	TM
119803	119803-08	PCB Container	SPILL CLEANUP FROM VENT DUCT TROUGHS	1/21/2016	S	132	60	7.4	C-746-Q	Proc Bldgs	TM
119803	119803-09	PCB Container	SPILL CLEANUP FROM VENT DUCT TROUGHS	7/11/2016	S	177	80	7.4	C-746-Q	Proc Bldgs	TM
120587	120587-01	PCB Container	VENTILATION DUCT OIL AND WATER	7/7/2016	L	464	210	7.4	C-746-Q	Proc Bldgs	TM
120587	120587-02	PCB Container	VENTILATION DUCT OIL AND WATER	7/7/2016	L	470	213	7.4	C-746-Q	Proc Bldgs	TM
120587	120587-03	PCB Container	VENTILATION DUCT OIL AND WATER	7/7/2016	L	517	235	7.4	C-746-Q	Proc Bldgs	TM
120587	120587-04	PCB Container	VENTILATION DUCT OIL AND WATER	7/11/2016	L	450	204	7.4	C-746-Q	Proc Bldgs	TM
120587	120587-05	PCB Container	VENTILATION DUCT OIL AND WATER	7/11/2016	L	501	227	7.4	C-746-Q	Proc Bldgs	TM
120587	120587-06	PCB Container	VENTILATION DUCT OIL AND WATER	7/13/2016	L	504	229	7.4	C-746-Q	Proc Bldgs	TM
120587	120587-07	PCB Container	VENTILATION DUCT OIL AND WATER	7/19/2016	L	492	223	7.4	C-746-Q	Proc Bldgs	TM
120587	120587-08	PCB Container	VENTILATION DUCT OIL AND WATER	7/28/2016	L	503	228	7.4	C-746-Q	Proc Bldgs	TM
120587	120587-09	PCB Container	VENTILATION DUCT OIL AND WATER	8/2/2016	L	510	231	7.4	C-746-Q	Proc Bldgs	TM
120587	120587-10	PCB Container	VENTILATION DUCT OIL AND WATER	8/9/2016	L	499	226	7.4	C-746-Q	Proc Bldgs	TM
120587	120587-11	PCB Container	VENTILATION DUCT OIL AND WATER	8/9/2016	L	473	215	7.4	C-746-Q	Proc Bldgs	TM
120587	120587-12	PCB Container	VENTILATION DUCT OIL AND WATER	8/9/2016	L	492	223	7.4	C-746-Q	Proc Bldgs	TM
120587	120587-13	PCB Container	VENTILATION DUCT OIL AND WATER	8/9/2016	L	470	213	7.4	C-746-Q	Proc Bldgs	TM
120587	120587-14	PCB Container	VENTILATION DUCT OIL AND WATER	8/9/2016	L	471	214	7.4	C-746-Q	Proc Bldgs	TM
120587	120587-15	PCB Container	VENTILATION DUCT OIL AND WATER	8/16/2016	L	517	235	7.4	C-746-Q	Proc Bldgs	TM

Table 10.9. PCB Waste Inventory as of December 31, 2016 (Continued)

RFD	Waste ID	PCB Item	Description	PCB Date	Physical	Gross Wt (lb)	Gross Wt (kg)	Gross Vol (ft ³)	Current Facility	Source	Waste Cat
120587	120587-16	PCB Container	VENTILATION DUCT OIL AND WATER	8/17/2016	L	504	229	7.4	C-746-Q	Proc Bldgs	TM
120587	120587-17	PCB Container	VENTILATION DUCT OIL AND WATER	8/17/2016	L	505	229	7.4	C-746-Q	Proc Bldgs	TM
120587	120587-18	PCB Container	VENTILATION DUCT OIL AND WATER	8/17/2016	L	492	223	7.4	C-746-Q	Proc Bldgs	TM
120587	120587-19	PCB Container	VENTILATION DUCT OIL AND WATER	8/17/2016	L	496	225	7.4	C-746-Q	Proc Bldgs	TM
120587	120587-20	PCB Container	VENTILATION DUCT OIL AND WATER	8/17/2016	L	516	234	7.4	C-746-Q	Proc Bldgs	TM
120587	120587-21	PCB Container	VENTILATION DUCT OIL AND WATER	8/17/2016	L	483	219	7.4	C-746-Q	Proc Bldgs	TM
120587	120587-22	PCB Container	VENTILATION DUCT OIL AND WATER	8/18/2016	L	454	206	7.4	C-746-Q	Proc Bldgs	TM
120587	120587-23	PCB Container	VENTILATION DUCT OIL AND WATER	8/24/2016	L	482	219	7.4	C-746-Q	Proc Bldgs	TM
120587	120587-24	PCB Container	VENTILATION DUCT OIL AND WATER	9/8/2016	L	305	138	7.4	C-746-Q	Proc Bldgs	TM
120903	120903-01	PCB Container	VENTILATION DUCT OIL AND WATER FROM C-337	11/17/2016	L	454	206	7.4	C-337	C-337	TM
120903	120903-02	PCB Container	VENTILATION DUCT OIL AND WATER FROM C-337	11/30/2016	L	483	219	7.4	C-337	C-337	TM
120903	120903-03	PCB Container	VENTILATION DUCT OIL AND WATER FROM C-337	12/6/2016	L	456	207	7.4	C-337	C-337	TM
120903	120903-04	PCB Container	VENTILATION DUCT OIL AND WATER FROM C-337	12/6/2016	L	448	203	7.4	C-337	C-337	TM
120903	120903-05	PCB Container	VENTILATION DUCT OIL AND WATER FROM C-337	12/19/2016	L	438	199	7.4	C-746-Q	C-337	TM
120903	120903-06	PCB Container	VENTILATION DUCT OIL AND WATER FROM C-337	12/19/2016	L	436	198	7.4	C-746-Q	C-337	TM
120903	120903-07	PCB Container	VENTILATION DUCT OIL AND WATER FROM C-337	12/19/2016	L	486	220	7.4	C-746-Q	C-337	TM
120903	120903-08	PCB Container	VENTILATION DUCT OIL AND WATER FROM C-337	12/28/2016	L	474	215	7.4	C-746-Q	C-337	TM
120904	120904-01	PCB Container	SPILL CLEANUP FROM VENT DUCT TROUGHS FROM C-337	11/1/2016	S	*	*	*	C-337	C-337	ТМ
120905	120905-01	PCB Container	VENTILATION DUCT OIL AND WATER FROM C-335	11/30/2016	L	442	200	7.4	C-746-Q	C-335	ТМ
120905	120905-02	PCB Container	VENTILATION DUCT OIL AND WATER FROM C-335	12/20/2016	L	322	146	7.4	C-746-Q	C-335	ТМ

Table 10.9. PCB Waste Inventory as of December 31, 2016 (Continued)

RFD	Waste ID	PCB Item	Description	PCB Date	Physical	Gross Wt (lb)	Gross Wt (kg)	Gross Vol (ft ³)	Current Facility	Source	Waste Cat
120907	120907-01	IPC'R Container	VENTILATION DUCT OIL AND WATER FROM C-333	11/30/2016	L	286	130	7.4	C-746-Q	C-333	TM

*Collection containers not weighed by December 31, 2016.

L = Liquid

RTM = RCRA-TSCA Mixed

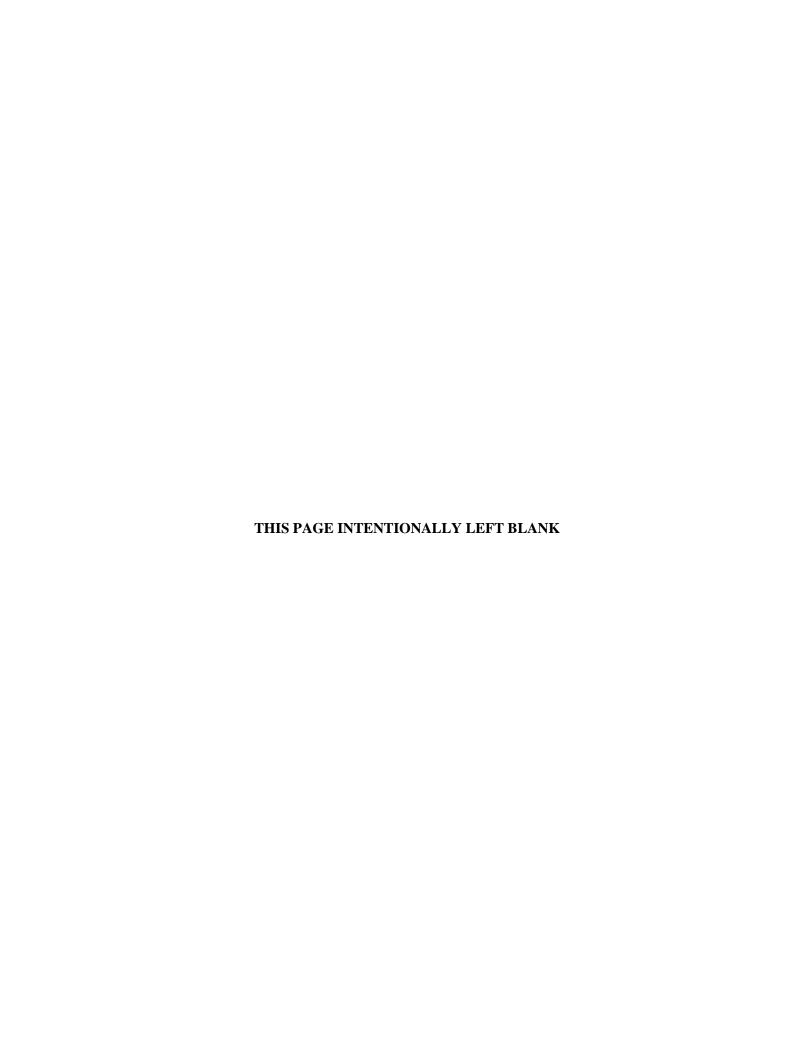
RTN = RCRA-TSCA Nonradiological

S = Solid

TM = TSCA Mixed

TN = TSCA Nonradiological

		2016 SUMMARY ENDING INV	ENTORY O	F PCB W	ASTE			
Item Coun	t		lb	kg	ft ³	(lb)	(kg)	(ft^3)
2	Articles		72,300	32,795	2,766			
2	Article Contai	563	256	14				
	0	Article Containers—Large Capacitors				0	0	(
	0	Article Containers—Electrical Equipment	0	0	(
	1	Article Containers—Light Ballasts	Article Containers—Light Ballasts					
	1	Article Containers—Misc Equip (motors, pump	os)			363	165	7
	0	Article Containers—Transformers				0	0	(
	0	Article Containers—Small Capacitors (< 3 lb)	0	0	(
112	Containers		49,072	22,259	785			
	102	Containers Liquid	48,495	21,998	755			
	10	16848 Containers Solid	Ī			577	261	30
116		TOTAL	121,935	55,310	3,565			



11. PCB WASTE SHIPMENT RECEIPT LOG

A PCB waste shipment receipt log is required by 40 *CFR* § 761.180(a)(2)(viii). The log presented on the following pages as Table 11.1 is an excerpt from a data file maintained by Fluor Federal Services, Inc., Paducah Deactivation Project personnel in the waste disposition functional group, which includes a record of phone calls or other agreed method to confirm receipt of PCB shipments. Information in the log that is not required for this report has been omitted from Table 11.1.

Table 11.1. PCB Waste Shipment Log

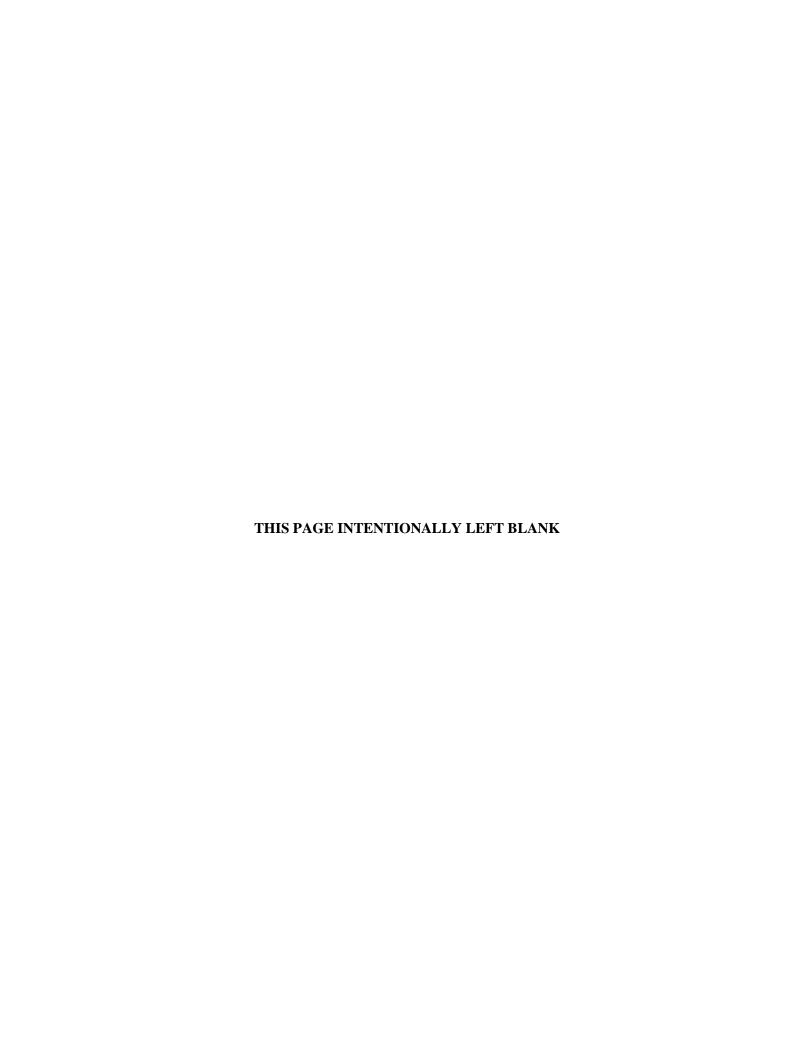
Shipment ID #			Comments/Notes	Date Manifest Received	TSCA	Confirmation E-mail Received from Clive	
DSSI-16-031	3/23/2016	Diversified Scientific Services, Inc. (DSSI)-TN	006841794JJK	(26) Drums of Non-DOT Regulated Waste, (3) Drums of PCB Waste, (4) Drums of RCRA Waste	3/24/2016	RT	Received delivery confirmation via e-mail from Josh Norman on 3/24/2016
9701-02-0013	3/28/2016	EnergySolutions (ES)-Clive	006841795JJK	(1) ST-90 Mixed/PCB Waste (RFD# 120344-01)	4/25/2016	RT	Received delivery confirmation via e-mail from Albert Evans on 3/31/2016
7307-15-0002	3/28/2016	ES-Clive	006841798JJK	(10) Drums of PCB/LLW, (42) Drums of PCB Waste	4/25/2016	T	Received delivery confirmation via e-mail from Albert Evans on 3/31/2016 Received delivery confirmation
9701-15-0007	4/28/2016	ES-Clive	006841802JJK	(1) Drum of PCB Waste, RFD#119845-10	5/26/2016	T	via e-mail from Albert Evans on 3/31/2016 Received delivery confirmation
FLR16-HSPCB-055	5/20/2016	Clean Harbors (CH)-LaPorte, TX	006841805JJK	(1) Tanker of PCB Transformer Oil RFD# 119880-61	5/24/2016	Т	via e-mail from Albert Evans on 5/23/2016
02620	6/29/2016	Perma-Fix Gainesville, FL	006841810JJK	of PCB/RCRA Mixed, (2) Drum of RCRA Waste, (1) Drum of RCRA/TSCA Waste, (1) ST-90 of Non-DOT Waste	7/11/2016	RT	Received delivery confirmation via phone call from Josh Norman on 7/5/2016
9701-21-0014	6/30/2016	ES-Clive	006841813JJK	(1) Drum of PCB/LLW	7/8/2016	Т	Received delivery confirmation via e-mail from Jake Gardner on 7/8/2016
9701-17-0001	6/30/2016	ES-Clive	006841811JJK	(12) Drums of PCB Waste	7/8/2016	Т	Received delivery confirmation via e-mail from Jake Gardner on 7/8/2016
9701-21-0015	7/19/2016	ES-Clive	006841814JJK	(1) ST-90 of LLW/PCB Remediation Debris and (1) Excepted Packaged Motor (Scrap Equipment)	7/25/2016	T	Received delivery confirmation via e-mail from Albert Jones on 7/22/2016
02623	8/19/2016	Perma-Fix Gainesville, FL	006841816ЈЈК	(1) Drum of RCRA liquid, (1) Drum PCB/RCRA Mixed Liquid Lab Residuals & (1) drum of PCB/RCRA Mixed Solid Lab Residuals	8/29/2016	RT	Received delivery confirmation via e-mail from Josh Norman on 8/22/2016
9701-15-0008	8/26/2016	ES-Clive	006841819JJK	(3) Drums of Contaminated Chemical Waste, (1) Drum of Contaminated Chemical Waste with PCBs	9/1/2016	RT	Received delivery confirmation via e-mail from Tom Wright on 8/29/2016
DSSI-16-112	10/27/2016	DSSI-TN	006841822JJK	(5) Drums of LLW/RCRA/PCB	10/27/2016	RT	Received delivery confirmation via e-mail from Josh Norman on 10/27/2016
9701-02-0015	10/28/2016	ES-Clive	006841824JJK	(1) ST-90 of LLW/RCRA/PCB-Macro	11/7/2016	RT	Received delivery confirmation via phone call from Tom Wright on 11/1/2016

Table 11.1. PCB Waste Shipment Log (Continued)

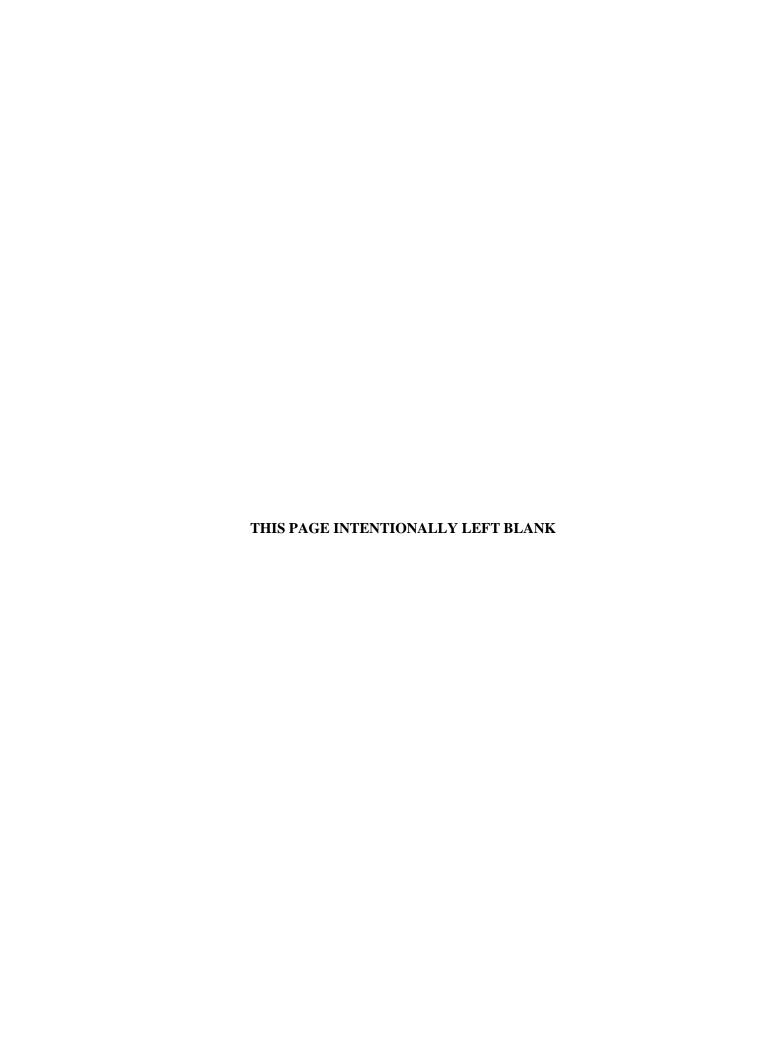
Shipment ID #	Actual Ship Date	Shipment Destination	UHWM#	Comments/Notes	Date Manifest Received	TSCA	Confirmation E-mail Received from Clive
7307-03-0002	10/28/2016	ES-Clive	006841825JJK	(1) ST-90 of LLW/RCRA/PCB	11/7/2016	RT	Received delivery confirmation via phone call from Tom Wright on 11/1/2016
9701-24-0003	10/28/2016	ES-Clive	006841826ЈЈК	(2) Totes of LLW/RCRA/PCB	11/7/2016	RT	Received delivery confirmation via phone call from Tom Wright on 11/1/2016

R = RCRA

T = TSCA



APPENDIX A PCB TRANSFORMER MAINTENANCE RECORDS



PCB TRANSFORMER MAINTENANCE RECORDS

REF. 40 CFR § 761.30(a)(1)(xii)

No maintenance was performed on PCB transformers in CY 2016; therefore, no maintenance records are available.



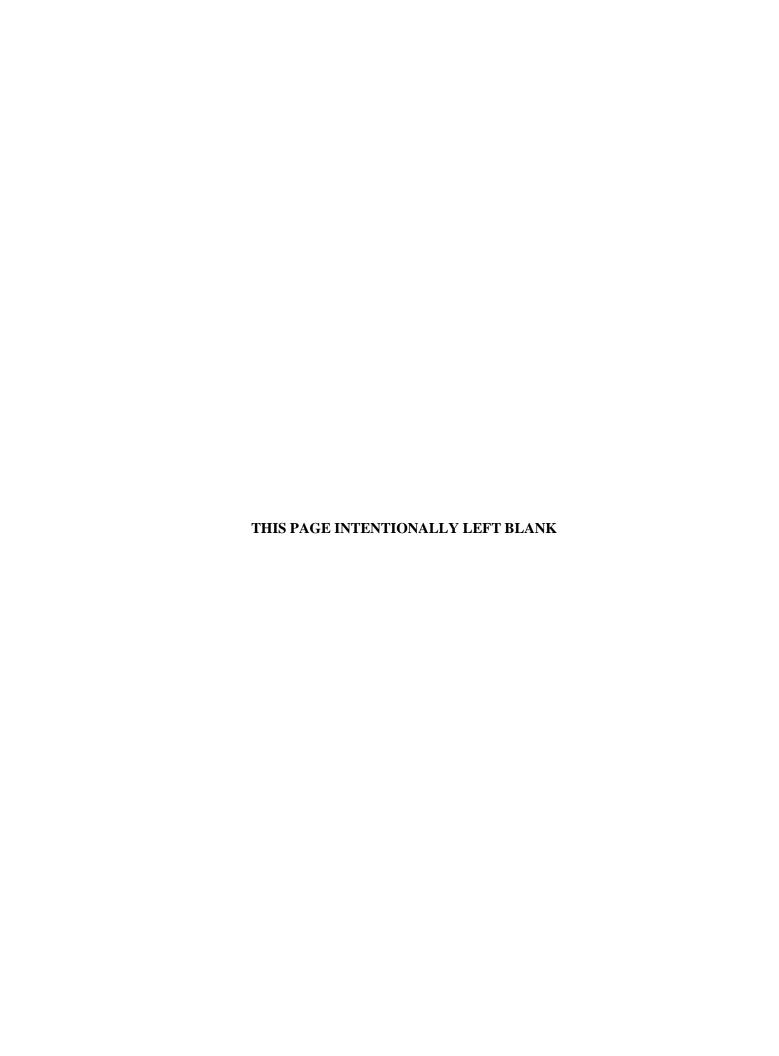
APPENDIX B PCB TRANSFORMER INSPECTION RECORDS



PCB TRANSFORMER INSPECTION RECORDS

REF. 40 CFR § 761.30(a)(1)(xii)

No PCB transformers were in service as of December 31, 2015; therefore, there are no required inspection records.



APPENDIX C LABORATORY PCB STANDARDS INVENTORY



LABORATORY PCB STANDARDS INVENTORY

Table C.1 is an inventory of laboratory PCB standards used in the Fluor Federal Services, Inc., Paducah Deactivation Project laboratory during 2016.

Table C.1. Laboratory 2016 Standards Inventory 2016 Standards Inventory C-709

Chemical Name	Vendo	or Name	Initial Inventory for 2016	Amount Received	Amount Consumed or Disposed of	Final Inventory for 2016
Aroclor 1016	Chem Services Restek	5 ml. ampul 1 ml. ampul	5 ml.	0 ml.	5 ml.	0 ml.
Aroclor 1221	Chem Services Restek	5 ml. ampul 1 ml. ampul	5 ml. 3 ml.	0 ml. 0 ml.	5 ml. 3 ml.	0 ml. 0 ml.
Aroclor 1232	Chem Services Restek	5 ml. ampul 1 ml. ampul	5 ml. 4 ml.	0 ml.	5 ml. 4 ml.	0 ml.
Aroclor 1242	Chem Services Restek	5 ml. ampul 1 ml. ampul	5 ml. 3 ml.	0 ml.	5 ml. 3 ml.	0 ml. 0 ml.
Aroclor 1248	Chem Services Restek	5 ml. ampul 1 ml. ampul	5 ml. 4 ml.	0 ml.	5 ml. 4 ml.	0 ml. 0 ml.
Aroclor 1254	Chem Services Restek	5 ml. ampul 1 ml. ampul	5 ml. 4 ml.	0 ml.	5 ml. 4 ml.	0 ml. 0 ml.
Aroclor 1260	Chem Services Restek	5 ml. ampul 1 ml. ampul	5 ml. 2 ml.	0 ml.	5 ml. 2 ml.	0 ml. 0 ml.
Aroclor 1268	Chem Services Restek	5 ml. ampul 1 ml. ampul	5 ml. 2 ml.	0 ml.	5 ml. 2 ml.	0 ml. 0 ml.
Aroclor 1016/1260 Mix	Restek	1 ml. ampul	1 ml.	0 ml.	1 ml.	0 ml.
Aroclor 1242	Supelco	1 ml. ampul	3 ml.	0 ml.	0 ml.	3 ml.
Decachlorobiphenl (DCB)	Chem Services Restek	5 ml. ampul 5 ml. ampul	5 ml. 10 ml.	0 ml. 0 ml.	0 ml. 0 ml.	5 ml. 10 ml.
Surrogate Mix - 8080	Chem Services	5 ml. ampul	5 ml.	0 ml.	0 ml.	5 ml.

Notes

Aroclor 1242 (Supelco) was added to the inventory for 2016 2,4,5,6-tetrachloro-m-Xylene (TCMX) was removed from the list because it is not PCB Di-n-propylphthalate was removed from the list because it is not PCB