



Department of Energy

Portsmouth/Paducah Project Office
1017 Majestic Drive, Suite 200
Lexington, Kentucky 40513
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June 29, 2026

Ms. Myrna Redfield, Program Manager
Four Rivers Nuclear Partnership, LLC
5511 Hobbs Road
Kevil, Kentucky 42053

PPPO-02-10037431-26

Dear Ms. Redfield:

**DE-EM0004895: CONDITIONAL CONCURRENCE ON DELIVERABLE NO. 68,
FINAL ANNUAL DOCUMENT OF POLYCHLORINATED BIPHENYLS, FOR
JANUARY 1, 2025 – DECEMBER 31, 2025, FRNP-RPT-0414**

Reference: Letter from M. Redfield to J. Stokes, “Four Rivers Nuclear Partnership, LLC—
Deliverable No. 68—*FINAL Annual Document of Polychlorinated Biphenyls at
the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, for January 1, 2025 –
December 31, 2025, FRNP-RPT-0414,*” (FRNP-26-10186), dated June 23, 2026

The U.S. Department of Energy reviewed the Four Rivers Nuclear Partnership, LLC,
Deliverable No. 68, final *Annual Document of Polychlorinated Biphenyls for January 1, 2025 –
December 31, 2025, FRNP-RPT-0414*, and conditionally concurs with the document, contingent
upon revision of the reference in the last sentence of the Executive Summary on page ES-1 of
Enclosures 1 and 2, which specifies, “*Uranium Enrichment Toxic Substances Control Act
Compliance Agreement 2025 Annual Compliance Agreement Report January 1 through
December 31, 2025, for the Paducah Gaseous Diffusion Plant, Paducah, Kentucky,
FRNP-RPT-0419, dated May 2026.*” The date of the report in the reference should be revised to
“June 2026,” to reflect when the report was issued.

If you have any questions or require additional information, please contact Ryan Callihan at
(740) 897-2835.

Sincerely,

**APRIL
LADD**

April Ladd
Contracting Officer’s Representative
Portsmouth/Paducah Project Office

Digitally signed by
APRIL LADD
Date: 2026.06.29
14:38:53 -05'00'

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**Annual Document of
Polychlorinated Biphenyls
at the Paducah Gaseous Diffusion Plant,
Paducah, Kentucky, for
January 1, 2025–December 31, 2025**



CLEARED FOR PUBLIC RELEASE

**Annual Document of
Polychlorinated Biphenyls
at the Paducah Gaseous Diffusion Plant,
Paducah, Kentucky, for
January 1, 2025–December 31, 2025**

Date Issued—June 2026

U.S. DEPARTMENT OF ENERGY
Office of Environmental Management

Prepared by
FOUR RIVERS NUCLEAR PARTNERSHIP, LLC,
Managing the
Deactivation and Remediation Project at the
Paducah Gaseous Diffusion Plant
under Contract No. DE-EM0004895

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ACRONYMS

CD	certificate of disposal
<i>CFR</i>	<i>Code of Federal Regulations</i>
CY	calendar year
DOE	U.S. Department of Energy
EPA	U.S. Environmental Protection Agency
PCB	polychlorinated biphenyls
RCRA	Resource Conservation and Recovery Act
TSDf	treatment, storage, and disposal facility
UHWm	Uniform Hazardous Waste Manifest
WTS	waste tracking system

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EXECUTIVE SUMMARY

This *Annual Document of Polychlorinated Biphenyls at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, for January 1, 2025–December 31, 2025*, (Annual Document) was prepared to meet applicable requirements of the Toxic Substances Control Act, as codified in the *Code of Federal Regulations* at 40 *CFR* Part 761, Subpart J, *General Records and Reports*. The mailing address for the U.S. Department of Energy (DOE) Paducah Site is 5501 Hobbs Road, Kevil, Kentucky 42053. The physical address is 5600 Hobbs Road, Kevil, Kentucky 42053. The U.S. Environmental Protection Agency (EPA) Identification Number is KY8-890-008-982. The Annual Document provides records and information required by 40 *CFR* § 761.180(a), *Records and Monitoring, PCBs and PCB Items in service or projected for disposal*.

The Annual Records required by 40 *CFR* § 761.180(a)(1) are located in Sections 1–4 and address the signed manifests, certificates of disposal (CDs), waste storage area inspections, and spill cleanup activities, respectively. The information for the annual document log, which is required by 40 *CFR* § 761.180(a)(2), is located in Section 1 and Sections 5–6. The annual document log includes the name, address, and EPA identification number of the facility, unique manifest number of every polychlorinated biphenyl (PCB) waste manifest generated by the facility during the calendar year (CY) (Section 1), PCB electrical equipment remaining in service at the end of the CY (Section 5), and information on PCB waste shipped off-site and stored at the facility (Section 6). The appendices contain the PCB waste manifests, PCB waste CDs, PCB waste storage area inspection records, and PCB waste inventory tables.

The PCB items in service and PCB activities at the Paducah Site for CY 2025 are summarized below:

PCB transformers in service as of 12/31/2025:	0
Total PCBs in kg in PCB transformers as of 12/31/2025:	0
PCB large capacitors in service as of 12/31/2025:.....	0
PCB waste in kg ¹ generated in CY 2025:	394.64
PCB waste in kg ² shipped off-site for treatment/disposal in CY 2025:.....	942.10
PCB waste in kg ³ remaining in storage for disposal as of 12/31/2025:.....	387.38

Throughout CY 2025, the Paducah Site generated nine manifested shipments of PCB wastes to off-site treatment/disposal facilities. Ten CDs were received in CY 2025 for disposal of PCB wastes.

Due to the nature and history of operations at the Paducah Site, 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 it can be disposed of appropriately. In accordance with 40 *CFR* § 761.65, PCB wastes shall not be stored for more than one year. Radiologically contaminated PCB wastes may be stored beyond the one-year limit, as outlined in 40 *CFR* § 761.65(a)(1). Efforts to secure disposal of radioactive PCB waste items exceeding the one-year storage limitation are discussed in the *Uranium Enrichment Toxic Substances Control Act Compliance Agreement 2025 Annual Compliance Agreement Report January 1 through December 31, 2025, for the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, FRNP-RPT-0419, dated June 2026, in accordance with the *Modification to the February 20, 1992, Compliance Agreement Between the United States Department of Energy and the United States Environmental Protection Agency, Washington, D.C., Toxic Substances Control Act*, approved May 30, 2017.

¹ The weights in kg are taken from the Waste Tracking System, Requests for Disposal, or generator-supplied information, and may be estimated.

² The weights in kg were taken from the Uniform Hazardous Waste Manifests, as shown in Table 1.1, which differ from Waste Tracking System weights shown in Table D.4.

³ See Note 1.

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1. PCB WASTE MANIFESTS

Uniform Hazardous Waste Manifests (UHWMs) of polychlorinated biphenyl (PCB) wastes shipped by the facility during the calendar year (CY) are annual records required by 40 *CFR* § 761.180(a)(1)(i), *PCBs and PCB Items in service or projected for disposal*. This section of the *Annual Document of Polychlorinated Biphenyls at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, for January 1, 2025–December 31, 2025*, (Annual Document) contains the information from the signed manifests of PCB wastes shipped off-site for disposal during CY 2025, which are included in Appendix A.

Nine manifests with 12 containers of solid and liquid PCB wastes were shipped for disposal. Copies of the UHWMs are located in Appendix A. PCB wastes were shipped to the following disposal sites:

- EnergySolutions disposal facility in Clive, Utah; and
- Diversified Scientific Solutions, Inc., disposal facility in Kingston, Tennessee.

Table 1.1 summarizes the 2025 manifested PCB waste shipments. The table includes the manifest number, the shipment destination, the number of PCB containers/items on the manifest, and the net weight in kilograms of PCB 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 in the waste tracking system (WTS) and the “PCB and Additional Information” attachment to the UHWM. When completing manifest documentation, the Deactivation and Remediation Contractor 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.

Table 1.1. PCB Waste Manifests Summary

UHMW Number	Date Shipped	Shipment Destination	Number of PCB Containers	Weight from UHMW (kg) *
025264720JJK	1/7/2025	EnergySolutions, Clive, UT	1	50.00
025264749JJK	2/27/2025	EnergySolutions, Clive, UT	1	258.00
025264754JJK	2/27/2025	EnergySolutions, Clive, UT	3	176.00
025264768JJK	3/11/2025	DSSI, Inc., Kingston, TN	1	125.00
025264777JJK	5/29/2025	EnergySolutions, Clive, UT	2	57.00
025264781JJK	5/29/2025	EnergySolutions, Clive, UT	1	160.00
025264782JJK	5/29/2025	EnergySolutions, Clive, UT	1	36.00
025264785JJK	5/28/2025	DSSI, Inc., Kingston, TN	1	44.00
025264812JJK	9/4/2025	EnergySolutions, Clive, UT	1	36.00
Total UHMW: 9			12	942.00

* The weights in kg were taken from the UHMWs which may differ from WTS weights shown in Table D.4.

2. PCB WASTE CERTIFICATES OF DISPOSAL

Certificates of disposal (CDs) that have been received by the facility during CY 2025 for PCB wastes disposed of are annual records required by 40 *CFR* § 761.180(a)(1)(ii). Ten CDs were received in 2025 from the following facilities:

- Energy*Solutions* disposal facility in Clive, Utah
- Diversified Scientific Solutions, Inc., disposal facility in Kingston, Tennessee

Table 2.1 lists the UHWM number, disposal facility, date disposed of, number of PCB containers/items disposed of, and the weight in kilograms of PCB items shipped. The weights listed in the table were obtained from the UHWMs.

The CDs are presented in Appendix B. If the CD received in 2025 was for waste shipped in 2025, the manifests are shown in Table 1.1 and Appendix A.

Table 2.1. PCB Waste Certificates of Disposal Summary

UHW M	Earliest Date Removed from Service	Date Shipped	Disposer	Containers Disposed of	Weight from UHW M (kg)*	Date of Disposal	Date CD Received
025264634JJK	7/21/2023	5/14/2024	EnergySolutions, Clive, UT	1	89.00	2/11/2025	2/20/2025
025264719JJK	12/12/2023	12/17/2024	DSSI, Inc., Kingston, TN	1	153.00	2/27/2025	3/19/2025
025264720JJK	1/10/2024	1/7/2025	EnergySolutions, Clive, UT	1	50.00	2/27/2025	3/21/2025
025264749JJK	3/19/2024	2/27/2025	EnergySolutions, Clive, UT	1	258.00	3/27/2025	4/15/2025
025264754JJK	4/16/2024	2/27/2025	EnergySolutions, Clive, UT	3	176.00	3/10/2025	3/21/2025
025264768JJK	4/25/2024	3/11/2025	DSSI, Inc., Kingston, TN	1	125.00	5/30/2025	6/12/2025
025264777JJK	9/12/2024	5/29/2025	EnergySolutions, Clive, UT	2	57.00	9/15/2025	10/1/2025
025264781JJK	10/16/2024	5/29/2025	EnergySolutions, Clive, UT	1	160.00	6/23/2025	6/27/2025
025264782JJK	8/14/2024	5/29/2025	EnergySolutions, Clive, UT	1	36.00	8/4/2025	8/8/2025
025264785JJK	7/1/2024	5/28/2025	DSSI, Inc., Kingston, TN	1	44.00	6/26/2025	7/1/2025
Totals				13	1,148.00		

* The weights in kg were taken from the UHWMs, as shown in Table 1.1, which differs from WTS weights shown in Table 6.1.

3. PCB WASTE STORAGE AREA INSPECTION RECORDS

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

Table 3.1 lists the PCB waste storage areas (i.e., a building or an area within a building) established and/or operated for PCB wastes at the Paducah Site during CY 2025. Appendix C 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.

As noted in Appendix C, supplemental inspection information is used to demonstrate continued compliance with 40 *CFR* § 761.65(c)(5) during instances when routine PCB storage inspection frequencies exceed 30 days. This supplemental information is comprised of other inspections/walkdowns [e.g., Resource Conservation and Recovery Act (RCRA) storage facility inspections, waste facility inventory inspections, facility operations daily rounds] performed in the facilities where the affected PCB waste containers are stored. Any containers, including PCB containers, found to have deficiencies during these supplemental inspections are documented and reported. When necessary, this supplemental information is compiled and maintained with the site PCB storage area inspection records.

Table 3.1. PCB Waste Storage Areas at the Paducah Site

Building	Waste Area Designator
C-333	G-331-18 ^a
C-333	S-333-27 ^{b,c}
C-333	S-333-28 ^b
C-333	S-333-29 ^b
C-333	S-333-30 ^{b,d}
C-337	G-337-32 ^{a,e}
C-337	G-337-PCB-02 ^a
C-337	S-337-12 ^b
C-733	C-733
C-746-A	C-746-A
C-746-Q	C-746-Q
C-752-A	C-752-A
C-753-A	C-753-A
C-757	G-757-03 ^a

^aWaste Area Designators that begin with a “G” indicate a generator staging area, which is a temporary storage area for non-RCRA, PCB, and/or low-level (radioactive) waste.

^bWaste Area Designators that begin with a “S” indicate a satellite accumulation area, which is a temporary storage area for RCRA, but may be mixed with PCB, and/or low-level (radioactive) waste.

^cS-333-27 was closed on February 4, 2025.

^dS-333-30 was closed on February 4, 2025.

^eS-337-32 was established on June 2, 2025, and closed on September 9, 2025.

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4. PCB SPILL CLEANUP RECORDS

Records of cleanup and disposal of any spilled or leaked materials from PCB items in storage, in accordance with 40 *CFR* § 761.65(c)(5), are annual records required by 40 *CFR* § 761.180(a)(1)(iii). Because no spills occurred in PCB storage areas during CY 2025, there are no records.

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5. PCB ELECTRICAL EQUIPMENT IN SERVICE

No PCB [≥ 500 parts per million (ppm)] transformers or PCB (≥ 500 ppm) large capacitors were in service at the Paducah Site as of December 31, 2025, which is summarized in Table 5.1. In addition, no PCB transformers or PCB large capacitors were removed from service in CY 2025. Sixty-seven PCB transformers were removed from service, drained, and flushed during 2015. They were stored in place in C-337 during CY 2025. Residual flushate was removed over time as it drained through and collected in the units.

There are no CY 2025 PCB transformer maintenance records because there was no maintenance performed on these transformers, and the transformers currently are not in service.

**Table 5.1. PCB Electrical Equipment in Service
as of December 31, 2025**

Type	Number in Service	Volume (gal)	PCB (kg)
PCB transformers*	0	0	0
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. Due to their size and the structural interferences in the process buildings, options for disposal of these items continue to be evaluated.

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6. PCB WASTE ACTIVITY

PCB waste activities performed by the facility during CY 2025 are annual records required by 40 *CFR* § 761.180 (a)(2)(iii). The PCB Waste Activity Summary for CY 2025 is shown in Table 6.1. Detailed tables supporting the summary table are located in Appendix D. Throughout the tables, the PCB Date, often referred to as PCB DTS (date to storage), reflects the date that the PCB waste was first added to a container and is also the origin date of the container.

The PCB Waste Inventory for December 31, 2024, has been adjusted from the “PCB Waste Inventory as of December 31, 2024,” reported as Table D.5 of the *Annual Document of Polychlorinated Biphenyls at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, for January 1, 2024—December 31, 2024*, FRNP-RPT-0388. The net changes to the January 1, 2025, beginning inventory include adjustments because of in-process collection containers at the time of the 2024 inventory, information received after the 2024 report submittal, and/or weight corrections.

The detailed listing of the December 31, 2024, corrections and adjustments is provided in Appendix D, Table D.1.

The detailed listing of PCB waste generated during CY 2025 is provided in Appendix D, Table D.2.

The detailed listing of the adjustments to the CY 2025 PCB inventory is provided in Appendix D, Table D.3.

The detailed listing of the PCB waste shipped in CY 2025 is provided in Appendix D, Table D.4.

The detailed listing of the PCB waste inventory as of December 31, 2025, is provided in Appendix D, Table D.5.

There was no PCB waste received from off-site facilities in CY 2025.

Table 6.1. PCB Waste Activity Summary for CY 2025

PCB Waste Items In Inventory	12/31/2024 Inventory		Corrections and Adjustments to Beginning Inventory ^a		1/1/2025 Inventory		Generated		Corrections to 2025 Inventory ^b		Shipped for Disposal		12/31/2025 Inventory	
	<i>pc</i>	<i>kg</i>	<i>pc</i>	<i>kg</i>	<i>pc</i>	<i>kg</i>	<i>pc</i>	<i>kg</i>	<i>pc</i>	<i>kg</i>	<i>pc</i>	<i>kg</i>	<i>pc</i>	<i>kg</i>
ARTICLES														
<i>PCB Transformer Components (drained)</i>	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
<i>PCB Transformers (drained)</i>	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
ARTICLE CONTAINERS^c														
<i>Large Capacitors</i>	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
<i>Light Ballasts</i>	2	341.15	0	76.15	2	417.30	2	115.21	0	0.00	3	425.01	1	107.95
<i>Miscellaneous Equipment (motors, pumps, etc.)</i>	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
CONTAINERS														
<i>Liquids^d</i>	2	168.73	0	0.00	2	168.73	4	136.08	0	0.00	2	168.73	4	136.08
<i>Solids</i>	7	327.04	0	21.32	7	348.36	4	143.35	0	0.00	7	348.36	4	143.35
BULK PCB REMEDIATION WASTE SOLIDS < 49 MG/Kg^e	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
TOTAL	11	836.92	0	97.47	11	934.39	10	394.64	0	0.00	12	942.10	9	387.38

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

^a The Corrections and Adjustments to Beginning Inventory column includes adjustments because of in-process collection containers at the time of the 2024 inventory, information received after the 2024 report submittal, characterization waste category adjustments, and/or weight corrections. Weights reported in this summary include the weight of the container (drum/box), except for tanks/tankers.

^b The Adjustments to 2025 Inventory column includes adjustments due to repackaging of wastes or because of in-process collection containers during the time of the 2025 inventory. Weights reported in this summary include the weight of the container (drum/box), except for tanks/tankers.

^c Article containers are drums or boxes of PCB transformers, PCB large capacitors, electrical equipment, PCB light ballasts, or PCB small capacitors.

^d Portable (mobile) tanks and totes are counted as containers.

^e PCB remediation waste solids disposed of at the on-site C-746-U Contained Landfill.

APPENDIX A

PCB WASTE MANIFESTS

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Phone	4. Manifest Tracking Number	
		RY 8890008982	2	1-270-441-6333	025264720 JJK	
5. Generator's Name and Mailing Address		Generator's Site Address (if different than mailing address)				
Four Rivers Nuclear Partnership, LLC, (FRNP)		Four Rivers Nuclear Partnership (FRNP) for				
For U.S. Department of Energy (DOE)		U.S. Department of Energy (DOE),				
5511 Hobbs Road, Kevil, KY 42053		5511 Hobbs Rd, Kevil, KY 42053				
6. Transporter 1 Company Name		U.S. EPA ID Number				
Hittman Transport Services		TNR000034686				
7. Transporter 2 Company Name		U.S. EPA ID Number				
8. Designated Facility Name and Site Address		U.S. EPA ID Number				
EnergySolutions Clive Disposal Site-Treatment Facility		UT0982598988				
US I-80 Exit 49, Clive, UT 84029						
Facility's Phone: 1-435-884-0155						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. NA 3077, Hazardous Waste, Solid, n.o.s., (PCB, Cadmium), 9, PG III, (PCB, D006)	1	DM	23	K	D006 D007 D008
	2.					
	3.					
	4.					
14. Special Handling Instructions and Additional Information						
Truck 928 Trailer: W97823 TID: 00476198 Accumulation Start Date: 04/03/24 PCB Start Date: 01/10/24						
ERG # 171 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator						
Exclusive Use Shipment. See PCB Attachment for Additional Info Shipment ID: 9750-01-0109						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.						
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offoror's Printed/Typed Name		Signature		Month Day Year		
Pearl Webber		Pearl Webber on behalf of FRNP		1 17 25		
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name		Signature		Month Day Year		
Billy Loftis		Billy Loftis		01 07 25		
Transporter 2 Printed/Typed Name		Signature		Month Day Year		
18. Discrepancy						
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection						
18b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number						
Facility's Phone:						
18c. Signature of Alternate Facility (or Generator) BY: Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1. H132 2. 3. 4.						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name		Signature		Month Day Year		
Albert Evans		Albert Evans		1 10 25		

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 025264720JJK

Shipment ID Number: 9750-01-0109

Shipment Date: 1/7/2025

UHM Section	RFD	Container / WASTE ID	Barcode	Description	PCB Date to Storage	ACCUMULATION STORAGE DATE	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Net Wt (lb)	Net Wt (Kg)	Maximum Activity MBq
9b.1	130116	130116-04	PAD24C62152	PCB SOLIDS WITH CADMIUM, CHROMIUM, AND LEAD	1/10/2024	4/3/2024	7.4	110	50	50	23	NA
TOTALS:							7.4	110	50	50	23	

A-4

12/20/2024

Equal Employment Opportunity, all provisions of the Executive Order 11246, as amended by Executive Order 11375, and of the rules, regulations, and relevant orders of the Secretary of Labor are incorporated herein.

LAND DISPOSAL NOTIFICATION AND CERTIFICATION

Generator Name: Four Rivers Nuclear Partnership

Manifest Doc. No. :

Profile No.:

State Manifest No.:

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

REF #	3. US EPA HAZARDOUS WASTE CODE(S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D006	Cadmium (TCLP)	☐	A
2	D007	Chromium (TCLP)	☐	A
3	D008	Lead (TCLP)	☐	A
4		FO 04/24/2024	☐	

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☐

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

To list additional USEPA waste code(s) and subcategory(ies), use the supplemental sheet provided (Form A2) and check here: ☐

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

A. RESTRICTED WASTE REQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.

☒ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS

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

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS

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

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS

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

C. RESTRICTED WASTE SUBJECT TO A VARIANCE

This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.

☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS

This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

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

Signature FRANKLIN OVERBY (Affiliate) Digitally signed by FRANKLIN OVERBY (Affiliate)
Date: 2024.04.24 11:37:09 -05'00'

Title WASTE ENGINEER

Date 04/24/2024

LAND DISPOSAL NOTIFICATION AND CERTIFICATION (PHASE IV)

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent **MUST** be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS²					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard ¹		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard ¹	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP) ³
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP) ³	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP) ³	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

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

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

³ These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

- A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.
- B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.
- C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

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

LAND DISPOSAL NOTIFICATION AND CERTIFICATION (PHASE IV)Generator Name: Four Rivers Nuclear Partnership

Manifest Doc. No. :

02526472022KProfile No.: 9750-01-0109

State Manifest No.:

NA

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

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

REF #	3. US EPA HAZARDOUS WASTE CODE(S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
5			☐	
6			☐	
7			☐	
8			☐	
9			☐	
10			☐	
11			☐	
12			☐	
13			☐	
14			☐	
15			☐	
16			☐	
17			☐	
18			☐	
19			☐	
20			☐	
21			☐	
22		FO 04/24/2024	☐	
23			☐	
24			☐	
25			☐	
26			☐	
27			☐	
28			☐	
29			☐	
30			☐	
31			☐	
32			☐	
33			☐	
34			☐	
35			☐	

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

Signature FRANKLIN OVERBY (Affiliate)Digitally signed by FRANKLIN OVERBY (Affiliate)
Date: 2024.04.24 11:38:30 -05'00'Title WASTE ENGINEERDate 04/24/2024

LAND DISPOSAL NOTIFICATION AND CERTIFICATION (PHASE IV)

Generator Name: Four Rivers Nuclear Partnership

Manifest Doc. No. :

025264720JJK

Profile No.:

9750-01-0109

State Manifest No.:

NA

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

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

REF #	3. US EPA HAZARDOUS WASTE CODE(S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
36			☐	
37			☐	
38			☐	
39			☐	
40			☐	
41			☐	
42			☐	
43			☐	
44			☐	
45			☐	
46			☐	
47			☐	
48			☐	
49			☐	
50			☐	
51			☐	
52		FO 04/24/2024	☐	
53			☐	
54			☐	
55			☐	
56			☐	
57			☐	
58			☐	
59			☐	
60			☐	
61			☐	
62			☐	
63			☐	
64			☐	
65			☐	

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

Signature FRANKLIN OVERBY (Affiliate)Digitally signed by FRANKLIN OVERBY (Affiliate)
Date: 2024.04.24 11:39:06 -05'00'Title WASTE ENGINEERDate 04/24/2024Form A2
Page 2 of 2

F039/UNDERLYING HAZARDOUS CONSTITUENT (UTS) (Phase IV)Generator Name: Four Rivers Nuclear Partnership

Manifest Doc. No. :

0252647205JK

Profile No.:

9750-01-0109

State Manifest No.:

NA

If D001-D043 requires treatment to the 40 CFR 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28 ¹
Acenaphthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38 ¹	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19 ¹	23 ¹	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062 ¹	NA ¹
Aldicarb sulfone		0.056 ¹	0.28 ¹	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol		0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol		0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol		0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056 ¹	1.4 ¹
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l ¹
Barban		0.056 ¹	1.4 ¹	o,p'-DDD		0.023	0.087
Bendiocarb		0.056 ¹	1.4 ¹	p,p'-DDD		0.023	0.087
Benomyl		0.056 ¹	1.4 ¹	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055 ¹	6.0 ¹	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene ³		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene ³		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene	FO 04/24/2024	0.061	3.4	1,2-Dibromomethane/Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene	FO 04/24/2024	0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042 ¹	1.4 ¹	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006 ¹	0.14 ¹	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056 ¹	1.4 ¹	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006 ¹	0.14 ¹	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056 ¹	1.4 ¹	2,6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP ¹	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028 ¹	1.4 ¹	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28

Form B1
Page 1 of 3

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13 ¹	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methanesulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056 ¹	1.4 ¹
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056 ¹	1.4 ¹
Di-n-octyl phthalate		0.017	28	Molinate		0.042 ¹	1.4 ¹
Di-n-propylnitrosamine		0.40	14	Naphthalene	FO 04/24/2024	0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine ³		0.92	13 ¹	o-Nitroaniline		0.27 ¹	14 ¹
Diphenylnitrosamine ³		0.92	13 ¹	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28 ¹	o-Nitrophenol		0.028 ¹	13 ¹
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3 ¹
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042 ¹	1.4 ¹	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056 ¹	0.28 ¹
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)	A	0.10	10
Ethyl methacrylate		0.14	160	Pebulate		0.042 ¹	1.4 ¹
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055 ¹	10 ¹
Famphur	FO 04/24/2024	0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs (All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056 ¹	1.4 ¹	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol		0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachlorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055 ¹	28 ¹
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride	FO 04/24/2024	0.055	28 ¹
Hexachloroethane		0.055	30	Physostigmine		0.056 ¹	1.4 ¹
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056 ¹	1.4 ¹
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056 ¹	1.4 ¹
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056 ¹	1.4 ¹
Isodrin		0.021	0.066	Propoxur		0.056 ¹	1.4 ¹
Isosafrole		0.081	2.6	Prosulfocarb		0.042 ¹	1.4 ¹
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l ¹	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056 ¹	1.4 ¹	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028 ¹	0.14 ¹	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4 ¹	Antimony		1.9	1.15 mg/l TCLP ⁴
Thiophanate-methyl		0.0561	1.4 ¹	Arsenic		1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium		1.2	21 mg/l TCLP ⁴
Triallate		0.042 ¹	1.4 ¹	Beryllium		0.82	0.014 mg/l TCLP
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP ⁴
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium		0.69	0.11 mg/l TCLP ⁴
1,1,1-Trichloroethane	FO 04/24/2024	0.054	6.0	Chromium (Total)		2.77	0.86 mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.60 mg/l TCLP ⁴
Trichloroethylene		0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)	FO 04/24/2024	0.86	30 ¹
2,4,5-Trichlorophenol		0.18	7.4	Fluoride		35	NA ⁴
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead		0.69	0.75 mg/l ⁴ TCLP
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)		0.15	0.025 mg/l TCLP
Triethylamine		0.081 ¹	1.5 ¹	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10 ¹	Nickel		3.98	11 mg/l TCLP ⁴
Vernolate		0.042 ¹	6.0 ¹	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP ⁵
Xylenes – mixed isomers (sum of o-, m-, and p-xylene)		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver		0.43	0.14 mg/l TCLP ⁴
				Sulfide		14	NA ²
	FO 04/24/2024			Thallium		1.4	0.078 mg/l TCLP ¹
				Thallium		1.4	0.20 mg/l TCLP ⁴
				Vanadium		4.3 ²	1.6 mg/l TCLP ²
				Zinc		2.61	4.3 mg/l TCLP ²

¹ These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

² Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

³ These compounds are regulated by the sum of their concentration instead of as individual constituents.

⁴ These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

⁵ Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number KY 8890008882	2. Page 1 of 2	3. Emergency Response Phone 1-270-441-8333	4. Manifest Tracking Number 025264749 JJK	
5. Generator's Name and Mailing Address Four Rivers Nuclear Partnership, LLC, (FRNP) For U.S. Department of Energy (DOE) 5511 Hobbs Road, Kevil, KY 42053 Generator's Phone:			Generator's Site Address (if different than mailing address) Four Rivers Nuclear Partnership (FRNP) for U.S. Department of Energy (DOE), 5511 Hobbs Rd, Kevil, KY 42053			
6. Transporter 1 Company Name Hittman Transport Services			U.S. EPA ID Number TNR000034888			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address EnergySolutions Clive Disposal Site-Treatment Facility US I-80 Exit 49, Clive, UT 84028 Facility's Phone: 1-435-884-0155			U.S. EPA ID Number UTD882598898			
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	RC	1. UN 2913, Radioactive Material, Surface Contaminated Objects (SCO-II), 7, (PCB), Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 214.7 MBq, Fissile Excepted	1 DM	230	K	
		2.				
		3.				
		4.				
14. Special Handling Instructions and Additional Information Truck: 3087 Trailer: W34139 TID: 00476192 Accumulation Start Date: N/A PCB Start Date: 3/19/2024 ERG # 162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator Exclusive Use Shipment, See PCB Attachment for Additional Info Shipment ID: 8750-80-0008						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Officer's Printed/Typed Name Pearl Webber		Signature Pearl Webber on behalf of FRNP		Month Day Year 2 12 25		
16. International Shipments	☐ Import to U.S. ☐ Export from U.S.		Port of entry/exit: Date leaving U.S.:			
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Timothy J Zelnuski Signature Month Day Year 12 12 25 Transporter 2 Printed/Typed Name Signature Month Day Year						
18. Discrepancy 18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection						
18b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number						
18c. Signature of Alternate Facility (or Generator) BY: Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. H132 2. 3. 4.						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Albert Evers Signature Month Day Year 3 3 25						

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 025264749JJK

Shipment ID Number: 9750-90-0008

Shipment Date: 2/27/2025

UHMW Section	RFD	Container / WASTE ID	Barcode	Description	PCB Date to Storage	NET VOLUME (#3)	GROSS WT (lb)	Gross Wt (Kg)	Net Wt (lb)	Net Wt (Kg)	Maximum Activity MBq
9b.1	130362	130362-02	PAD24C62192	PCB BALLASTS/CAPACITORS/TRANSFORMERS/ETC.	3/19/2024	7	568	258	508	230	214.7
TOTALS:						7	568	258	508	230	214.7

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number KY 8900008082	2. Page 1 of 2	3. Emergency Response Phone 1-270-441-6333	4. Manifest Tracking Number 025264754 JJK		
5. Generator's Name and Mailing Address Four Rivers Nuclear Partnership, LLC, (FRNP) For U.S. Department of Energy (DOE) 5511 Hobbs Road, Kevil, KY 42053			Generator's Site Address (if different than mailing address) Four Rivers Nuclear Partnership (FRNP) for U.S. Department of Energy (DOE), 5511 Hobbs Rd, Kevil, KY 42053				
6. Transporter 1 Company Name Hittman Transport Services			U.S. EPA ID Number TNR000034686				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address EnergySolutions Clive Disposal Site-Treatment Facility US I-80 Exit 48, Clive, UT 84029			U.S. EPA ID Number UTD982598898				
Facility's Phone: 1-435-884-0155							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. UN 2912, Radioactive material, low specific activity (LSA-I), 7, (PCB), Pu-238, Pu-239, Tc-99, Th-230, U-234, Solid/Oxide, 31.45 MBq, Flammable Excepted		3 DM		105	K	
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information Truck: 3067 Trailer: W34133 Accumulation Start Date: NA PCB Start Date: 4/16/2024 ERG #162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator Exclusive Use Shipment, See PCB Attachment for Additional Info Shipment ID: 7340-08-0037							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Officer's Printed/Typed Name Pearl Webber Signature Pearl Webber on behalf of FRNP Month Day Year 12 27 25							
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S.:							
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Timothy J Zebinski Signature Timothy J Zebinski Month Day Year 12 27 25 Transporter 2 Printed/Typed Name Signature Month Day Year							
18. Discrepancy 18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection 18b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. H132 2. BY: [Signature] 3. 4.							
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Arbert Ems Signature Arbert Ems Month Day Year 3 3 25							

Additional Information Attachment, Page 2 of 2

Manifest Number: 025264754JJK

Shipment ID Number: 7340-08-0037

Shipment Date: 2/27/2025

UHMW Section	RFD	Container / WASTE ID	Barcode	Description	Date to Storage	NET VOLUME (ft ³)	GROSS WT (lb)	Gross Wt (Kg)	NET WT (lb)	Net Wt (Kg)	Maximum Activity MBq
9b.1	122623	122623-16	PAD24C62701	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	4/16/2024	7.4	124	56	64	29	9.62
9b.1	122623	122623-17	PAD24C62702	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	5/9/2024	7.4	142	64	92	42	11.53
9b.1	122623	122623-18	PAD24C62677	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	8/20/2024	7.4	124	56	74	34	10.31
Totals			3			22.2	390	176	230	105	31.46

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number KY 8890008982	2. Page 1 of 2	3. Emergency Response Phone 1-270-441-6333	4. Manifest Tracking Number 025264768 JJK		
5. Generator's Name and Mailing Address Four Rivers Nuclear Partnership, LLC, (FRNP) For U.S. Department of Energy (DOE) 5511 Hobbs Road, Kevil, KY 42053 Generator's Phone: 270-441-5025			Generator's Site Address (if different than mailing address) Four Rivers Nuclear Partnership (FRNP) For U.S. Department of Energy (DOE), 5511 Hobbs Rd, Kevil, KY 42053				
6. Transporter 1 Company Name Hittman Transport Services			U.S. EPA ID Number TNR000034886				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address DSSI Site-Treatment Facility 657 Gallaher Road, Kingston, TN 37763 Facility's Phone: 615-305-9588			U.S. EPA ID Number TND982109142 R2 UTD8802588888 3-10-25				
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
			No.	Type			
	1. UN 3082, Environmentally hazardous substance, Liquid, n.o.s., (PCB), 9, PG III, (PCB)		1	DM	100	K	
	2.						
	3.						
4.							
14. Special Handling Instructions and Additional Information Truck: 3090 Trailer: W27090 TID: 00476182 Accumulation Start Date: N/A Shipment ID: DSSI-25-036 ERG #171 In the event of an RQ Release, call 1-800-424-8802 PCB Start Date: 04/25/24 See Attachment for Additional Info DSSI profile-25-02-008 If undeliverable, return to generator Shipment ID: 25-02-008 R2 3-11-25							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offoror's Printed/Typed Name Pearl Webber			Signature Pearl Webber on behalf of FRNP			Month Day Year 3 11 25	
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name Ray Stanley			Signature Ray Stanley			Month Day Year 3 11 25	
Transporter 2 Printed/Typed Name			Signature			Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection							
18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number _____ Facility's Phone: _____							
18c. Signature of Alternate Facility (or Generator) BY:  Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. H040		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name Tiffany Clark			Signature 			Month Day Year 3 12 25	

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Manifest Number: 025264768JJK

Shipment ID Number: DSSI-25-036

Shipment Date: 3/11/2025

UHWM Section	RFD	Container / WASTE ID	Barcode	Description	Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	NET WT (lb)	Net Wt (Kg)
9b.1	122622	122622-05	PAD24C62703	Vent Duct Oil and Water	4/25/2024	4.7	276	125	220	100
Totals				1		4.7	276	125	220	100

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number KY 8890008982	2. Page 1 of 1	3. Emergency Response Phone 1-270-441-6333	4. Manifest Tracking Number 025264777 JJK		
5. Generator's Name and Mailing Address Four Rivers Nuclear Partnership, LLC, (FRNP) For U.S. Department of Energy (DOE) 5511 Hobbs Road, Kevil, KY 42053		Generator's Site Address (if different than mailing address) Four Rivers Nuclear Partnership (FRNP) for U.S. Department of Energy (DOE), 5511 Hobbs Rd, Kevil, KY 42053					
6. Transporter 1 Company Name Hittman Transport Services		U.S. EPA ID Number TNR000034686					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address EnergySolutions Clive Disposal Site-Treatment Facility US I-80 Exit 48, Clive, UT 84029		U.S. EPA ID Number UTD982588898					
Facility's Phone: 1-435-884-0155							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	RQ	1. UN 2912, Radioactive material, low specific activity (LSA-I), 7, (PCB), Pu-238, Pu-239, Tc-99, Th-230, U-234, Solid/Oxide, 11.53 MBq, Fissile Excepted, Exclusive Use	1	DM	26	K	
	RQ	2. UN 3077, Environmentally hazardous substance, solid, n.o.s., (PCB), 9, PG III, (PCB)	1	DM	2	K	
		3.					
		4.					
14. Special Handling Instructions and Additional Information Truck: 528 Van: W90568 TID: 00476172 Accumulation Start Date: NA PR10106 PCB Start Date: 9/12/2024 ERG # 162, 171 In the event of an RQ Release, call 1-800-424-8802 See Additional Attachments for Additional Info If undeliverable, return to generator Shipment ID: 7340-08-0038							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Officer's Printed/Typed Name Blake Cleary on Behalf of FRNP		Signature Blake Cleary		Month Day Year 05/29/25			
16. International Shipments ☐ Import to U.S. ☐ Export from U.S.		Port of entry/exit: Date leaving U.S.:					
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name Thomas Sliker		Signature Thomas Sliker		Month Day Year 05/29/25			
Transporter 2 Printed/Typed Name		Signature		Month Day Year			
18. Discrepancy							
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection							
18b. Alternate Facility (or Generator) Manifest Reference Number: RECEIVED JUN 01 2025							
U.S. EPA ID Number							
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator) BY: [Signature] Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. H132		2. H132		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name Scott A. Gleason		Signature Scott A. Gleason		Month Day Year 06/02/25			

Additional Information Attachment, Page 2 of 2

Manifest Number: 025264777JJK

Shipment ID Number: 7340-08-0038

Shipment Date: 5/29/2025

UHM Section	RFD	Container / WASTE ID	Barcode	Description	Date to Storage	NET VOLUME (ft ³)	GROSS WT (lb)	Gross Wt (Kg)	NET WT (lb)	Net Wt (Kg)	Maximum Activity MBq
9b.1	122623	122623-19	PAD24C62749	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	9/12/2024	7.4	107	49	57	26	11.53
9b.2	130715	130715-01	PAD25C64273	PCB LIGHT BALLASTS, CAPACITORS, TRANSFORMERS, ETC.	5/8/2025	0.67	17	8	5	2	N/A
		Totals	2			8.07	124	57	62	28	11.53

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number KY 8890008882	2. Page 1 of 1	3. Emergency Response Phone 1-270-441-6333	4. Manifest Tracking Number 025264781 JJK	
5. Generator's Name and Mailing Address Four Rivers Nuclear Partnership, LLC. (FRNP) For U.S. Department of Energy (DOE) 897 Hobbs Rd., Kevil, KY 42053			Generator's Site Address (if different than mailing address) Four Rivers Nuclear Partnership (FRNP) for U.S. Department of Energy (DOE), 5511 Hobbs Rd., Kevil, KY 42053			
6. Transporter 1 Company Name Hittman Transport Services			U.S. EPA ID Number TNR000034688			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address EnergySolutions Clive Disposal Site-Treatment Facility US I-80 Exit 49, Clive, UT 84029 Facility's Phone: 1-435-884-0155			U.S. EPA ID Number UTD982598898			
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt/Vol.
	1.	UN 2913, Radioactive material, surface contaminated objects (SCO-II), 7, (PCB), Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 89.4 MBq, Flesle Excepted	1	DM	132	K
	2.					
	3.					
	4.					
13. Waste Codes						
14. Special Handling Instructions and Additional Information Truck: 528 Van: W50568 TID: 00476172 Accumulation Start Date: NA PM02197 PCB Start Date: 10/16/2024 ERG # 162 In the event of an RQ Release, call 1-800-424-8802 If undeliverable, return to generator Exclusive Use Shipment See Additional Attachments for Additional Info Shipment ID: 9750-90-0009						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Officer's Printed/Typed Name Blaine Cleary on behalf of FRNP			Signature Blaine Cleary		Month Day Year 05/29/25	
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:						
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Thomas W. Sliger Signature Thomas W. Sliger Month Day Year 5/29/25 Transporter 2 Printed/Typed Name Signature Month Day Year						
TRANSPORTER INT'L	18. Discrepancy					
	18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection					
	18b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number					
DESIGNATED FACILITY	Facility's Phone: 18c. Signature of Alternate Facility (or Generator) BY: Month Day Year					
	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)					
	1. H132	2.	3.	4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Scott A. Gleason Signature Scott A. Gleason Month Day Year 06/02/25						

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

Additional Information Attachment, Page 2 of 2

Manifest Number: 025264781JJK

Shipment ID Number: 9750-90-0009

Shipment Date: 5/29/2025

UHM Section	RFD	Container / WASTE ID	Barcode	Description	Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	NET WT (lb)	Net Wt (Kg)	Maximum Activity MBq
9b.1	130567	130567-01	PAD24C63057	PCB LIGHT BALLASTS, CAPACITORS, TRANSFORMERS, ETC.	10/16/2024	7	352	160	292	132	89.4
Totals			1			7	352	160	292	132	89.4

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number KY 8890008982	2. Page 1 of 2	3. Emergency Response Phone 1-270-441-8333	4. Manifest Tracking Number 025264782 JJK	
5. Generator's Name and Mailing Address Four Rivers Nuclear Partnership, LLC (FRNP) For U.S. Department of Energy (DOE) 5511 Hobbs Road, Kevil, KY 42053		Generator's Site Address (if different than mailing address) Four Rivers Nuclear Partnership (FRNP) for U.S. Department of Energy (DOE), 5511 Hobbs Rd, Kevil, KY 42053				
6. Transporter 1 Company Name Hittman Transport Services		U.S. EPA ID Number TNR000034686				
7. Transporter 2 Company Name		U.S. EPA ID Number				
8. Designated Facility Name and Site Address EnergySolutions Clive Disposal Site-Treatment Facility US I-80 Exit 49, Clive, UT 84029		U.S. EPA ID Number UTD982598888				
Facility's Phone: 1-435-884-0155						
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	RQ	1. UN 2912, Waste, Radioactive material, low specific activity (LSA-I), 7, (PCB, D008), Np-237, Tc-99, Th-230, U-234, Solid/Oxide, 12.56 MBq, Fissile Excepted, Exclusive Use	1 DM	13	K	D008 D007 D008
	RQ	2. NA 3077, Hazardous waste, solid, n.o.s., (Lead), 9, PG III, (D008)	1 DM	17	K	D008
Four Rivers Nuclear Partnership, LLC (FRNP) and the U.S. Department of Energy (DOE) are co-generators pursuant to a Co-Generator agreement dated September 19, 2017. Under this agreement, FRNP is responsible for performing all Resource Conservation and Recovery Act (RCRA) generator activities on behalf of both FRNP and DOE for all activities under the scope of FRNP's Contract DE-EM0004855, including, but not limited to, characterizing waste, manifesting waste to off-site facilities, packaging and labeling waste for transport, and storing and managing waste. In accordance with RCRA requirements, Transportation hereunder is for DOE and the actual total transportation charges paid are to be reimbursed by the Government pursuant to Contract DE-EM0004855.						
14. Special Handling Instructions and Additional Information Truck: 528 Van: W90568 TID: 00476172 Accumulation Start Date: 4/24/2025 PCB Start Date: 8/14/2024 ERG #162, 171 In the event of an RQ Release, call 1-800-424-8802 See Attachment for Additional Info If undeliverable, return to generator Shipment ID: 9750-01-0113						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Officer's Printed/Typed Name Blake Cleary on Behalf of FRNP Blake Cleary		Signature <i>Blake Cleary</i>		Month Day Year 05 29 25		
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:						
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Thomas W. Sliger Signature <i>Thomas W. Sliger</i> Month Day Year 5 29 25 Transporter 2 Printed/Typed Name Signature Month Day Year						
18. Discrepancy 18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection RECEIVED JUN 01 2025 Manifest Reference Number: BY: <i>[Signature]</i> U.S. EPA ID Number						
18b. Alternate Facility (or Generator) Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. H132 2. H132 3. 4.						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Albert Evans Signature <i>Albert Evans</i> Month Day Year 6 2 25						

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Additional Information Attachment, Page 2 of 2

Manifest Number: 025264782JJK

Shipment ID Number: 9750-01-0113

Shipment Date: 5/29/2025

UHMW Section	RFD	Container / WASTE ID	Barcode	Description	Accumulation Date	Date to Storage	NET VOLUME (R3)	GROSS WT (lb)	Gross Wt (Kg)	NET WT (lb)	Net Wt (Kg)	Maximum Activity MBq
9b.1	130116	130116-05	PAD24C62700	PCB SOLIDS WITH CADMIUM, CHROMIUM, AND LEAD	4/24/2025	8/14/2024	7.4	79	36	29	13	12.56
9b.2	130693	130693-01	PAD25C64506	OLD PAINT LEFT OVER FROM WORK IN THE C-333 PENTHOUSE. PAINT IS A SOLID	05/05/25	N/A	3	70	32	37	17	N/A
		Totals	2				10.4	149	68	66	30	12.56

LAND DISPOSAL NOTIFICATION AND CERTIFICATION

Generator Name: Four Rivers Nuclear Partnership Manifest Doc. No.: 005264782 JYU
Profile No.: 9750-01-0113 State Manifest No.: NA

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

REF #	3. US EPA HAZARDOUS WASTE CODE(S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D006	CADMIUM (TCLP)	☐	A
2	D007	CHROMIUM (TCLP)	☐	A
3	D008	LEAD (TCLP)	☐	A
4		FO 05/11/2025	☐	

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☐

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

To list additional USEPA waste code(s) and subcategory(s), use the supplemental sheet provided (Form A2) and check here: ☐

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

A. RESTRICTED WASTE REQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.

☒ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS

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

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS

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

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS

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

C. RESTRICTED WASTE SUBJECT TO A VARIANCE

This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.

☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS

This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

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

FRANKLIN OVERBY

Digitally signed by FRANKLIN OVERBY

Signature (Affiliate)

(Affiliate)

Date: 2025.05.11 15:11:11 -05'00'

Title

WASTE ENGINEER

Date

05/10/2025

LAND DISPOSAL NOTIFICATION AND CERTIFICATION (PHASE IV)

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent **MUST** be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS²					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard¹		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard¹	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP) ³
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP) ³	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP) ³	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromonofluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

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

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

³ These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE**D001:**

- A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.
- B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.
- C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

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

LAND DISPOSAL NOTIFICATION AND CERTIFICATION (PHASE IV)

Generator Name: Four Rivers Nuclear Partnership

Manifest Doc. No. :

005264782JH

Profile No.:

9750-01-0113

State Manifest No.:

NA

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

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

REF #	3. US EPA HAZARDOUS WASTE CODE(S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
5			☐	
6			☐	
7			☐	
8			☐	
9			☐	
10			☐	
11			☐	
12			☐	
13			☐	
14			☐	
15			☐	
16			☐	
17			☐	
18			☐	
19			☐	
20			☐	
21		FO	☐	
22		05/11/2025	☐	
23			☐	
24			☐	
25			☐	
26			☐	
27			☐	
28			☐	
29			☐	
30			☐	
31			☐	
32			☐	
33			☐	
34			☐	
35			☐	

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

Signature FRANKLIN OVERBY (Affiliate)

Digitally signed by FRANKLIN OVERBY (Affiliate)
Date: 2025.05.11 15:12:18 -05'00'

Title WASTE ENGINEER

Date 05/10/2025

Form A2
Page 1 of 2

LAND DISPOSAL NOTIFICATION AND CERTIFICATION (PHASE IV)

Generator Name: Four Rivers Nuclear Partnership

Manifest Doc. No. :

025264782JH

Profile No.:

9750-01-0113

State Manifest No.:

N/A

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

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

REF #	3. US EPA HAZARDOUS WASTE CODE(S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
36			☐	
37			☐	
38			☐	
39			☐	
40			☐	
41			☐	
42			☐	
43			☐	
44			☐	
45			☐	
46			☐	
47			☐	
48			☐	
49			☐	
50			☐	
51		FO	☐	
52		05/11/2025	☐	
53			☐	
54			☐	
55			☐	
56			☐	
57			☐	
58			☐	
59			☐	
60			☐	
61			☐	
62			☐	
63			☐	
64			☐	
65			☐	

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

Signature FRANKLIN OVERBY (Affiliate)

Digitally signed by FRANKLIN OVERBY (Affiliate)
Date: 2025.05.11 15:13:14 -05'00'

Title WASTE ENGINEER

Date 05/10/2025

Form A2
Page 2 of 2

F039/UNDERLYING HAZARDOUS CONSTITUENT (UTS) (Phase IV)Generator Name: Four Rivers Nuclear PartnershipManifest Doc. No. : 025264782 JIUProfile No.: 9750-01-0113State Manifest No.: NA

If D001-D043 requires treatment to the 40 CFR 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28 ¹
Acenaphthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38 ¹	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19 ¹	23 ¹	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062 ¹	NA ¹
Aldicarb sulfone		0.056 ¹	0.28 ¹	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol		0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol		0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol		0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056 ¹	1.4 ¹
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l ¹
Barban		0.056 ¹	1.4 ¹	o,p'-DDD		0.023	0.087
Bendiocarb		0.056 ¹	1.4 ¹	p,p'-DDD		0.023	0.087
Benomyl		0.056 ¹	1.4 ¹	o,p'-DDE		0.031	0.087
Benzene	FO	0.14	10	p,p'-DDE	FO	0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride	05/11/2025	0.055 ¹	6.0 ¹	p,p'-DDT	05/11/2025	0.0039	0.087
Benzo(b)fluoranthene ³		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene ³		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo(g,h,i)perylene		0.0055	1.8	1,2-Dibromo-3-chloropropane		0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042 ¹	1.4 ¹	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006 ¹	0.14 ¹	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056 ¹	1.4 ¹	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006 ¹	0.14 ¹	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056 ¹	1.4 ¹	2,6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP ¹	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028 ¹	1.4 ¹	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28

Form B1
Page 1 of 3

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13 ¹	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056 ¹	1.4 ¹
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056 ¹	1.4 ¹
Di-n-octyl phthalate		0.017	28	Molinate		0.042 ¹	1.4 ¹
Di-n-propyl nitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine ³		0.92	13 ¹	o-Nitroaniline		0.27 ¹	14 ¹
Diphenyl nitrosamine ³		0.92	13 ¹	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28 ¹	o-Nitrophenol		0.028 ¹	13 ¹
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3 ¹
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042 ¹	1.4 ¹	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056 ¹	0.28 ¹
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate	FO	0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)	FO	0.10	10
Ethyl methacrylate	05/11/2025	0.14	160	Pebulate	05/11/2025	0.042 ¹	1.4 ¹
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055 ¹	10 ¹
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs (All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056 ¹	1.4 ¹	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol		0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachlorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055 ¹	28 ¹
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28 ¹
Hexachloroethane		0.055	30	Physostigmine		0.056 ¹	1.4 ¹
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056 ¹	1.4 ¹
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056 ¹	1.4 ¹
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056 ¹	1.4 ¹
Isodrin		0.021	0.066	Propoxur		0.056 ¹	1.4 ¹
Isosafrole		0.081	2.6	Prosulfocarb		0.042 ¹	1.4 ¹
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l ¹	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056 ¹	1.4 ¹	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028 ¹	0.14 ¹	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4 ¹	Antimony		1.9	1.15 mg/l TCLP ⁴
Thiophanate-methyl		0.0561	1.4 ¹	Arsenic		1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium		1.2	21 mg/l TCLP ⁴
Triallate		0.042 ¹	1.4 ¹	Beryllium		0.82	0.014 mg/l TCLP
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP ⁴
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium		0.69	0.11 mg/l TCLP ⁴
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86 mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.60 mg/l TCLP ⁴
Trichloroethylene	FO	0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane	05/11/2025	0.020	30	Cyanides (Amenable)		0.86	30 ¹
2,4,5-Trichlorophenol		0.18	7.4	Fluoride	FO	35	NA ⁴
2,4,6-Trichlorophenol		0.035	7.4	Lead	05/11/2025	0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead		0.69	0.75 mg/l ⁴ TCLP
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)		0.15	0.025 mg/l TCLP
Triethylamine		0.081 ¹	1.5 ¹	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10 ¹	Nickel		3.98	11 mg/l TCLP ⁴
Vernolate		0.042 ¹	6.0 ¹	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP ⁵
Xylenes – mixed isomers (sum of o-, m-, and p-xylene)		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver		0.43	0.14 mg/l TCLP ⁴
				Sulfide		14	NA ²
				Thallium		1.4	0.078 mg/l TCLP ¹
				Thallium		1.4	0.20 mg/l TCLP ⁴
				Vanadium		4.3 ²	1.6 mg/l TCLP ²
				Zinc		2.61	4.3 mg/l TCLP ²

¹ These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

² Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

³ These compounds are regulated by the sum of their concentration instead of as individual constituents.

⁴ These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

⁵ Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

Four Rivers Nuclear Partnership, LLC (FRNP) and the U.S. Department of Energy (DOE) are co-generators pursuant to a Co-Generator agreement dated September 13, 2017. Under this agreement, FRNP is responsible for performing all Resource Conservation and Recovery Act (RCRA) generator activities on behalf of both FRNP and DOE for all activities under the scope of FRNP's Contract DE-EM0004895, including, but not limited to, characterizing waste, manifesting waste to off-site facilities, packaging and labeling waste for transport, and storing and managing waste, in accordance with RCRA requirements. Transportation hereunder is for DOE and the actual total transportation charges paid are to be reimbursed by the Government pursuant to Contract DE-EM0004895.

o. 2050-0039

Please

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number KY 8890008982	2. Page 1 of 2	3. Emergency Response Phone 1-210-441-0333	4. Manifest Tracking Number 025264785 JJK	
5. Generator's Name and Mailing Address Four Rivers Nuclear Partnership, LLC, (FRNP) for the U.S. Department of Energy 5511 Hobbs Road, Kevil, KY 42053 Generator's Phone:		Generator's Site Address (if different than mailing address) FRNP for the U.S. Department of Energy Paducah Gaseous Diffusion Plant, 5511 Hobbs Rd, Kevil, KY 42053				
6. Transporter 1 Company Name Specialty Transport Inc		U.S. EPA ID Number TNR000011247				
7. Transporter 2 Company Name		U.S. EPA ID Number				
8. Designated Facility Name and Site Address Diversified Scientific Services, Inc. (DSSI) 657 Gallaher Rd, Kingston, TN 37763 Facility's Phone: 1-865-376-8747		U.S. EPA ID Number TND982109142				
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. UN 1993, Waste, Flammable liquid, n.o.s. (Adhesive, Petroleum), 3, III, (D001) (25-05-008)	1	DM	57	K	D001
X	2. UN 1780, Waste, Corrosive liquid, n.o.s. (Ethanolamine, Sodium Hydroxide), 8, II (25-05-010)	1	DM	20	K	D002
X	3. UN 1780, Waste, Corrosive liquid, n.o.s. (Sulfuric acid, Benzyl alcohol), 8, II (25-05-010)	1	DM	21	K	D002
X	4. UN 3082, Environmentally hazardous substance, liquid, n.o.s. (Ethylene Glycol, Diethylene Glycol), 9, III (25-05-005)	1	DM	34	K	
14. Special Handling Instructions and Additional Information ERG # 123, 154 In the event of an RQ Release, call 1-800-424-8802 See PCB and Additional Info Attachment Accumulation Start Date: 4/29/2025 PCB Date to Storage: N/A If undeliverable, return to generator Shipment ID: DSSI-25-072						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Officer's Printed/Typed Name Michelle Telfer on behalf of FRNP		Signature [Signature]		Month Day Year 5 28 25		
16. International Shipments ☐ Import to U.S. ☐ Export from U.S.		Port of entry/exit: Date leaving U.S.:				
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Kurt Forster Signature [Signature] Month Day Year 05 28 25 Transporter 2 Printed/Typed Name Signature Month Day Year						
18. Discrepancy 18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) Facility's Phone: 18c. Signature of Alternate Facility (or Generator) BY: [Signature] Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. H040 2. H110 (DEACT) 3. H110 (DEACT) 4.						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Tiffany Clark Signature [Signature] Month Day Year 5 29 25						

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

EPA Form 8700-22A (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA'S e-MANIFEST SYSTEM

PCB and Additional Information Attachment, Page 3 of 3

Manifest Number: 025264785 JJK

Shipment ID Number: DSSI-25-072

Shipment Date: 5/28/2025

UHWB Section	RFD	Container / WASTE ID	Barcode	Description	PCB Date to Storage	Accumulation Start Date	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	NET WT (lb)	Net Wt (Kg)
9b.1	130695	130695-01	PAD25C64264	Class 3 lab-pack of used chemicals	N/A	4/29/2025	7	175	79	125	57
9b.2	130695	130695-03	PAD25C64266	Class 8 lab-pack of used chemicals	N/A	4/29/2025	7	93	42	43	20
9b.3	130695	130695-04	PAD25C64267	Class 8 lab-pack of used chemicals	N/A	4/29/2025	3	77	35	47	21
9b.4	130695	130695-05	PAD25C64268	Class 9 lab-pack of used chemicals	N/A	N/A	7	126	57	76	34
27a.1	130335	130335-01	PAD24C62101	DRAINED KINNEY PUMP OIL, SMALL VACUUM PUMP OIL, AND MISC LUBE OIL.	N/A	4/30/2025	2.8	159	72	109	49
27a.1	130335	130335-02	PAD25C64078	DRAINED KINNEY PUMP OIL, SMALL VACUUM PUMP OIL, AND MISC LUBE OIL.	N/A	4/30/2025	0.6	80	36	40	18
27a.2	130659	130659-01	PAD25C64021	LUBE OIL FROM C-333 REGRIGERATION PUMP HOLDING TANK/VENDOR DRUM	N/A	03/31/25	5.3	483	219	417	189
27a.3	122621	122621-03	PAD24C62950	LUBE OIL/PCB RINSEATE COLLECTED FROM SITE GLASSES FROM TRANSFORMER DRAINING	7/1/2024	4/16/2025	0.96	96	44	56	25
27a.4	130528	130528-01	PAD24C63351	USED OIL FROM MOBILE EQUIPMENT	NA	8/20/2024	6.7	333	151	273	124
27a.5	130321	130321-01	PAD24C62527	MAKO BREATHING AIR COMPRESSOR CONDENSATE WATER WITH A OILY SHEEN	NA	8/20/2024	4	269	122	236	107
27a.6	130502	130502-01	PAD24C62906	USED OIL FROM MOBILE EQUIPMENT	NA	6/13/2024	7.4	394	179	344	156
27a.7	130694	130694-02	PAD25C64260	USED NON-REGULATED CHEMICALS	NA	NA	7	227	103	177	80
27a.7	130694	130694-03	PAD25C64261	USED NON-REGULATED CHEMICALS	NA	NA	7	220	100	193	88
27a.7	130694	130694-04	PAD25C64262	USED NON-REGULATED CHEMICALS	NA	NA	7	504	229	477	216
27a.7	130694	130694-05	PAD25C64263	USED NON-REGULATED CHEMICALS	NA	NA	7	103	47	53	24
27a.7	130694	130694-06	PAD25C64270	USED NON-REGULATED CHEMICALS	NA	NA	7	135	61	85	39
27a.7	130694	130694-07	PAD25C64271	USED NON-REGULATED CHEMICALS	NA	NA	3.6	65	29	35	16
		Totals	17				90.36	3539	1605	2786	1264

LAND DISPOSAL NOTIFICATION AND CERTIFICATION

Generator Name: Four Rivers Nuclear Partnership Manifest Doc. No.: 025264785 JJK
 Profile No.: 25-05-057 State Manifest No.: NA

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

REF #	3. US EPA HAZARDOUS WASTE CODE(S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D018	BENZENE (TCLP)	☐	A
2	D021	CHLOROBENZENE (TCLP)	☐	A
3	D027	1,4-DICHLOROBENZENE (TCLP)	☐	A
4	D032	HEXACHLOROBENZENE (TCLP)	☐	A

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here ☒

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

To list additional USEPA waste code(s) and subcategory(s), use the supplemental sheet provided (Form A2) and check here: ☐

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

A. RESTRICTED WASTE REQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40.

☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS

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

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS

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

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS

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

C. RESTRICTED WASTE SUBJECT TO A VARIANCE

This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.

☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS

This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

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

Signature MARY STAHR (Affiliate) Digitally signed by MARY STAHR (Affiliate)
Date: 2025.04.24 07:42:36 -05'00' Title WASTE ENGINEER Date _____

122621-03

LAND DISPOSAL NOTIFICATION AND CERTIFICATION (PHASE IV)

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS ²					
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard ¹		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard ¹	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP) ³
Benzene (F005)	0.14	10	Methylene chloride (F001, F002)	0.089	30
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl ethyl ketone (F005)	0.28	36
Carbon disulfide (F005)	3.8	4.8 (TCLP) ³	Methyl isobutyl ketone (F003)	0.14	33
Carbon tetrachloride (F001)	0.057	6.0	Nitrobenzene (F004)	0.068	14
Chlorobenzene (F002)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) followed by CARBN}	INCIN
o-Cresol (F004)	0.11	5.6	Pyridine (F005)	0.014	16
Cresol (m- and p- isomers) (F004)	0.77	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cyclohexanone (F003)	0.36	0.75 (TCLP) ³	Toluene (F005)	0.080	10
o-Dichlorobenzene (F002)	0.088	6.0	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN or BIODG	INCIN	1,1,2-Trichloroethane (F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl benzene (F003)	0.057	10	Trichloromono-fluoromethane (F002)	0.020	30
Ethyl ether (F003)	0.12	160	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170	Xylenes (sum of o-, m-, and p-isomers) (F003)	0.32	30

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

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

³ These solvents require a TCLP standard with units of mg/l.

SUBCATEGORY REFERENCE

D001:

- A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.
- B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a) (1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.
- C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a) (1) – Greater than or equal to 10% total organic carbon.

D002:

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

122621-03

LAND DISPOSAL NOTIFICATION AND CERTIFICATION (PHASE IV)

Generator Name: Four Rivers Nuclear Partnership Manifest Doc. No.: 0252647855JKProfile No.: 25-05-007 State Manifest No.: NA

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

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

REF #	3. US EPA HAZARDOUS WASTE CODE(S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
5			☐	
6			☐	
7			☐	
8			☐	
9			☐	
10			☐	
11			☐	
12			☐	
13			☐	
14			☐	
15			☐	
16			☐	
17			☐	
18			☐	
19			☐	
20			☐	
21			☐	
22		SS 04/24/2025	☐	
23			☐	
24			☐	
25			☐	
26			☐	
27			☐	
28			☐	
29			☐	
30			☐	
31			☐	
32			☐	
33			☐	
34			☐	
35			☐	

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

Signature MARY STAHR (Affiliate)Digitally signed by MARY STAHR (Affiliate)
Date: 2025.04.24 07:41:32 -05'00'Title WASTE ENGINEER

Date _____

122621-03

LAND DISPOSAL NOTIFICATION AND CERTIFICATION (PHASE IV)

Generator Name: Four Rivers Nuclear Partnership

Manifest Doc. No. :

025264785 JJK

Profile No.:

25-05-007

State Manifest No.:

NA

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

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

REF #	3. US EPA HAZARDOUS WASTE CODE(S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM FORM A1, PAGE 1
		DESCRIPTION	NONE	
36			☐	
37			☐	
38			☐	
39			☐	
40			☐	
41			☐	
42			☐	
43			☐	
44			☐	
45			☐	
46			☐	
47			☐	
48			☐	
49			☐	
50			☐	
51			☐	
52			☐	
53		SS 04/24/2025	☐	
54			☐	
55			☐	
56			☐	
57			☐	
58			☐	
59			☐	
60			☐	
61			☐	
62			☐	
63			☐	
64			☐	
65			☐	

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

Signature MARY STAHR (Affiliate)

Digitally signed by MARY STAHR (Affiliate)
Date: 2025.04.24 07:40:35 -05'00'

Title WASTE ENGINEER

Date

122621-03 F039/UNDERLYING HAZARDOUS CONSTITUENT (UTS) (Phase IV)

Generator Name: Four Rivers Nuclear Partnership

Manifest Doc. No. :

0252647853JL

Profile No.:

25-05-007

State Manifest No.:

NA

If D001-D043 requires treatment to the 40 CFR 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (A1, B1, B2, B3, or C that corresponds to the letter on the land disposal form A1) beside each constituent present to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to 40 CFR 268.49 standards, then each UHC in the waste at the point of generation and at a level above 10 times the UTS must be listed. Write the appropriate letter which corresponds to the letter on the LDR form.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28 ¹
Acenaphthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38 ¹	bis(2-Chloroethoxy)methane		0.036	7.2
Acetophenone		0.010	9.7	bis(2-Chloroethyl)ether		0.033	6.0
2-Acetylaminofluorene		0.059	140	Chloroform		0.046	6.0
Acrolein		0.29	NA	bis(2-Chloroisopropyl)ether		0.055	7.2
Acylamide		19 ¹	23 ¹	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062 ¹	NA ¹
Aldicarb sulfone		0.056 ¹	0.28 ¹	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	5.6
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.044	5.7
Aniline		0.81	14	3-Chloropropylene		0.036	30
Anthracene		0.059	3.4	Chrysene		0.059	3.4
Aramite		0.36	NA	o-Cresol		0.11	5.6
alpha-(BHC)		0.00014	0.066	m-Cresol		0.77	5.6
beta-(BHC)		0.00014	0.066	p-Cresol		0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.056 ¹	1.4 ¹
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l ¹
Barban		0.056 ¹	1.4 ¹	o,p'-DDD		0.023	0.087
Bendiocarb		0.056 ¹	1.4 ¹	p,p'-DDD		0.023	0.087
Benomyl		0.056 ¹	1.4 ¹	o,p'-DDE		0.031	0.087
Benzene		0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.0039	0.087
Benzal chloride		0.055 ¹	6.0 ¹	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene ³		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene ³		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (g,h,i)perylene	SS 04/24/2025	0.0055	1.8	1,2-Dibromo-3-chloropropane	SS 04/24/2025	0.11	15
Benzo(a)pyrene		0.061	3.4	1,2-Dibromomethane/Ethylene dibromide		0.028	15
Bromodichloromethane		0.35	15	Dibromomethane		0.11	15
Bromomethane/Methyl Bromide		0.11	15	m-Dichlorobenzene		0.036	6.0
4-Bromophenyl phenyl ether		0.055	15	o-Dichlorobenzene		0.088	6.0
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.090	6.0
Butylate		0.042 ¹	1.4 ¹	Dichlorodifluoromethane		0.23	7.2
Butyl benzyl phthalate		0.017	28	1,1-Dichloroethane		0.059	6.0
2-sec-Butyl-4,6-dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006 ¹	0.14 ¹	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056 ¹	1.4 ¹	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006 ¹	0.14 ¹	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056 ¹	1.4 ¹	2,6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP ¹	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan		0.028 ¹	1.4 ¹	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)		0.0033	0.26	trans-1,3-Dichloropropylene		0.036	18
p-Chloroaniline		0.46	16	Dieldrin		0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28

Form B1
Page 1 of 3

122624-03

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Chlorobenzilate		0.10	NA	p-Dimethylaminoazobenzene		0.13 ¹	NA
2,4-Dimethyl phenol		0.036	14	Methylene chloride		0.089	30
Dimethyl phthalate		0.047	28	Methyl ethyl ketone		0.28	36
Di-n-butyl phthalate		0.057	28	Methyl isobutyl ketone		0.14	33
1,4-Dinitrobenzene		0.32	2.3	Methyl methacrylate		0.14	160
4,6-Dinitro-o-cresol		0.28	160	Methyl methansulfonate		0.018	NA
2,4-Dinitrophenol		0.12	160	Methyl parathion		0.014	4.6
2,4-Dinitrotoluene		0.32	140	Metolcarb		0.056 ¹	1.4 ¹
2,6-Dinitrotoluene		0.55	28	Mexacarbate		0.056 ¹	1.4 ¹
Di-n-octyl phthalate		0.017	28	Molinate		0.042 ¹	1.4 ¹
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine ³		0.92	13 ¹	o-Nitroaniline		0.27 ¹	14 ¹
Diphenylnitrosamine ³		0.92	13 ¹	p-Nitroaniline		0.028	28
1,2-Diphenylhydrazine		0.087	NA	Nitrobenzene		0.068	14
Disulfoton		0.017	6.2	5-Nitro-o-toluidine		0.32	28
Dithiocarbamates (total)		0.028	28 ¹	o-Nitrophenol		0.028 ¹	13 ¹
Endosulfan I		0.023	0.066	p-Nitrophenol		0.12	29
Endosulfan II		0.029	0.13	N-Nitrosodiethylamine		0.40	28
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	2.3 ¹
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehyde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042 ¹	1.4 ¹	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosopiperidine		0.013	35
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.056 ¹	0.28 ¹
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB isomers or all Aroclors)	A	0.10	10
Ethyl methacrylate	SS 04/24/2025	0.14	160	Pebulate		0.042 ¹	1.4 ¹
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.055 ¹	10 ¹
Famphur		0.017	15	PeCDDs (All Pentachlorodibenzo-p-dioxins)		0.000035	0.001
Fluoranthene		0.068	3.4	PeCDFs(All Pentachlorodibenzofurans)		0.000035	0.001
Fluorene		0.059	3.4	Pentachloroethane		0.055	6.0
Formetanate hydrochloride		0.056 ¹	1.4 ¹	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol		0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachlorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055 ¹	28 ¹
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28 ¹
Hexachloroethane		0.055	30	Physostigmine		0.056 ¹	1.4 ¹
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.056 ¹	1.4 ¹
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056 ¹	1.4 ¹
Iodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056 ¹	1.4 ¹
Isodrin		0.021	0.066	Propoxur		0.056 ¹	1.4 ¹
Isosafrole		0.081	2.6	Prosulfocarb		0.042 ¹	1.4 ¹
Kepone		0.0011	0.13	Pyrene		0.067	8.2
Methacrylonitrile		0.24	84	Pyridine		0.014	16
Methanol		5.6	0.75 mg/l ¹	Safrole		0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.056 ¹	1.4 ¹	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028 ¹	0.14 ¹	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor		0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)		0.000063	0.001
3-Methylcholanthrene		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2-chloroaniline)		0.50	30	1,1,2,2-Tetrachloroethane		0.057	6.0

122621-03

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted
Tetrachloroethylene		0.056	6.0	INORGANIC CONSTITUENTS			
2,3,4,6-Tetrachlorophenol		0.030	7.4	Antimony		1.9	2.1 mg/l TCLP
Thiodicarb		0.0191	1.4 ¹	Antimony		1.9	1.15 mg/l TCLP ⁴
Thiophanate-methyl		0.0561	1.4 ¹	Arsenic		1.4	5.0 mg/l TCLP
Toluene		0.080	10	Barium		1.2	7.6 mg/l TCLP
Toxaphene		0.0095	2.6	Barium		1.2	21 mg/l TCLP ⁴
Triallate		0.042 ¹	1.4 ¹	Beryllium		0.82	0.014 mg/l TCLP
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP ⁴
2,4,6-Tribromophenol		0.035	7.4	Cadmium		0.69	0.19 mg/l TCLP
1,2,4-Trichlorobenzene		0.055	19	Cadmium		0.69	0.11 mg/l TCLP ⁴
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86 mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.60 mg/l TCLP ⁴
Trichloroethylene	SS 04/24/2025	0.054	6.0	Cyanides (Total)	SS 04/24/2025	1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30 ¹
2,4,5-Trichlorophenol		0.18	7.4	Fluoride		35	NA ⁴
2,4,6-Trichlorophenol		0.035	7.4	Lead		0.69	0.37 mg/l
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T		0.72	7.9	Lead		0.69	0.75 mg/l ⁴ TCLP
1,2,3-Trichloropropane		0.85	30	Mercury (Nonwastewater from Retort)		NA	0.20 mg/l TCLP
1,1,2-Trichloro-1,2,2-trifluoroethane		0.057	30	Mercury (All others)		0.15	0.025 mg/l TCLP
Triethylamine		0.081 ¹	1.5 ¹	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3-Dibromopropyl)phosphate		0.11	0.10 ¹	Nickel		3.98	11 mg/l TCLP ⁴
Vernolate		0.042 ¹	6.0 ¹	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP ⁵
Xylenes – mixed isomers (sum of o-, m-, and p-xylene)		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver		0.43	0.14 mg/l TCLP ⁴
				Sulfide		14	NA ²
	SS 04/24/2025			Thallium		1.4	0.078 mg/l TCLP ¹
				Thallium		1.4	0.20 mg/l TCLP ⁴
				Vanadium		4.3 ²	1.6 mg/l TCLP ²
				Zinc		2.61	4.3 mg/l TCLP ²

¹ These constituents are only applicable as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes.

² Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

³ These compounds are regulated by the sum of their concentration instead of as individual constituents.

⁴ These constituents are effective in authorized states or states with no LDR program on 8/24/99. These concentrations are effective in all other states upon adoption by the state.

⁵ Effective 8/24/98 in unauthorized states or states with no LDR program. Selenium at 5.7 mg/l is not an underlying hazardous constituent in D001-D043 waste. This becomes effective in authorized states upon adoption by the state.

Please print or type.

Form Approved, OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number KY 8890008882	2. Page 1 of 2	3. Emergency Response Phone 1-270-441-6333	4. Manifest Tracking Number 025264812 JJK	
5. Generator's Name and Mailing Address Four Rivers Nuclear Partnership, LLC, (FRNP) For U.S. Department of Energy (DOE) 5511 Hobbs Road, Kevil, KY 42053			Generator's Site Address (if different than mailing address) Four Rivers Nuclear Partnership (FRNP) for U.S. Department of Energy (DOE), 5511 Hobbs Rd, Kevil, KY 42053			
Generator's Phone: 1-435-884-0155						
6. Transporter 1 Company Name Hobbs Transport Services			U.S. EPA ID Number TNRC00094688			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address Energy Solutions Clive Disposal Bulk Waste Facility US I-80 Exit 49, Clive, UT 84020			U.S. EPA ID Number UTD88259888			
Facility's Phone: 1-435-884-0155						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
1.	UN 2812, Radioactive material, low specific activity (LSA-I), 7, (PCB), Pu-238, Pu-239, Th-230, U-234, Solid/Oxide, 2.18 MBq, Flammable Excepted	1	DM	15	K	
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information ERG #102 In the event of an RC Release, call 1-800-424-8802 Exclusive Use Shipment, See PCB Attachment for Additional Info						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offeror's Printed/Typed Name Pearl Webber						
Signature Pearl Webber on behalf of FRNP 9/4/25						
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:						
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name JAMES E. SMITH Signature Transporter 2 Printed/Typed Name Signature						
18. Discrepancy 18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection						
18b. Alternate Facility (or Generator) Facility's Phone: Manifest Reference Number: U.S. EPA ID Number						
18c. Signature of Alternate Facility (or Generator) Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, storage, and recycling systems)						
1. H132 2. 3. 4.						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Albert Euns Signature Albert Euns 9/8/25						

PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 025264812JJK

Shipment ID Number: 7340-08-0039

Shipment Date: 9/4/2025

UHMW Section	RFD	Container / WASTE ID	Barcode	Description	Date to Storage	NET VOLUME (ft ³)	GROSS WT (lb)	Gross Wt (Kg)	NET WT (lb)	Net Wt (Kg)	Maximum Activity MBq
9b.1	122623	122623-20	PAD24C62748	PCB SPILL CLEANUP DEBRIS/ ENCAPSULATION WASTE	12/16/2024	7.4	82	36	32	15	2.18
Totals			1			7.4	82	36	32	15	2.18

APPENDIX B

PCB WASTE CERTIFICATES OF DISPOSAL

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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:

<u>Shipment</u>	<u>UHWM #</u>	<u>Disposal Date</u>	<u>Gross Volume (Cu/Ft)</u>	<u>Net Volume (Cu/Ft)</u>	<u>Process</u>	<u>Disposal Location</u>
9750-09-0039	64634	02/11/2025	30.0	21.6	Landfill	Mixed Waste
9750-09-0041	64704	02/11/2025	7.5	6.7	Landfill	Mixed Waste

RECEIVED
FEB 20 2025
BY: DA

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.

Brennon Dick

Digitally signed by Brennon Dick
Date: 2025.02.14 13:40:21 -07'00'
Adobe Acrobat version: 2024.005.20399

Brennon Dick
Operations Manager

Date

EPA ID # TND982109142
657 Gallaher Rd, Kingston, TN

PermaFix®

environmental services

Experience You Can Trust



COD Number: TSDSSI-24-129-20250227

Certificate of Disposal

Diversified Scientific Services, Inc. of Kingston, Tennessee is providing this certificate to confirm the disposal of TSCA Regulated PCB waste by Alternate Thermal Treatment.

Hereby certifies such destruction on: 2/27/2025

Attached list of containers from Receipt Number DSSI-24-129

Received on Radioactive or Hazardous Waste Manifest Number 025264719JJK

Generator Name US Dept of Energy - Four Rivers (formerly Fluor Federal Services, Inc.)

EPA ID No. KY8890008982

Address 5511 Hobbs Road

Contact Kevil, KY 42053-
Chelle Telfiar

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: Tiffany Clark
Title: Waste Tracking Representative

RECEIVED
MAR 19 2025
BY:

Signature: Tiffany Clark
Digitally signed by Tiffany Clark
Date: 2025.03.05 07:33:14 -05'00'

Certificate of Disposal

TSDSSI-24-129-20250227

Receipt Number	Rad/Haz Manifest Number	PF Profile Number	PF Package Number	Customer Package Number	Burn Campaign Number	Date Processed	Waste Description	Date Received
DSSI-24-129	025264719JJJ	24-11-015	89040	130099-02	25-001	2/27/2025	Bulk Liquid - PCBs	12/17/2024

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:

<u>Shipment</u>	<u>UHMW #</u>	<u>Disposal Date</u>	<u>Gross Volume (Cu/Ft)</u>	<u>Net Volume (Cu/Ft)</u>	<u>Process</u>	<u>Disposal Location</u>
9750-01-0109	64720	02/27/2025	7.5	7.4	Landfill	Mixed Waste

RECEIVED
MAR 21 2025
BY: 

The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Brennon Dick

Digitally signed by Brennon Dick
Date: 2025.03.04 09:29:56 -07'00'
Adobe Acrobat version:
2024.005.20421

Brennon Dick
Operations Manager

Date

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:

<u>Shipment</u>	<u>UHW #</u>	<u>Disposal Date</u>	<u>Gross Volume (Cu/Ft)</u>	<u>Net Volume (Cu/Ft)</u>	<u>Process</u>	<u>Disposal Location</u>
9750-90-0008	64749	03/27/2025	7.5	7.0	Landfill	Mixed Waste

RECEIVED
APR 15 2025
BY: AA

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.

Brennon Dick

Digitally signed by Brennon Dick
Date: 2025.04.04 13:54:30 -06'00'
Adobe Acrobat version: 2025.001.20435

Brennon Dick
Operations Manager

Date

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:

<u>Shipment</u>	<u>UHMW #</u>	<u>Disposal Date</u>	<u>Gross Volume (Cu/Ft)</u>	<u>Net Volume (Cu/Ft)</u>	<u>Process</u>	<u>Disposal Location</u>
7340-08-0037	64754	03/10/2025	22.3	22.2	Landfill	Mixed Waste

RECEIVED
MAR 21 2025
BY: 

The total volume above represents the cubic feet of waste disposed of at EnergySolutions' Disposal Facility Landfill. Disposal is subject to EnergySolutions' Radioactive Material License, all other applicable licenses, permits and regulations, and the Disposal Agreement.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identification section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Brennon Dick

Digitally signed by Brennon Dick
Date: 2025.03.13 08:34:40 -06'00'
Adobe Acrobat version:
2024.005.20421

Brennon Dick
Operations Manager

Date

EPA ID # TND982109142
657 Gallaher Rd, Kingston, TN



COD Number: TSDSSI-25-036-20250530

Certificate of Disposal

Diversified Scientific Services, Inc. of Kingston, Tennessee is providing this certificate to confirm the disposal of TSCA Regulated PCB waste by Alternate Thermal Treatment.

Hereby certifies such destruction on: 5/30/2025

Attached list of containers from Receipt Number DSSI-25-036

Received on Radioactive or Hazardous Waste Manifest Number 025264768JJK

Generator Name US Dept of Energy - Four Rivers (formerly Fluor Federal Services, Inc.)

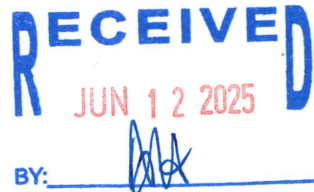
EPA ID No. KY8890008982

Address 5511 Hobbs Road

Contact Kevil, KY 42053-
Chelle Telfiar

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: Tiffany Clark
Title: Waste Tracking Representative



Signature: Tiffany Clark Digitally signed by Tiffany Clark
Date: 2025.06.03 07:08:05 -04'00'

Certificate of Disposal

TSDSSI-25-036-20250530

Receipt Number	Rad/Haz Manifest Number	PF Profile Number	PF Package Number	Customer Package Number	Burn Campaign Number	Date Processed	Waste Description	Date Received
DSSI-25-036	025264768JJJ	25-02-008	89717	122622-05	25-004	5/30/2025	Bulk Liquid - PCBs	3/12/2025

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:

<u>Shipment</u>	<u>UHMW #</u>	<u>Disposal Date</u>	<u>Gross Volume (Cu/Ft)</u>	<u>Net Volume (Cu/Ft)</u>	<u>Process</u>	<u>Disposal Location</u>
7340-08-0038	64777	09/15/2025	8.2	8.1	Landfill	Mixed Waste

RECEIVED
OCT 01 2025
BY: BA

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.


Brennon Dick
Operations Manager

09-26-25
Date

299 S Main Street, Suite 1700, Salt Lake City, Utah 84111. Telephone (801) 649-2000

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:

<u>Shipment</u>	<u>UHWM #</u>	<u>Disposal Date</u>	<u>Gross Volume (Cu/Ft)</u>	<u>Net Volume (Cu/Ft)</u>	<u>Process</u>	<u>Disposal Location</u>
9750-89-0045	64780	06/23/2025	969.0	659.0	Landfill	Mixed Waste
9750-90-0009	64781	06/23/2025	7.5	7.0	Landfill	Mixed Waste

RECEIVED
JUN 27 2025

BY: AK

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.

Brennon Dick

Digitally signed by Brennon Dick
Date: 2025.06.27 07:18:08 -06'00'
Adobe Acrobat version:
2025.001.20531

Brennon Dick
Operations Manager

Date

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:

<u>Shipment</u>	<u>UHWM #</u>	<u>Disposal</u> <u>Date</u>	<u>Gross Volume</u> <u>(Cu/Ft)</u>	<u>Net Volume</u> <u>(Cu/Ft)</u>	<u>Process</u>	<u>Disposal Location</u>
9750-01-0113	64782	08/04/2025	11.6	10.4	Landfill	Mixed Waste

RECEIVED
AUG 08 2025
BY: Alt

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.

Brennon Dick

Digitally signed by Brennon Dick
Date: 2025.08.07 12:50:02 -06'00'
Adobe Acrobat version: 2025.001.20577

Brennon Dick
Operations Manager

Date

EPA ID # TND982109142
657 Gallaher Rd, Kingston, TN



COD Number: TSDSSI-25-072-20250626

Certificate of Disposal

Diversified Scientific Services, Inc. of Kingston, Tennessee is providing this certificate to confirm the disposal of TSCA Regulated PCB waste by Alternate Thermal Treatment.

Hereby certifies such destruction on: 6/26/2025

Attached list of containers from Receipt Number DSSI-25-072

Received on Radioactive or Hazardous Waste Manifest Number 025264785JJK

Generator Name US Dept of Energy - Four Rivers (formerly Fluor Federal Services, Inc.)
EPA ID No. KY8890008982
Address 5511 Hobbs Road

Contact Kevil, KY 42053-
Chelle Telfiar



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: Tiffany Clark
Title: Waste Tracking Representative

Signature: Tiffany Clark
Digitally signed by Tiffany Clark
Date: 2025.07.01 07:49:34 -04'00'

Certificate of Disposal
TSDSSI-25-072-20250626

Receipt Number	Rad/Haz Manifest Number	PF Profile Number	PF Package Number	Customer Package Number	Burn Campaign Number	Date Processed	Waste Description	Date Received
DSSI-25-072	025264785JJJ	25-05-007	90475	122621-03	25-005	6/26/2025	Bulk Liquid - Oil PCBs	5/29/2025

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APPENDIX C

PCB WASTE STORAGE AREA INSPECTION RECORDS

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PCB Waste Inspection Summary Report

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
C-333					
	G-333-18	1/6/2025	☐	☒	
	G-333-18	2/4/2025	☐	☒	
	G-333-18	3/6/2025	☐	☒	
	G-333-18	4/3/2025	☐	☒	
	G-333-18	5/1/2025	☐	☒	
	G-333-18	5/28/2025	☐	☒	
	G-333-18	6/25/2025	☐	☒	

C-3

PCB Waste Inspection Summary Report

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
G-333-18		7/16/2025	☐	☒	
G-333-18		8/13/2025	☐	☒	
G-333-18		9/9/2025	☐	☒	
G-333-18		9/30/2025	☐	☒	
G-333-18		10/28/2025	☐	☒	
G-333-18		11/18/2025	☐	☒	
G-333-18		12/16/2025	☐	☒	
S-333-27		1/6/2025	☐	☒	

C-4

PCB Waste Inspection Summary Report

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
S-333-27		2/4/2025	☐	☒	Area was closed 2/4/2025
S-333-28		1/6/2025	☐	☒	
S-333-28		2/4/2025	☐	☒	
S-333-28		3/6/2025	☐	☒	
S-333-28		4/3/2025	☐	☒	
S-333-28		5/1/2025	☐	☒	
S-333-28		5/28/2025	☐	☒	
S-333-28		6/25/2025	☐	☒	

C-5

PCB Waste Inspection Summary Report

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
S-333-28		7/16/2025	☐	☒	
S-333-28		8/13/2025	☐	☒	
S-333-28		9/9/2025	☐	☒	
S-333-28		9/30/2025	☐	☒	
S-333-28		10/28/2025	☐	☒	
S-333-28		11/18/2025	☐	☒	
S-333-28		12/16/2025	☐	☒	
S-333-29		1/6/2025	☐	☒	

PCB Waste Inspection Summary Report

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
S-333-29		2/4/2025	☐	☒	
S-333-29		3/6/2025	☐	☒	
S-333-29		4/3/2025	☐	☒	
S-333-29		5/1/2025	☐	☒	
S-333-29		5/28/2025	☐	☒	
S-333-29		6/25/2025	☐	☒	
S-333-29		7/16/2025	☐	☒	
S-333-29		8/13/2025	☐	☒	

C-7

PCB Waste Inspection Summary Report

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
S-333-29		9/9/2025	☐	☒	
S-333-29		9/30/2025	☐	☒	
S-333-29		10/28/2025	☐	☒	
S-333-29		11/18/2025	☐	☒	
S-333-29		12/16/2025	☐	☒	
S-333-30		1/6/2025	☐	☒	
S-333-30		2/4/2025	☐	☒	Area was closed 2/4/2025

C-337

Tuesday, April 21, 2026

G= GSA S= SAA

Page 6 of 18

PCB Waste Inspection Summary Report

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
G-337-32		6/25/2025	☐	☒	PCB storage area established 6/2/2025.
G-337-32		7/16/2025	☐	☒	
G-337-32		8/13/2025	☐	☒	PCB storage area closed 9/9/2025.
G-337-PCB-02		1/6/2025	☐	☒	
G-337-PCB-02		2/4/2025	☐	☒	
G-337-PCB-02		3/6/2025	☐	☒	
G-337-PCB-02		4/3/2025	☐	☒	
G-337-PCB-02		5/1/2025	☐	☒	

G-9

PCB Waste Inspection Summary Report

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
G-10	G-337-PCB-02	5/28/2025	☐	☒	
	G-337-PCB-02	6/25/2025	☐	☒	
	G-337-PCB-02	7/16/2025	☐	☒	
	G-337-PCB-02	8/13/2025	☐	☒	
	G-337-PCB-02	9/9/2025	☐	☒	
	G-337-PCB-02	9/30/2025	☐	☒	
	G-337-PCB-02	10/28/2025	☐	☒	
	G-337-PCB-02	11/18/2025	☐	☒	

PCB Waste Inspection Summary Report

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
G-11	G-337-PCB-02	12/16/2025	☐	☒	
	S-337-12	1/6/2025	☐	☒	
	S-337-12	2/4/2025	☐	☒	
	S-337-12	3/6/2025	☐	☒	
	S-337-12	4/3/2025	☐	☒	
	S-337-12	5/1/2025	☐	☒	
	S-337-12	5/28/2025	☐	☒	
	S-337-12	6/25/2025	☐	☒	

PCB Waste Inspection Summary Report

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
C-12	S-337-12	7/16/2025	☐	☒	
	S-337-12	8/13/2025	☐	☒	
	S-337-12	9/9/2025	☐	☒	
	S-337-12	9/30/2025	☐	☒	
	S-337-12	10/28/2025	☐	☒	
	S-337-12	11/18/2025	☐	☒	
	S-337-12	12/16/2025	☐	☒	

C-733

PCB Waste Inspection Summary Report

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
C-733		1/6/2025	☐	☒	
C-733		2/4/2025	☐	☒	
C-733		3/6/2025	☐	☒	
C-733		4/3/2025	☐	☒	
C-733		4/9/2025	☐	☒	
C-733		5/7/2025	☐	☒	
C-733		6/4/2025	☐	☒	
C-733		6/25/2025	☐	☒	

C-13

PCB Waste Inspection Summary Report

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
C-14	C-733	7/16/2025	☐	☒	
	C-733	8/13/2025	☐	☒	
	C-733	9/9/2025	☐	☒	
	C-733	9/30/2025	☐	☒	
	C-733	10/28/2025	☐	☒	
	C-733	11/18/2025	☐	☒	
	C-733	12/16/2025	☐	☒	

C-746-Q

PCB Waste Inspection Summary Report

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
C-15	C-746-Q	1/6/2025	☐	☒	
	C-746-Q	2/4/2025	☐	☒	
	C-746-Q	3/6/2025	☐	☒	
	C-746-Q	4/3/2025	☐	☒	
	C-746-Q	4/9/2025	☐	☒	
	C-746-Q	5/7/2025	☐	☒	
	C-746-Q	6/4/2025	☐	☒	
	C-746-Q	6/25/2025	☐	☒	

PCB Waste Inspection Summary Report

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
C-16	C-746-Q	7/16/2025	☐	☒	
	C-746-Q	8/13/2025	☐	☒	
	C-746-Q	9/9/2025	☐	☒	
	C-746-Q	9/30/2025	☐	☒	
	C-746-Q	10/28/2025	☐	☒	
	C-746-Q	11/18/2025	☐	☒	
	C-746-Q	12/16/2025	☐	☒	

C-752-A

PCB Waste Inspection Summary Report

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
C-17	C-752-A	1/6/2025	☐	☒	
	C-752-A	2/4/2025	☐	☒	
	C-752-A	3/6/2025	☐	☒	
	C-752-A	4/3/2025	☐	☒	
	C-752-A	4/9/2025	☐	☒	
	C-752-A	5/7/2025	☐	☒	
	C-752-A	6/4/2025	☐	☒	
	C-752-A	6/25/2025	☐	☒	

PCB Waste Inspection Summary Report

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
C-18	C-752-A	7/16/2025	☐	☒	
	C-752-A	8/13/2025	☐	☒	
	C-752-A	9/9/2025	☐	☒	
	C-752-A	9/30/2025	☐	☒	
	C-752-A	10/28/2025	☐	☒	
	C-752-A	11/18/2025	☐	☒	
	C-752-A	12/16/2025	☐	☒	

C-753-A

PCB Waste Inspection Summary Report

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
	C-753-A	1/6/2025	☐	☒	
C-19	C-757				
	G-757-03	1/6/2025	☐	☒	
	G-757-03	2/4/2025	☐	☒	
	G-757-03	3/6/2025	☐	☒	
	G-757-03	4/3/2025	☐	☒	
	G-757-03	5/1/2025	☐	☒	
	G-757-03	5/28/2025	☐	☒	

PCB Waste Inspection Summary Report

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
C-20	G-757-03	6/25/2025	☐	☒	
	G-757-03	7/16/2025	☐	☒	
	G-757-03	8/13/2025	☐	☒	
	G-757-03	9/9/2025	☐	☒	
	G-757-03	9/30/2025	☐	☒	
	G-757-03	10/28/2025	☐	☒	
	G-757-03	11/18/2025	☐	☒	
	G-757-03	12/16/2025	☐	☒	

APPENDIX D

PCB WASTE INVENTORY TABLES

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TABLES

D.1. Corrections and Adjustments to the December 31, 2024, Inventory	D-5
D.2. PCB Waste Generated in 2025.....	D-6
D.3. Adjustments to the 2025 Inventory	D-7
D.4. PCB Waste Shipped for Disposal in 2025	D-8
D.5. PCB Waste Inventory as of December 31, 2025.....	D-9

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Table D.1. Corrections and Adjustments to the December 31, 2024 Inventory

Inventory Adjustments	RFD	Waste ID	PCB Item	Description	PCB Date	Physical	Gross Wt (kg)	Source	Waste Cat	Comments
0	130116	130116-05	PCB Container	PCB SOLIDS WITH CADMIUM, CHROMIUM, AND LEAD	8/14/2024	SOLID (S)	8.62	C-333	RCRA/TSCA MIXED (RTM)	
0	130567	130567-01	PCB Article Container	PCB LIGHT BALLASTS/CAPACITORS/ TRANSFORMERS/ETC	10/16/2024	S	76.15	C-757	TSCA MIXED (TM)	
0	122623	122623-20	PCB Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	12/16/2024	S	12.70	Proc Bldgs	TM	
TOTAL CORRECTIONS AND ADJUSTMENTS TO THE DECEMBER 31, 2024, INVENTORY:							97.47			

Table D.2. PCB Waste Generated in 2025

RFD	Waste ID	PCB Item	Description	PCB Date	Gross Wt (kg)	Physical	Current Facility	Source	Waste Cat
122622	122622-06	PCB Container	VENTILATION DUCT OIL AND WATER	3/3/2025	58.06	LIQUID (L)	DSSI, Inc., Kingston, TN	Proc Bldgs	TSCA MIXED (TM)
122623	122623-21	PCB Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	3/10/2025	41.73	SOLID (S)	EnergySolutions, Clive, UT	Proc Bldgs	TM
130116	130116-06	PCB Container	PCB SOLIDS WITH CADMIUM, CHROMIUM, AND LEAD	4/29/2025	35.38	S	C-752-A	C-333	RCRA/TSCA MIXED (RTM)
130707	130707-01 ^a	PCB Article Container	PCB LIGHT BALLASTS/CAPACITORS/TRANSFORMERS/ETC.	5/14/2025	107.50	S	C-757	PlantWide	TM
130711	130711-01	PCB Container	VENT DUCT LIQUIDS CONTAMINATED WITH CADMIUM, CHROMIUM AND LEAD	5/12/2025	9.07	L	DSSI, Inc., Kingston, TN	C-333	RTM
130712	130712-01	PCB Container	LUBE OIL/PCB RINSATE COLLECTED FROM DRAINING TRANSFORMERS	5/6/2025	51.26	L	DSSI, Inc., Kingston, TN	C-337	RTM
130712	130712-02 ^a	PCB Container	LUBE OIL/PCB RINSATE COLLECTED FROM DRAINING TRANSFORMERS	10/29/2025	17.69	L	C-337	C-337	RTM
130715	130715-01	PCB Article Container	PCB BALLAST	5/8/2025	7.71	S	EnergySolutions, Clive, UT	C-743	TM
130757	130757-01	PCB Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	8/19/2025	36.74	S	C-752-A	Proc Bldgs	TM
130757	130757-02 ^a	PCB Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	9/23/2025	29.50	S	C-337	Proc Bldgs	TM
TOTAL PCB WASTE GENERATED IN CY 2025:					394.64				

^a Indicates a collection container as of December 31, 2025. Weight is estimated.

Table D.3. Adjustments to the 2025 Inventory

[illegible]^aIndicates a container material was repacked into.

Table D.4. PCB Waste Shipped for Disposal in 2025

RFD	Waste ID	PCB Item	Description	PCB Date	Current Facility	Gross Wt (kg)	Physical	Source	Waste Cat	Ship Date	Ship Location	Manifest
122621	122621-03	PCB Container	LUBE OIL/PCB RINSATE COLLECTED FROM SITE GLASSES FROM TRANSFORMER DRAINING	7/1/2024	DSSI, Inc., Kingston, TN	43.54	LIQUID (L)	C-337	RCRA/TSCA MIXED (RTM)	5/28/2025	DSSI, Inc., Kingston, TN	025264785JJK
122622	122622-05	PCB Container	VENTILATION DUCT OIL AND WATER	4/25/2024	DSSI, Inc., Kingston, TN	125.19	L	Proc Bldgs	TSCA MIXED (TM)	3/11/2025	DSSI, Inc., Kingston, TN	025264768JJK
122623	122623-16	PCB Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	4/16/2024	EnergySolutions, Clive, UT	56.25	SOLID (S)	Proc Bldgs	TM	2/27/2025	EnergySolutions, Clive, UT	025264754JJK
122623	122623-17	PCB Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	5/9/2024	EnergySolutions, Clive, UT	64.41	S	Proc Bldgs	TM	2/27/2025	EnergySolutions, Clive, UT	025264754JJK
122623	122623-18	PCB Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	8/20/2024	EnergySolutions, Clive, UT	56.25	S	Proc Bldgs	TM	2/27/2025	EnergySolutions, Clive, UT	025264754JJK
122623	122623-19	PCB Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	9/12/2024	EnergySolutions, Clive, UT	48.53	S	Proc Bldgs	TM	5/29/2025	EnergySolutions, Clive, UT	025264777JJK
122623	122623-20	PCB Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	12/16/2024	EnergySolutions, Clive, UT	37.19	S	Proc Bldgs	TM	9/4/2025	EnergySolutions, Clive, UT	025264812JJK
130116	130116-04	PCB Container	PCB SOLIDS WITH CADMIUM, CHROMIUM, AND LEAD	1/10/2024	EnergySolutions, Clive, UT	49.90	S	C-333	RTM	1/7/2025	EnergySolutions, Clive, UT	025264720JJK
130116	130116-05	PCB Container	PCB SOLIDS WITH CADMIUM, CHROMIUM, AND LEAD	8/14/2024	EnergySolutions, Clive, UT	35.83	S	C-333	RTM	5/29/2025	EnergySolutions, Clive, UT	025264782JJK
130362	130362-02	PCB Article Container	PCB LIGHT BALLASTS/CAPACITORS/TRANSFORMERS/ETC.	3/19/2024	EnergySolutions, Clive, UT	257.64	S	PlantWide	TM	2/27/2025	EnergySolutions, Clive, UT	025264749JJK
130567	130567-01	PCB Article Container	PCB LIGHT BALLASTS/CAPACITORS/TRANSFORMERS/ETC	10/16/2024	EnergySolutions, Clive, UT	159.66	S	PlantWide	TM	5/29/2025	EnergySolutions, Clive, UT	025264781JJK
130715	130715-01	PCB Article Container	PCB BALLAST	5/8/2025	EnergySolutions, Clive, UT	7.71	S	C-743	TM	5/29/2025	EnergySolutions, Clive, UT	025264777JJK

TOTAL PCB WASTE SHIPPED FOR DISPOSAL IN CY 2025*:**942.10**

*Due to rounding, the weight totals may vary.

Table D.5. PCB Waste Inventory as of December 31, 2025

RFD	Waste ID	PCB Item	Description	PCB Date	Physical	Gross Wt (kg)	Current Facility	Source	Waste Category
122623	122623-21	PCB Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	3/10/2025	SOLID (S)	41.73	EnergySolutions, Clive, UT	Proc Bldgs	TSCA MIXED (TM)
122622	122622-06	PCB Container	VENTILATION DUCT OIL AND WATER	3/3/2025	LIQUID (L)	58.06	DSSI, Inc., Kingston, TN	Proc Bldgs	TM
130707	130707-01*	PCB Article Container	PCB LIGHT BALLASTS/CAPACITORS/TRANSFORMERS/ETC.	5/14/2025	S	107.95	C-752-A	PlantWide	TM
130116	130116-06	PCB Container	PCB SOLIDS WITH CADMIUM, CHROMIUM, AND LEAD	4/29/2025	S	35.38	C-752-A	C-333	RCRA/TSCA MIXED (RTM)
130712	130712-01	PCB Container	LUBE OIL/PCB RINSATE COLLECTED FROM DRAINING TRANSFORMERS	5/6/2025	L	51.26	DSSI, Inc., Kingston, TN	C-337	RTM
130711	130711-01	PCB Container	VENT DUCT LIQUIDS CONTAMINATED WITH CADMIUM, CHROMIUM AND LEAD	5/12/2025	L	9.07	DSSI, Inc., Kingston, TN	C-333	RTM
130757	130757-01	PCB Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	8/19/2025	S	36.74	C-752-A	Proc Bldgs	TM
130757	130757-02*	PCB Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	9/23/2025	S	29.50	C-337	Proc Bldgs	TM
130712	130712-02*	PCB Container	LUBE OIL/PCB RINSATE COLLECTED FROM DRAINING TRANSFORMERS	10/29/2025	L	17.69	C-337	C-337	RTM
TOTAL PCB WASTE INVENTORY AS OF DECEMBER 31, 2025:						387.38			

*Indicates a collection container as of December 31, 2025. Weight is estimated.

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