



### **Department of Energy**

Portsmouth/Paducah Project Office 1017 Majestic Drive, Suite 200 Lexington, Kentucky 40513 (859) 219-4000

June 20, 2023

Ms. Myrna Redfield, Program Manager Four Rivers Nuclear Partnership, LLC 5511 Hobbs Road Kevil, Kentucky 42053 PPPO-02-10024471-23B

Dear Ms. Redfield:

#### DE-EM0004895: CONCURRENCE ON DELIVERABLE NO. 68, FINAL ANNUAL DOCUMENT OF POLYCHLORINATED BIPHENYLS FOR JANUARY 1, 2022, THROUGH DECEMBER 31, 2022, FRNP-RPT-0296

Reference: Letter from M. Redfield to M. Fultz, "Four Rivers Nuclear Partnership, LLC— For Concurrence—Deliverable No. 68—FINAL Annual Document of Polychlorinated Biphenyls at the Paducah Gaseous Diffusion Plant," (FRNP-23-7313), dated June 14, 2023

The U.S. Department of Energy reviewed the Four Rivers Nuclear Partnership, LLC submittal of Deliverable No. 68, Final Annual Document of Polychlorinated Biphenyls at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky for January 1, 2022, through December 31, 2022, FRNP-RPT-0296, and concurs with the document as submitted.

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

Sincerely,

APRIL LADD Digitally signed by APRIL LADD Date: 2023.06.20 14:49:07 -05'00'

April Ladd Contracting Officer's Representative Portsmouth/Paducah Project Office cc:

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FRNP-RPT-0296

Annual Document of Polychlorinated Biphenyls at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, for January 1, 2022–December 31, 2022

# **FOUR RIVERS NUCLEAR PARTNERSHIP**, LLC

This document is approved for public release per review by: Digitally signed by JACKIE THOMPSON JACKIE THOMPSON (Affiliate) Date: 2023.06.14 10:10:04 -05'00'

FRNP Classification Support

Date

#### FRNP-RPT-0296

Annual Document of Polychlorinated Biphenyls at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, for January 1, 2022–December 31, 2022

Date Issued—June 2023

#### 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

Certificate of Disposal
Code of Federal Regulations
calendar year
U.S. Department of Energy
U.S. Environmental Protection Agency
Resource Conservation and Recovery Act
treatment, storage, and disposal facility
Uniform Hazardous Waste Manifest
waste tracking system

### **EXECUTIVE SUMMARY**

This Annual Document of Polychlorinated Biphenyls at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, for January 1, 2022–December 31, 2022, (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 5–7. 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), information on PCB waste shipped off-site and stored at the facility (Section 6), and a PCB waste shipment receipt log (Section 7). 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 2022 are summarized below:

PCB transformers in service as of 12/31/2022:	0
Total PCBs in kg in PCB transformers as of 12/31/2022:	0
PCB large capacitors in service as of 12/31/2022:	0
PCB waste in kg <sup>1</sup> generated in CY 2022:	10,535
PCB waste in kg <sup>2</sup> shipped off-site for treatment/disposal in CY 2022:	34,494
PCB waste in kg <sup>3</sup> remaining in storage for disposal as of 12/31/2022:	2,310

Throughout CY 2022, the Paducah Site generated twenty-one manifested shipments of PCB wastes to off-site treatment/disposal facilities. Twenty-six CDs were received in CY 2022 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 2022 Annual Compliance Agreement Report January 1 through December 31, 2022, for the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, FRNP-RPT-0300, dated May 2023, in accordance with the *Modification to the February 20, 1992, Compliance Agreement Between the United* 

<sup>&</sup>lt;sup>1</sup> The weights in kg are taken from the Waste Tracking System (WTS), Requests for Disposal, or generator-supplied information, and may be estimated.

<sup>&</sup>lt;sup>2</sup> The weights in kg were taken from the Uniform Hazardous Waste Manifests, as shown in Table 1.1, which differ from WTS weights shown in Table D.4.

<sup>&</sup>lt;sup>3</sup> See note 1.

States Department of Energy and the United States Environmental Protection Agency, Washington, D.C., Toxic Substances Control Act, approved May 30, 2017.

### **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). This section of the *Annual Document of Polychlorinated Biphenyls at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, for January 1, 2021–December 31, 2022*, (Annual Document) contains the information from the signed manifests of PCB wastes shipped off-site for disposal during CY 2022, which are included in Appendix A.

Twenty-one manifests with 46 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:

- Energy Solutions disposal facility in Clive, Utah; and
- Waste Control Specialists, LLC, disposal facility in Andrews, Texas.
- Perma-Fix of Florida disposal facility in Gainesville, Florida.

Table 1.1 summarizes the 2022 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 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.

UHWM Number	Date Shipped	Shipment Destination	Number of PCB	Weight from
		F C L	Containers	UHWM (kg) <sup>a,b</sup>
		EnergySolutions,		
019695351JJK	1/25/2022	Clive, UT	3	264
		EnergySolutions,		
019695353JJK	1/25/2022	Clive, UT	1	219
		Waste Control Specialists,		
019695368JJK	4/7/2022	Andrews, TX	3	11171
		Waste Control Specialists,		
019695369JJK	5/5/2022	Andrews, TX	2	15657
		EnergySolutions,		
019695411JJK	3/17/2022	Clive, UT	2	95
		EnergySolutions,		
019695416JJK	3/17/2022	Clive, UT	5	335
		EnergySolutions,		
019695420JJK	3/17/2022	Clive, UT	1	170
		EnergySolutions,		
019695436JJK	3/22/2022	Clive, UT	1	205
		EnergySolutions,		
019695446JJK	4/12/2022	Clive, UT	1	1578
		EnergySolutions,		
019695450JJK	4/12/2022	Clive, UT	1	29
		EnergySolutions,		
019695453JJK	4/12/2022	Clive, UT	1	35
		EnergySolutions,		
019695455JJK	4/12/2022	Clive, UT	1	262
		Perma-Fix of Florida		
023531984JJK	8/16/2022	Gainesville, FL	1	1
		EnergySolutions,		
023682004JJK	6/10/2022	Clive, UT	13	2025
		EnergySolutions,		
023682090JJK	7/26/2022	Clive, UT	1	808
		EnergySolutions,		
023682097JJK	8/4/2022	Clive, UT	1	717
		EnergySolutions,		
023682104JJK	8/23/2022	Clive, UT	1	354
		EnergySolutions,		
023682106JJK	8/29/2022	Clive, UT	1	14
		EnergySolutions,		
023682110JJK	8/29/2022	Clive, UT	1	179
		EnergySolutions,		
023682111JJK	8/29/2022	Clive, UT	1	68
		EnergySolutions,		
023682112JJK	8/29/2022	Clive, UT	4	308
	Total UHWM: 2	21	46	34,494

Table 1.1 PCB Waste Manifests Summary

<sup>a</sup> The weights in kg were taken from the UHWMs which may differ from WTS weights shown in Table D.4. <sup>b</sup> Due to rounding, the weight totals may vary.

### 2. PCB WASTE CERTIFICATES OF DISPOSAL

Certificates of Disposal (CDs) that have been received by the facility during the CY for PCB wastes disposed of are annual records required by 40 *CFR* § 761.180(a)(1)(ii). Twenty-six CDs were received in 2022 from the following facilities:

- Energy Solutions disposal facility in Clive, Utah; and
- Waste Control Specialists, LLC, disposal facility in Andrews, Texas.

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 2022 was for waste shipped in 2022, the manifests are shown in Table 1.1 and Appendix A.

UHWM	Earliest Date Removed from Service	Date Shipped	Disposer	Containers Disposed of	Weight from UHWM (kg) <sup>a</sup>	Date of Disposal	Date CD Received
			EnergySolutions,				
019695128JJK	9/29/2020	5/25/2021	Clive, UT	1	201	12/30/2021	1/4/2022
			EnergySolutions,				
019695128JJK	10/29/2020	5/25/2021	Clive, UT	1	204	12/30/2021	1/4/2022
			EnergySolutions,				
019695128JJK	1/25/2021	5/25/2021	Clive, UT	1	134	12/30/2021	1/4/2022
			EnergySolutions,				
019695234JJK	3/15/2021	9/28/2021	Clive, UT	1	203	12/30/2021	1/4/2022
			EnergySolutions,				
019695261JJK	5/13/2021	10/28/2021	Clive, UT	1	190	3/29/2022	4/4/2022
010(050(11))	<b>=</b> /1/2021	10/20/2021	EnergySolutions,		200	2/22/22/22	4/4/2022
019695261JJK	//1/2021	10/28/2021		1	200	3/29/2022	4/4/2022
010(050(11))	7/14/2021	10/20/2021	EnergySolutions,	1	102	2/20/2022	4/4/2022
019695261JJK	//14/2021	10/28/2021		1	193	3/29/2022	4/4/2022
010(052(11))	9/5/2021	10/28/2021	EnergySolutions,	1	200	2/20/2022	4/4/2022
019695261JJK	8/5/2021	10/28/2021	Energy Solutions	1	200	3/29/2022	4/4/2022
01060520011	8/20/2021	12/14/2021	Clive LIT	1	172	2/11/2022	2/22/2022
019093309JJK	8/30/2021	12/14/2021	Waste Control Specialist	1	172	3/11/2022	3/23/2022
0196953171IK	6/27/2004	12/14/2021	Andrews TX	1	292	12/2/2022	12/7/2022
0170755175JK	0/2//2004	12/14/2021	Waste Control Specialist	1		12/2/2022	12/7/2022
0196953171IK	6/27/2004	12/14/2021	Andrews TX	1	297	12/2/2022	12/7/2022
0190900170011	0.27.2001	12/11/2021	Waste Control Specialist.	1	297	12,2,2022	12,772022
019695317JJK	6/27/2004	12/14/2021	Andrews, TX	1	291	12/2/2022	12/7/2022
			Waste Control Specialist,	_			
019695317JJK	6/27/2004	12/14/2021	Andrews, TX	1	289	12/2/2022	12/7/2022
			Waste Control Specialist,				
019695317JJK	6/27/2004	12/14/2021	Andrews, TX	1	336	12/2/2022	12/7/2022
			Waste Control Specialist,				
019695317JJK	11/7/2005	12/14/2021	Andrews, TX	1	466	12/2/2022	12/7/2022
			Waste Control Specialist,				
019695317JJK	11/7/2005	12/14/2021	Andrews, TX	1	508	12/2/2022	12/7/2022
			Waste Control Specialist,				
019695317JJK	11/7/2005	12/14/2021	Andrews, TX	1	577	12/2/2022	12/7/2022
			Waste Control Specialist,				
019695318JJK	11/7/2005	12/14/2021	Andrews, TX	1	574	12/2/2022	12/7/2022
			Waste Control Specialist,				
019695318JJK	11/7/2005	12/14/2021	Andrews, TX	1	579	12/2/2022	12/7/2022

UHWM	Earliest Date Removed from Service	Date Shipped	Disposer	Containers Disposed of	Weight from UHWM (kg) <sup>a</sup>	Date of Disposal	Date CD Received
			Waste Control Specialist,				
019695318JJK	11/7/2005	12/14/2021	Andrews, TX	1	574	12/2/2022	12/7/2022
			Waste Control Specialist,				
019695318JJK	11/7/2005	12/14/2021	Andrews, TX	1	573	12/2/2022	12/7/2022
			Waste Control Specialist,				
019695318JJK	11/7/2005	12/14/2021	Andrews, TX	1	577	12/2/2022	12/7/2022
			EnergySolutions,				
019695351JJK	8/2/2021	1/25/2022	Clive, UT	1	34	3/11/2022	3/23/2022
			EnergySolutions,				
019695351JJK	9/16/2021	1/25/2022	Clive, UT	1	210	3/11/2022	3/23/2022
			EnergySolutions,				
019695351JJK	10/19/2021	1/25/2022	Clive, UT	1	20	3/11/2022	3/23/2022
			EnergySolutions,			- / - /	- / / /
019695353JJK	8/26/2021	1/25/2022	Clive, UT	1	219	2/4/2022	2/11/2022
010(050(0111)	11/5/0005	4/5/2022	Waste Control Specialist,		0.064	10/0/0000	10/5/0000
019695368JJK	11///2005	4/7/2022	Andrews, 1X	I	9,964	12/2/2022	12/7/2022
010(052(010)	11/7/2005	4/7/2022	waste Control Specialist,	1	502	12/2/2022	12/7/2022
019695368JJK	11///2005	4/ //2022	Andrews, 1X	1	583	12/2/2022	12/ //2022
010(052(011)	11/7/2005	4/7/2022	waste Control Specialist,	1	575	12/2/2022	12/7/2022
019695368JJK	11///2005	4/ //2022	Andrews, 1A Wasta Control Spacialist	1	5/5	12/2/2022	12/ //2022
01060526011	6/27/2004	5/5/2022	Androwe TV	1	16 647	12/2/2022	12/7/2022
019093309JJK	0/2//2004	3/3/2022	Waste Control Specialist	1	10,047	12/2/2022	12/7/2022
01060536011K	6/27/2004	5/5/2022	Andrews TX	1	202	12/2/2022	12/7/2022
019093309JJK	0/2//2004	51512022	Energy Solutions	1	<i>LJL</i>	12/2/2022	12/ //2022
0196954111IK	9/1/2021	3/17/2022	Clive UT	1	59	3/24/2022	3/29/2022
019093111351	9/1/2021	5/1//2022	EnergySolutions	1		572 172022	512912022
019695411.UK	9/1/2021	3/17/2022	Clive UT	1	36	3/24/2022	3/29/2022
01)0)01110011	,, I, <b>_</b> 0 <b>_</b> I	0/1//2022	Energy <i>Solutions</i> .	-	00	0.2	0.23.2022
019695416JJK	11/2/2021	3/17/2022	Clive. UT	1	36	12/9/2022	12/27/2022
			EnergySolutions,				
019695416JJK	12/20/2021	3/17/2022	Clive, UT	1	45	12/9/2022	12/27/2022
			EnergySolutions,				
019695416JJK	1/23/2022	3/17/2022	Clive, UT	1	203	12/9/2022	12/27/2022
			EnergySolutions,				
019695416JJK	1/23/2022	3/17/2022	Clive, UT	1	32	12/9/2022	12/27/2022
			EnergySolutions,				
019695416JJK	1/25/2022	3/17/2022	Clive, UT	1	19	12/9/2022	12/27/2022

UHWM	Earliest Date Removed from Service	Date Shipped	Disposer	Containers Disposed of	Weight from UHWM (kg) <sup>a</sup>	Date of Disposal	Date CD Received
			EnergySolutions,				
019695420JJK	8/19/2021	3/17/2022	Clive, UT	1	170	3/29/2022	4/4/2022
			EnergySolutions,				
019695436JJK	10/25/2021	3/22/2022	Clive, UT	1	205	12/9/2022	12/27/2022
			EnergySolutions,				
019695446JJK	6/1/2021	4/12/2022	Clive, UT	1	1,578	5/12/2022	5/13/2022
			EnergySolutions,				
019695450JJK	5/20/2021	4/12/2022	Clive, UT	1	29	4/25/2022	4/29/2022
			EnergySolutions,				
019695453JJK	1/24/2022	4/12/2022	Clive, UT	1	35	12/9/2022	12/27/2022
			EnergySolutions,				
019695455JJK	11/15/2021	4/12/2022	Clive, UT	1	262	4/26/2022	4/29/2022
			EnergySolutions,		1.60		
023682004JJK	3/2/2022	6/10/2022	Clive, UT	1	168	12/6/2022	12/15/2022
			EnergySolutions,				
023682004JJK	3/2/2022	6/10/2022	Clive, UT	1	155	12/6/2022	12/15/2022
000 (0000 41114	2/2/2022	(10)0000	EnergySolutions,		1.41	10/6/0000	10/15/0000
023682004JJK	3/2/2022	6/10/2022		1	161	12/6/2022	12/15/2022
000(000041112	2/2/2022	(10/2022	EnergySolutions,	1	171	12/(/2022	12/15/2022
023682004JJK	3/3/2022	6/10/2022	Clive, UI	1	161	12/6/2022	12/15/2022
0226920041112	2/2/2022	6/10/2022	Cline UT	1	167	12/6/2022	12/15/2022
023082004JJK	3/3/2022	0/10/2022	Energy Solutions	1	107	12/0/2022	12/13/2022
022682004111	2/2/2022	6/10/2022	Clive UT	1	166	12/6/2022	12/15/2022
023082004JJK	3/3/2022	0/10/2022	Energy Solutions	1	100	12/0/2022	12/13/2022
02368200411K	3/3/2022	6/10/2022	Clive UT	1	164	12/6/2022	12/15/2022
025002004551K	51512022	0/10/2022	Energy Solutions	1	104	12/0/2022	12/13/2022
02368200411K	3/3/2022	6/10/2022	Clive UT	1	165	12/6/2022	12/15/2022
025002004551	51512022	0/10/2022	Energy Solutions	1	105	12/0/2022	12/13/2022
0236820041IK	3/3/2022	6/10/2022	Clive UT	1	165	12/6/2022	12/15/2022
02500200 10011	5/5/2022	0/10/2022	Energy Solutions	1	100	12/0/2022	12/13/2022
023682004JJK	3/3/2022	6/10/2022	Clive. UT	1	166	12/6/2022	12/15/2022
			EnergySolutions.				
023682004JJK	3/3/2022	6/10/2022	Clive, UT	1	174	12/6/2022	12/15/2022
			EnergySolutions,				
023682004JJK	3/3/2022	6/10/2022	Clive, UT	1	162	12/6/2022	12/15/2022
			EnergySolutions,				
023682004JJK	3/3/2022	6/10/2022	Clive, UT	1	49	12/6/2022	12/15/2022

UHWM	JHWM Earliest Date Date Date Disposer Service		Containers Disposed of	Weight from UHWM (kg) <sup>a</sup>	Date of Disposal	Date CD Received	
			EnergySolutions,				
023682090JJK	6/27/2004	7/26/2022	Clive, UT	1	808	9/29/2022	9/30/2022
			EnergySolutions,				
023682097JJK	3/23/2022	8/4/2022	Clive, UT	1	717	9/20/2022	9/28/2022
			EnergySolutions,				
023682104JJK	3/24/2022	8/23/2022	Clive, UT	1	354	9/12/2022	9/29/2022
			EnergySolutions,				
023682106JJK	5/17/2022	8/29/2022	Clive, UT	1	14	9/29/2022	9/30/2022
			EnergySolutions,				
023682110JJK	1/12/2022	8/29/2022	Clive, UT	1	179	12/9/2022	12/27/2022
			EnergySolutions,				
023682111JJK	1/31/2022	8/29/2022	Clive, UT	1	68	9/12/2022	9/28/2022
			EnergySolutions,				
023682112JJK	10/19/2021	8/29/2022	Clive, UT	1	200	12/9/2022	12/27/2022
			EnergySolutions,				
023682112JJK	1/25/2022	8/29/2022	Clive, UT	1	39	12/9/2022	12/27/2022
			EnergySolutions,				
023682112JJK	3/10/2022	8/29/2022	Clive, UT	1	33	12/9/2022	12/27/2022
			EnergySolutions,				
023682112JJK	6/9/2022	8/29/2022	Clive, UT	1	36	12/9/2022	12/27/2022
			Totals <sup>b</sup>	67	43,354		

<sup>a</sup> 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.

<sup>b</sup> Due to rounding, the weight totals may vary.

#### **3. PCB WASTE STORAGE AREA INSPECTION RECORDS**

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

Table 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 2022. 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.

Building	Waste Area Designator
C-333	G-331-18ª
C-333	G-333-37 <sup>a,b</sup>
C-333	PCB/180-333-02°
C-337	G-337-02 <sup>a,d</sup>
C-337	G-337-03 <sup>a,e</sup>
C-337	G-337-PCB-02ª
C-337	S-337-12 <sup>f,g</sup>
C-337	S-337-13 <sup>f,h</sup>
C-337	S-337-14 <sup>f,i</sup>
C-720	G-720-36 <sup>a,j</sup>
C-733	C-733
C-746-Q	C-746-Q
C-752-A	C-752-A
С-753-А	С-753-А
C-757	G-757-03 <sup>a</sup>

#### Table 3.1. PCB Waste Storage Areas at the Paducah Site

<sup>a</sup>Waste 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. <sup>b</sup>G-337-37 was closed on August 9, 2022.

<sup>c</sup> PCB/180DAA-333-02 was opened on May 9, 2022, and was closed on August 10, 2022.

<sup>d</sup> G-337-02 was closed on August 10, 2022.

<sup>e</sup>G-337-03 was closed on August 9, 2022.

<sup>f</sup> Waste 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.

<sup>g</sup> S-337-12 was established on January 4, 2022.

<sup>h</sup>S-337-13 was established on November 7, 2022.

<sup>i</sup> S-337-14 was established on November 8, 2022.

<sup>j</sup> G-720-36 was established on October 27, 2022.

### 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 2022, there are no records.

### **5. PCB ELECTRICAL EQUIPMENT IN SERVICE**

No PCB [ $\geq$  500 parts per million (ppm)] transformers or PCB ( $\geq$  500 ppm) large capacitors were in service at the Paducah Site as of December 31, 2022, which is summarized in Table 5.1. In addition, no PCB transformers or PCB large capacitors were removed from service in CY 2022. Sixty-seven PCB transformers were removed from service, drained, and flushed during 2015. They were stored in place in C-337 during CY 2022. Residual flushate was removed over time as it drained through and collected in the units.

There are no CY 2022 PCB transformer maintenance records because there was no maintenance performed on these transformers, and the transformers currently are not in service.

Туре	Number in Service	Volume (gal)	PCB (kg)	
PCB transformers*	0	0	0	
PCB large high-voltage capacitors	0	0	0	

# Table 5.1. PCB Electrical Equipment in Serviceas of December 31, 2022

\*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.

### 6. PCB WASTE ACTIVITY

PCB waste activities performed by the facility during CY 2022 are annual records required by 40 *CFR* § 761.180 (a)(2)(iii). The PCB Waste Activity Summary for CY 2022 is shown in Table 6.1. Detail 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, 2021, has been adjusted from the "PCB Waste Inventory as of December 31, 2021," reported as Table D.5 of the *Annual Document of Polychlorinated Biphenyls at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, for January 1, 2021—December 31, 2021*, FRNP-RPT-0251. The net changes to the January 1, 2022, beginning inventory include adjustments because of in-process collection containers at the time of the 2021 inventory, information received after the 2021 report submittal, and/or weight corrections. The detailed listing of the December 31, 2021, corrections and adjustments is provided in Appendix D, Table D.1.

The detailed listing of PCB waste generated during CY 2022 is provided in Appendix D, Table D.2.

The detailed listing of the adjustments to the CY 2022 PCB inventory is provided in Appendix D, Table D.3.

The detailed listing of the PCB waste shipped in CY 2022 is provided in Appendix D, Table D.4.

The detailed listing of the PCB waste inventory as of December 31, 2022, is provided in Appendix D, Table D.5.

There was no PCB waste received from off-site facilities in CY 2022.

Table 6.1. PCB Waste Activity Summary for CY 2022

PCB Waste Items In Inventory	12/31/2021 Inventory		12/31/2021 Inventory		12/31/2021 Inventory		12/31/2021 Inventory		12/31/2021 Inventory		12/31/2021 Inventory		12/31/2021 Inventory		12/31/2021 Inventory		Corre Adjustmen Inv	Corrections and Adjustments to Beginning 1/1, Inventory <sup>a</sup>		1/2022 Inventory Genera		erated	Correct Inv	Corrections to 2022 Inventory <sup>b</sup>		Shipped for Disposal		12/31/2022 Inventory	
	pc	kg	рс	kg	pc	kg	pc	kg	pc	kg	pc	kg	рс	kg															
ARTICLES	5	26,830	0	0	5	26,830	0	0	0	1,297	-5	-28,127	0	0															
PCB Transformer Components (drained)	3	1,516	0	0	3	1,516	0	0	0	0	-3	-1,516	0	0															
PCB Transformers (drained)	2	25,314	0	0	2	25,314	0	0	0	1,297	-2	-26,611	0	0															
ARTICLE CONTAINERS <sup>e</sup>	5	1,271	0	724	5	1,995	6	770	-1	-2	-6	-2,076	4	687															
Large Capacitors	2	145	0	0	2	145	1	5	0	0	-2	-145	1	5															
Light Ballasts	2	676	0	6	2	682	4	194	-1	-2	-3	-763	2	111															
Misc. Equip. (motors, pumps, etc.)	1	45	0	718	1	1,168	1	571	0	0	-1	-1,168	1	571															
CONTAINERS	10	6,851	0	479	10	7,330	36	9,769	-1	-9	-35	-15,466	10	1,624															
Liquids <sup>d</sup>	3	676	0	15	3	691	18	2,851	0	0	-17	-3,252	4	290															
Solids	7	6,175	0	464	7	6,639	18	6,918	-1	-9	-18	-12,214	6	1,334															
BULK PCB REMEDIATION WASTE SOLIDS < 49 MG/Kg <sup>e</sup>	0	0	0	0	0	0	0	0	0	0	0	0	0	0															
TOTAL <sup>f</sup>	20	34,952	0	1,203	20	36,155	42	10,539	-2	1,286	-46	-45,669	14	2,311															

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

<sup>a</sup> The Corrections and Adjustments to Beginning Inventory column includes adjustments because of in-process collection containers at time of 2021 inventory, information received after the 2021 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.

<sup>b</sup> The Adjustments to 2022 Inventory column includes adjustments due to repackaging of wastes or because of in-process collection containers during time of 2022 inventory. Weights reported in this summary include the weight of the container (drum/box), except for tanks/tankers. <sup>c</sup> Article Containers are drums or boxes of PCB transformers, PCB large capacitors, electrical equipment, PCB light ballasts, or PCB small capacitors.

<sup>d</sup>Portable (mobile) tanks and totes are counted as Containers.

<sup>e</sup>PCB Remediation Waste Solids disposed at the onsite C-746-U Landfill.

<sup>f</sup>Due to rounding, the weight totals may vary.

### 7. PCB WASTE SHIPMENT RECEIPT LOG

A PCB waste shipment receipt log is required by 40 *CFR* § 761.180(a)(2)(viii). The log is included as Table 7.1. The table is an excerpt from a data file, which includes a record of phone calls or other agreed method to confirm receipt of PCB waste shipments. Information in the log that is not required for this report has been omitted from Table 7.1.

#### Table 7.1 CY 2022 PCB Waste Shipment Receipt Log

Shipment ID	Actual Ship Date	Shipment Destination	UHWM #	Comments / Notes	Date Manifest Received	Comments for Manifest Inquiries and Requests	Waste Cat	Confirmation email received from TSDF
7340-08-0018	1/25/2022	EnergySolutions, Clive, UT	019695353JJK	(1) ST-90 OF TSCA/LLW	1/27/2022		TSCA Mixed (TM)	RECEIVED EMAIL CONFIRMATION FROM SCOTT GLEASON ON 1/27/2022
9750-09-0024	1/25/2022	EnergySolutions, Clive, UT	019695351JJK	(1) DRUM OF TSCA/MLLW AND (2) DRUMS OF TSCA/LLW	1/27/2022		RCRA/TSCA Mixed (RTM)	RECEIVED EMAIL CONFIRMATION FROM SCOTT GLEASON ON 1/27/2022
7340-08-0019	3/17/2022	EnergySolutions, Clive, UT	019695420JJK	(1) ST-90 OF TSCA/ ACM WASTE	3/22/2022		TM	RECEIVED EMAIL CONFIRMATION FROM SCOTT GLEASON ON 3/22/2022
9750-04-0011	3/17/2022	Energy <i>Solutions,</i> Clive, UT	019695436JJK	(1) DRUM OF TSCA/LLW	3/30/2022	THIS DRUM WAS INCORRECTLY PROFILED AS 9750-10-0011, UHWM# 019695410JJK, AND RE- PROFILED AS 9750-04-0011 ON 3/22/2022	ТМ	RECEIVED EMAIL CONFIRMATION FROM SCOTT GLEASON ON 3/22/2022
9750-09-0025	3/17/2022	EnergySolutions, Clive, UT	019695416JJK	(5) TSCA/LLW	3/22/2022		TM	RECEIVED EMAIL CONFIRMATION FROM SCOTT GLEASON ON 3/22/2022
9750-90-0001	3/17/2022	Energy <i>Solutions,</i> Clive, UT	019695411JJK	(2) DRUMS OF TSCA WASTE	3/22/2022	The profile for these two containers changed from 9750-09 (VTD) to 9750-90 (PCB MACRO). Treatment cost changed from \$20,898.93 to \$558.85. PR-0014981	ТМ	RECEIVED EMAIL CONFIRMATION FROM SCOTT GLEASON ON 3/22/2022
WP-9519-03	4/7/2022	Waste Control Specialists, Andrews, TX	019695368JJK	(3) IP BAGS OF DRAINED PCB TRANSFORMERS	4/20/2022		TM	RECEIVED EMAIL CONFIRMATION FROM DAVID HEILMAN ON 4/12/2022
7340-08-0020	4/12/2022	EnergySolutions, Clive, UT	019695446JJK	(1) INTERMODAL OF TSCA/LLW (ISEU000079)	4/15/2022		TM	RECEIVED EMAIL CONFIRMATION FROM SCOTT GLEASON ON 4/15/2022
7340-08-0021	4/12/2022	EnergySolutions, Clive, UT	019695455JJK	(1) ST-90 OF TSCA WASTE	4/15/2022		TM	RECEIVED EMAIL CONFIRMATION FROM SCOTT GLEASON ON 4/15/2022
9750-09-0026	4/12/2022	EnergySolutions, Clive, UT	019695453JJK	(1) DRUM OF TSCA/MLLW	4/15/2022		RTM	RECEIVED CONFIRMATION EMAIL FROM SCOTT GLEASON ON 4/15/2022
9750-90-0002	4/12/2022	EnergySolutions, Clive, UT	019695450JJK	(1) DRUM OF TSCA/LLW	4/15/2022		TM	RECEIVED CONFIRMATION EMAIL FROM SCOTT GLEASON ON 4/15/2022
WP-9519-04	5/5/2022	Waste Control Specialists, Andrews, TX	019695369JJK	(2) IP-1 BAGS OF TSCA WASTE (PCB TRANSFORMERS)	5/10/2022		TM	RECEIVED CONFIRMATION EMAIL FROM MARLOW CARTWRIGHT ON 5/10/2022
9750-09-0028	6/10/2022	EnergySolutions, Clive, UT	023682004JJK	(13) DRUMS OF RCRA/TSCA WASTE	6/14/2022		RTM	RECEIVED CONFIRMATION EMAIL FROM SCOTT GLEASON ON 6/14/2022
9750-04-0012	7/26/2022	EnergySolutions, Clive, UT	023682090JJK	(1) ST-90 OF TSCA WASTE	7/29/2022		TM	RECEIVED CONFIRMATION EMAIL FROM SCOTT GLEASON ON 7/29/2022
7340-08-0023	8/4/2022	EnergySolutions, Clive, UT	023682097JJK	(1) INTERMODAL OF TSCA/ACM//LLW (ICEU000082)	8/8/2022		TM	RECEIVED CONFIRMATION EMAIL FROM SCOTT GLEASON ON 8/8/2022
PFF4-22-255	8/16/2022	Perma-Fix of Florida Gainesville, FL	023531984JJK	(1) DRUM OF RCRA/TSCA WASTE	8/24/2022		RTM	RECEIVED CONFIRMATION EMAIL FROM PAUL JONES ON 8/17/2022
7340-08-0024	8/23/2022	EnergySolutions, Clive, UT	023682104JJK	(1) ST-90 OF LLW/TSCA	8/26/2022		TM	RECEIVED CONFIRMATION EMAIL FROM SCOTT GLEASON ON 8/26/2022
9750-04-0013	8/29/2022	EnergySolutions, Clive, UT	023682110JJK	(1) DRUM OF LLW/TSCA	9/6/2022		TM	RECEIVED CONFIRMATION EMAIL FROM SCOTT GLEASON ON 9/6/2022
9750-09-0030	8/29/2022	EnergySolutions, Clive, UT	023682112JJK	(3) DRUMS OF TSCA/LLW, (1) DRUM OF TSCA WASTE	9/6/2022		RTM	RECEIVED CONFIRMATION EMAIL FROM SCOTT GLEASON ON 9/6/2022
7340-08-0025	8/29/2022	EnergySolutions, Clive, UT	023682111JJK	(1) DRUM OF TSCA/LLW	9/6/2022		TM	RECEIVED CONFIRMATION EMAIL FROM SCOTT GLEASON ON 9/6/2022
9750-03-0007	8/29/2022	EnergySolutions, Clive, UT	023682106JJK	(1) DRUM OF TSCA/MLLW	9/6/2022		RTM	RECEIVED CONFIRMATION EMAIL FROM SCOTT GLEASON ON 9/6/2022

7-2

## APPENDIX A

## PCB WASTE MANIFESTS

UNIFORM HAZARDOUS				and the		Forn			2050-0030
a second of the second s	1. Generator ID Number KY 8890008982	2. Page 1 of 3. I	Emergency Response 1-270-44	e Phone 1-6333	4. Manifest	Tracking N	umber	51. <b>I</b>	.1K
5. Generator's Name and Mailir Four Rivers Nucl 5511 Hobbs Ro	ig Address ear Partnership, LLC, (FRNP) on behalf of F ad, Kevil, KY-42053 - 270-441-5025	Gen FRNP	FRNP on be Paducah Ga 5511 Hobbs	(if different that half of the iseous Dif Rd Kevil	an mailing addre	nt 13	000		
6. Transporter 1 Company Nam	16		00111100000	1.00,1.00	U.S. EPA ID	Number			
RSB LOGIST	ICS Inc.					WARD	000120	)05	
7. Transporter 2 Company Nam	e					NULLIDEL			
8. Designated Facility Name an	d Site Address Disposal Site- Waste Tre	atment Facili	tv		U.S. EPA ID	Number			
US I-80 Exit 4 1-435	19, Clive, UT 84029 5-884-0155		-		1	UTD98	325988	98	
Facility's Phone: 9a. 9b. U.S. DOT Descripti	on (including Proper Shipping Name, Hazard Class, ID Num	10. Conta	ners	11. Total	12. Unit 13. Maste Codes				
HM and Packing Group (if a	iny))	- m (m, m,	No.	Туре	Quantity	Wt./Vol.	0040		
RQ Chlorobenzer	ardous waste, liquid, n.o.s., (Benz 1e), 9, PG III, (D018, PCB)	ene,	4	DM	210	к	D018	DOZI	0027
2002912, Rad RQ (PCB) Np-23	lioactive material, low specific active	vity (LSA-I), 7 ), Solid/Oxide	7.	DM	54	к			
MBq, Fissile I	Excepted								
14. Special Handling Instruction Truck: 55620 ERG # 162, 1 See Attachmu 15. GENERATOR'S/OFFERC marked and labeled/placa	is and Additional Information Trailer 253194 TID: 0349849 171 In the event of an RQ Release ent for Additional Info	Accumulation e, call 1-800-4 24777 of this consignment are fit t according to applicable	on Start Date: 124-8802 ully and accurately de e international and nat	ατοίο ματά το	FCB If undel Shipme by the proper s ental regulations	Start Da iverable int ID: ( hipping names, lf export sh	ate: , return 9750-0! e, and are claim ipment and	n to gen 9-0024 assified, pac I am the Prir	kaged,
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Exporter, I certify that the I certify that the waste mir Generator's/Offeror's Printed(Ty Regime Height 16. International Shipments	contents of this consignment conform to the terms of the atta imization statement identified in 40 CFR 262.27(a) (if I am a red Name	ached EPA Acknowledgi a large quantity generato Signatu	ment of Consent. or) or (b) (if I am a sm	all quantity gen	nerator) is true.		M	onth Da	y Year 5   22
Exporter, I certify that the I certify that the waste mir Generator's/Offeror's Printed(Ty Regimenter Stranger of the stranger	The contents of this consignment conform to the terms of the attribution of the second	ached EPA Acknowledgr a large quantity generate Signatu	ment of Consent. br) or (b) (if I am a sm	all quantity gen	ierator) is true.		M	onth Da	y Year 5   22
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#### Additional Information Attachment, Page 2 of 2

Manifest Number: 019695351JJK

Shipment ID Number: 9750-09-0024

Shipment Date: 1/25/2022

A-

UHWM Section	RFD	Container / WASTE ID	Barcode	Description	Accumulation Start Date	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (Ib)	Gross Wt (Kg)	NET WT (Ib)	Net Wt (Kg)	Maximum Activity (MBq)
9b.2	122253	122253-04	PAD21C47146	Vent Duct Trough Cleanup Debris	N/A	08/02/21	7	130	59	74	34	7
9b.2	122253	122253-05	PAD21C47150	Vent Duct Trough Cleanup Debris	N/A	10/19/21	7.2	101	46	45	20	4
9b.1	121255	121255-04	PAD20C44709	LUBE OIL / PCB RINSEATE (NOTED AS BEING EMPTY AT C-337 AS OF 3/29/2021 - ENTERED TO TRACK DRUM IN FIELD)	09/16/21	R0 4/12/2	RP 4113/23 6.7	518	235	462	210	N/A
		Totals	3				20.9	749	340	581	264	11

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.
Plea	ase pi	rint or type.		•					· · · · · · · · · · · · · · · · · · ·	Form	Approved. Of	//B No. 2	050-0039
Î	UNI V	IFORM HAZARDOUS VASTE MANIFEST	1. Generator ID Number	KY 8890008982	2. Page 1 of	3. Emerger	ncy Response 1-270-4	Phone 141-633	$\frac{4. \text{ Manifest}}{01}$	Tracking Nur	<u>5353</u>	<u>3 11</u>	K
	5. G	enerator's Name and Mailir Four Riv	gAddress ers Nuclear Pa	rtnership, LLC, (FRI	VP) on	Generator's FRNP	Site Address ( on behalf	of the U.	n mailing addre S. Departi	<sup>ss)</sup> nent of E	nergy		
		behalf of	the U.S. Depa	artment of Energy	,	Paduca	ah Gaseo	us Diffusi	on Plant,				
	Gon	arataria Pha5511 Ho	bbs Road, Kev	il, KY 42053	1	5511 H	lobbs Rd,	Kevil, Kh	/ 42053				
	6. Tr	ansporter 1 Company Nam	e	20070-1					U.S. EPA ID	Number			
		RSBLO	GISTICS Inc.							<u> </u>		11200	5
	7. Tr	ansporter 2 Company Nam	e						U.S. EPAID	Number			
	8. D	esignated Facility Name an	d Site Address						U.S. EPA ID	Number			
		EnergyS	olutions Clive (	Disposal Site- Bulk V	Vaste Faci	lity							
		US 1-80	Exit 49, Clive,	UT 84029					1	i	UTD9828	59889	в
	Faci	lity's Phone: 1	-435-884-0155					r		1			
	9a. HM	9b. U.S. DOT Descripti and Packing Group (if a	on (including Proper Shipp any))	bing Name, Hazard Class, ID Numbe	er,		10. Contain No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Wa	ste Codes	
		<sup>1.</sup> UN 3077,	Environmentally	hazardous substances,	solid, n.o.s.							T	
1g	R	Q (PCB, Bei	yllium), 9, PG III				1	СМ	219	ĸ			
ER		0								╂───╂			
ម្រី		2.											
		3.										·	
		4.		,						<del>}</del> +			
										-			
													76.01
	14. 3	Truck:55	620 Van:2531	94 TID: 0349	849					PCB St	art Date	08/2	8/21
		ERG #17	1 In the even	nt of an RQ Release	, call 1-80	0-424-8	3802		lf undeli	verable,	return te	) gene	rator
		Dedicate	d Use Shipmer	ר <u>ז</u> ר					Shipme	ent ID:	7340-08	0018	
	15.	GENERATOR'S/OFFERO marked and labeled/place	R'S CERTIFICATION: 11 rded, and are in all respec	nereby declare that the contents of t its in proper condition for transport a	this consignment according to appli	are fully and cable interna	accurately des tional and natio	scribed above onal governme	by the proper sl intal regulations	hipping name, . If export ship	and are classifi ment and I am	ed, packa the Prima	ged, ry
		Exporter, I certify that the of I certify that the waste min	contents of this consignme imization statement identi	ent conform to the terms of the attac fied in 40 CFR 262.27(a) (if I am a I	hed EPA Acknow arge quantity gen	ledgment of ( erator) or (b)	Consent. (if I am a smai	I quantity gen	erator) is true.				
	Gen	erator's/Offeror's Printed/Ty	ped Name		Sig	nature	110				Month	Day	Year
V	B	lalle Clear	y on Be	half of FRNP	6	<u>slakt</u>	$\mathcal{M}$	<u>WY</u>	-		0	25	28
1-1-1	16. I	nternational Snipments	Import to U.S.	l	Export from U	J.S.	Port of ent	ryiexit:					
R	17, T	Fransporter Acknowledgmen	t of Receipt of Materials					.9 0.0.					<u> </u>
RTE	Trap	sporter 1 Printed/Typed Na	×	ΛαΛ	Sig	nature 5	7 4	$\wedge$	-		Month	Day	Year
SPC	Tran	sporter 2 Printed/Typed Na		195	Sig	$\frac{WC}{M}$	N	_k_}			Month	Day	Year
RA	11011		/	~	0.g	naturo							
	18. E	Discrepancy		· · · · · · · · · · · · · · · · · · ·									
	18a.	Discrepancy Indication Spa	ace 🗌 Quantity	Туре			Residue		Partial Re	jection		Full Rejec	tion
						M		N					
¦≿	18b.	Alternate Facility (or Gener	rator)			Manin	est Reference	Number:	U.S. EPA ID	Number			
딩													
D FA	Facil	lity's Phone:	liby (on Operation)								Month	Dav	Voar
ATEI	180.	Signature of Alternate Faci	ity (or Generator)								WOTU	l	
<b>IGN</b>	19. H	Hazardous Waste Report M	anagement Method Code	s (i.e., codes for hazardous waste tr	eatment, disposa	l, and recycli	ng systems)				l		J
Ш	1.		2,		3.				. 4.				
		2	- 0	6		last current	n nded in It-	180					
	20, E Print	Designated Facility Owner of ed/Typed Name	r Uperator: Certification o	r receipt of hazardous materials cov	vered by the mani Sig	iest except a nature	is naed in Item	188			Month	Day	Year
↓												L	
EP	A Forr	m 8700-22 (Rev. 12-17)	Previous editions are	obsolete.	A-	5	DES	IGNATED	FACILITY	TO EPA'	s e-MANIF	EST S	YSTEM

### Manifest Number: 019695353JJK

### Shipment ID Number: 7340-08-0018

### Shipment Date: 1/25/2022

UHWM Section	RFD	Container / WASTE ID	Barcode	. Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (Ib)	Gross Wt (Kg)	NET WT (lb)	NET Wt (Kg)
9b.1	122235	122235-04	PAD21C47575	EPOXY PAINT CHIPS	-08/20/21-	80	1519	689	483	219
		Totals	1	0	08-30-	ନ୍ଦି। <sup>80</sup>	1519	689	483	219

BC 04-11-23

Ple	ease p	print or type.						Forn	1 Approved	I. OMB No.	2050-003
Î	UN	IIFORM HAZARDOUS 1. Generator ID Number WASTE MANIFEST KY 8890008982	2. Page 1 of 2	3. Emergen 1–27	cy Respons D-441-1	e Phone 5333	4. Manifest	Tracking N	9536	58 <b>J</b>	JK
	5, 6	Generator's Name and Mailing Address	(	Generator's	Site Address	s (if different th	nan mailing addre	ess)			
		Four Rivers Nuclear Partnership, LLC, (FRNP) on behalf of FRN 5511 Hobbs Road, Kevil, KY 42053	9	FRNF Paduc	' on beh ah Gas	alf of the eous Diff	FRNP usion Plant				
	Gen 6. T	ransporter 1 Company Name		5511	Hobbs F	Rd, Kevil,	KY 42053	Number			
		Interstate Ventures, Inc.					1 -	INROOD	03467	R	
	7. T	ransporter 2 Company Name			0		U.S. EPA ID	Number			
	8. D	esignated Facility Name and Site Address					U.S. EPA ID	Number			
		0009 Most State Viebway 178 Apdrove TV 20214									
		1-432-535-8500						rxmapa	000/8/	1	
	Faci	Ulity's Phone:		1	40.0.1				000404	+	
	9a. HM	and Packing Group (if any))			10. Contai No.	ners Type	11. Total Quantity	12. Unit Wt./Vol.	13.	Waste Code	\$
ERATOR	RC	<ul> <li>UN 3077, Environmentally hazardous substance, solid, n.</li> <li>(PCB), 9, PG III, WP-9519</li> </ul>	.0.5.,		3	ва	16788	KI	OL	TS397	1
GEN		2.									
		3.									
		4- Four Rivers Nuclear Partnership, LLC (HRNP) and the U.S. Department of Energy (DIOE) and FRNP is responsible for performing all Resource Conservation and Recovery Act (RCRA) g EM00048955, including, but not limited to, characterizing waste, manifesting waste to off with RCRA requirements. Transportation hereunder is for DOE and the actual total transport.	e co-generators enerator activi -site facilities, p portation charg	s pursuant to ties on beha packaging an ges paid are	a Co-Gener If of both FR d labeling w to be reimbu	ator agreemen NP and DOE for raste for transp ursed by the G	nt dated Septemb or all activities un port, and storing a overnment pursu	er 13, 2017. U der the scope and managing ant to Contra	of FRNP's Co waste, in ac t DE-EMDOO	reement, intract DE- cordance 4895,	
	14.8	Special Handling Instructions and Additional Information	cumulatio	n Start I	Date: N	ш. I/A	F	CB Star	t Date:	08/27	7/04
		ERG#171 In the event of an RQ Release, call 1-	800-424	-8802			If undeliv	erable,	return	to gene	erator
		See PCB Attachment for Additional Info					Shipmer	nt ID: V	VP-951	9-03	
	15.	GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this co marked and labeled/placarded, and are in all respects in proper condition for transport accord Exporter, I certify that the contents of this consignment conform to the terms of the attached E Lertify that the waste minimization statement identified in 40 CER 262 27(a) if I am a large	Insignment are ling to applicat PA Acknowled	e fully and ac ble internatio Igment of Co ator) or (b) (i	curately des nal and nationsent.	scribed above onal governme	by the proper shi ental regulations.	ipping name, If export ship	and are clas ment and I a	sified, packa am the Prima	ged, ry
	Gene	notor's/Offeror's Printed/Typed Name	Signal	tu) .	/				Mon	th Day	Year
¥	K	egina Pea	1 CE	egin	ar	la			10	4107	122
1.1	16. In	Iter/ational Shipments Import to U.S.	xport from U.S	0	Port of ent	ry/exit:					
S IN	Trans	sporter signature (for exports only):			Date leavin	ng U.S.:					
RTEF	Traps	corter 1 Printed/Typed Name	Signal	ure		1			Mont	h Dav	Year
POF	K	AYMORIC LORNIE	16	um	elle	an	.0		100	4107	122
ANS	Tans	porter 2 Printed/Typed Name	Signat	lure					Mon	h Day	Year
H.	10.0										
Î	18. U			[]							
	104.1			Manifest	sidue	Number	Partial Reje	ction	L	Full Rejec	tion
CILITY	18b. A	Alternate Facility (or Generator)		mannoo			U.S. EPA ID N	umber			
FA	Facilit	y's Phone:									
NATED	18c. S	Signature of Alternate Facility (or Generator)							Mon	th Day	Year
SIGI	19. Ha	azardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatme	nt, disposal, a	nd recycling	systems)						
B	1.	H132 <sup>2</sup>	3.				4.				
	20. De	esignated Facility Owner or Operator: Certification of receipt of hazardous materials covered b	y the manifest	t except as n	cted in Item	18a					
	Printe	d/ lyped Name	Signati	ure	51	1.1			Mont	h Day	Year
* EPA	Form	8700-22 (Rev. 12-17) Previous editions are obsolete		0	DEP	CNATED	EACILITY	O EDAL	4	12	22
		, , , , , , , , , , , , , , , , , , , ,			DEGI	SIMIED	TAULIT	U EPA'S	e-MAN	FEDI S	SIEM

Manifest Number: 019695368JJK

Shipment ID Number: WP-9519-03

# Shipment Date: 4/7/2022

UHWM Section	RFD	Container / WASTE ID	Barcode	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (Ib)	Gross Wt (Kg)	NET WT	Net Wt (Kg)
9b.1	106744	106744-01	PAD22C50271	DAMAGED, DISCONNECTED, DE- ENERGIZED, AND DRAINED PCB TRANSFORMER B983126. FORMERLY STAGE AT C-337 U2C3 "B" LOCATION.	06/27/04	1971	34500. 2 1966	<i>vr_4</i> <del>15649</del> 99[63.[g]	2622 34457- Z1966	- <del>15629</del> 99(a3.61
9b.1	106744	106744-04	PAD21C47844	DAMAGED, DISCONNECTED, DE- ENERGIZED, AND DRAINED PCB TRANSFORMER B983126. FORMERLY STAGE AT C-337 U2C3 "B" LOCATION.	06/27/04	50	1340	608	1286	583
9b.1	106744	106744-05	PAD21C48255	DAMAGED, DISCONNECTED, DE- ENERGIZED, AND DRAINED PCB TRANSFORMER B983126. FORMERLY STAGE AT C-337 U2C3 "B" LOCATION.	06/27/04	50	1322	600	1268	575
	· · · ····	Totals	3			2071	37162	16856	37011	16788

Ple	ase pri	int or type.							Form	n Approved. OME	3 No. 2050-003
Î		FORM HAZARDOUS ASTE MANIFEST	1. Generator ID Number KY 889	0008982	2. Page 1 of 2	3. Emergency Respor 1-270-441-(	se Phone 3333	4. Manifes	Tracking N	umber 35369	JJK
	5. Ge	nerator's Name and Mailir Four Rivers Mucles	ng Address ar Partnership, LLC, (FR) ad Kanal IIX (1996)	VP) on behalf of FRN	IP	Generator's Site Addre	ss (if different alf of the	than mailing addre	988)		
	Gene	1011 HOBOS KOa rator's Phone:	270-441-5025			Paducah Gas 5511 Hobbs R	eous Diffu Id, Kevil, I	usion Plant KY 42053	N		
	0. 114	Interstate Vent	ures, Inc.					0.3. EPAID	NR000	034678	
	7. Tra	nsporter 2 Company Nam	ie					U.S. EPA ID	Number		
	8. Des	signated Facility Name and	4 Site Address Vaste TSD				e e	U.S. EPA ID	Number		
	E 111	9998 West Sta 1-432	te Highway 176, An 2-535-8500	drews, TX 79714	ł			I T	XD9880	)88464	
	Facilit	9h U.S. DOT Description	on (including Proper Shipping Nam	e. Hazard Class. ID Number		10 Cont	liners	44 7-14			
	HM	and Packing Group (if a	iny))	of Hazara blass, ib Hamber,		No.	Туре	Quantity	Wt./Vol.	13. Waste	Codes
VATOR -	RQ	<sup>1.</sup> UN 3077, Envi (PCB), 9, PG I	ronmentally hazardous 11, WP-9519	substance, solid, n	.0.5.,	2	BA	16938	ĸ	OUTS3	97.
ENER	99	2.									
0	STA	22-									-
		3.									
		4. Four Rivers Nuclear FRNP is responsible	Partnership, LLC (FRNP) and the U	S. Department of Energy (DO	E) are co-generat	ors pursuant to a Co-Ge	nerator agree	ment dated Septer	nber 13, 2017	7. Under this agreen	ient,
		EM0004895, includit with RCRA requirem	ng, but not limited to, characterizin rents. Transportation hereunder is	ig waste, manifesting waste to for DOE and the actual total t	o off-site facilitie	s, packaging and labelin arges paid are to be rei	ig waste for tr mbursed by th	ansport, and storir	ig and manag	ing waste, in accord	ance
	14. Sp	ecial Handling Instructions	s and Additional Information	0349449	1			1			
	F	FUCK: 34920	the event of an RC	RP 5/5/22 AC	cumulation	i Start Date: N	/A	PC	:8 Start	Date: 06/	27/04
	- L - S	See PCR Attack	hment for Additiona	l Release, call 1- L Info	-800-424-	0802		Chiaman	rable, r	return to ge	nerator
	15. G	ENERATOR'S/OFFEROF	R'S CERTIFICATION: I hereby de	clare that the contents of this	consignment are	e fully and accurately d	escribed above	e by the proper sh	ipping name,	and are classified,	packaged,
	E I	narked and labeled/placard xporter, I certify that the co certify that the waste minir	ted, and are in all respects in prop ontents of this consignment confor mization statement identified in 40	er condition for transport acco m to the terms of the attached CFR 262.27(a) (if I am a large	ording to applical I EPA Acknowled e quantity gener;	ble international and na Igment of Consent. મુ <del>હ</del> ્યૂ or (b) (if I am a sm	tional governn all quantity ge	nental regulations. nerator) is true.	If export ship	oment and I am the	Primary
÷	Rei	ator's/Offeror's Provied/Typ	on behalf a	O FRUP	Sigra	eaina	fen			Month	Day Year 5 22
E	16. The	mational Shipments	Import to U.S.		Export from U.S	. O Port of e	ntry/exit:				
R.	17. Trai	nsporter Acknowledgment	of Receipt of Materials			Date leav	ing 0.5.:				
ORTE	Transpo	orter 1 Printed/Typed Nam	e / /		Signal	ure				Month	Day Year
VSPC	Transpo	printed/Typed Nam	arthe		Signal	hare te				- S	5 22
TRA											
Ť	18. Disc	crepancy	A	ECEN						!!	
	18a. Dis	screpancy Indication Spac	e 🗌 Quantity			Residue		Partial Reje	ction	🗌 Full	Rejection
Ł	18b. Alt	ernate Facility (or Generat	tor)		<u> </u>	Manifest Reference	e Number:	U.S. EPA ID N	umber		
ACIL			B	1: OVA							
	Facility's 18c. Sig	s Phone: Inature of Alternate Facility	y (or Generator)	10						Month	Dav Year
NAT											
ESIG	19. Haz	ardous Waste Report Man	agement Method Codes (i.e., cod	es for hazardous waste treatr	nent, disposal, a	nd recycling systems)		1.		L	
	" <del> </del>	+15L	2.		3.			4.			
	20. Desi	ignated Facility Owner or (	Operator: Certification of receipt of	hazardous materials covered	d by the manifes	temept as noted in Ity	18a	I			
	Printed/	Type ame	haht		Signat	ury	t	ist t	-	Manua	ay Year
Y		100 00/17 10 17				Ind	and a		0.5941		L

# Manifest Number: 019695369JJK

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# Shipment ID Number: WP-9519-04

Shipment Date: 5/5/2022

UHWM Section	RFD	Container / WASTE ID	Barcode	Description	PCB Date to Storage	NET VOLUME	GROSS WT	Gross Wt	NET WT	Net Wt
9b.1	107839	107839-01	TMP107839-01	DAMAGED, DISCONNECTED, DE- ENERGIZED, AND DRAINED PCB TRANSFORMER RHL-0610. FORMERLY STAGED AT C-337 U2C8 "B" LOCATION	06/27/04	463	36700	16647	36700	16647
9b.1	107839	107839-02	PAD21C48262	DAMAGED, DISCONNECTED, DE- ENERGIZED, AND DRAINED PCB TRANSFORMER RHL-0610. FORMERLY STAGED AT C-337 U2C8 "B" LOCATION	06/27/04	90	678	308	643	292
		Totale	9				and the line of the			
		Totals	2			553	37378	16954	37343	16938

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.

A-10

ase print or type.								Form A	pproved. O	MB No. 20	)50-003
UNIFORM HAZARDOUS	1. Generator ID Number KY 88900	08982	2. Page 1 of 2	3. Emer	-270-441	Phone -6333	4. Manifest	QCQ	5/11 ·	1.1.1	K
5. Generator's Name and Malli	ng Address			Generato	's Site Address	(if different that	n mailing addres	<u>5000</u>	<u>, 141</u>		1
Four Rivers Nuc 5511 Hobbs Ri Generator's Phone:	lear Partnership, LLC, (FRNP) oad, Kevil, KY 42053 270-441-5025	on behalf of FRI	NP I	FR Pa 55	NP on beh lucah Gas 1 Hobbs F	alf of the eous Diff Rd, Kevil,	FRNP Jsion Plant KY 42053				
6. Transporter 1 Company Nar	ne						U.S. EPA ID I	Vumber	100 407		
Interstate Ve	ntures, Inc.						US EPAIDA	INRUU	003467	8	
7. Transporter 2 Company Na	le							AUTIOCI			
8. Designated Facility Name a	d Site Address	Waste Treat	ment Fa	rility			U.S. EPAID I	Number			
US I-80 Exit	49, Clive, UT 84029										
Facilité Phone: 1-43	5-884-0155						1	UTD98	259889	В	
ga.         9b. U.S. DOT Descript           HM         and Packing Group (if	ion (including Proper Shipping Name, Haz any))	ard Class, ID Number,			10. Contain No.	ners Type	11. Total Quantity	12. Unit Wt./Vol.	13. Wa	ste Codes	
RG 9, PGIII	vironmentally hazardous sul	ostance, solid, n	1.0.s., (PC	:B),	2	DM	95	ĸ		i	
2.											
3.											
Four Rivers Nuclear Pau FRNP is responsible for EMC004855, including, with RCRA requiremen	tnership, LLC (FRNP) and the U.S. Departm performing all Resource Conservation and but not limited to, characterizing waste, m 2. Transportation hereunder is for DOE and	ent of Energy (DOE) are Recovery Act (RCRA) ge anifesting waste to off-s	co-generators nerator activiti site facilities, pr	pursuant i les on bah ackaging a	o a Co-Generato lif of both FRNP nd labeling wast	and DOE for al	ated September I activities under , and storing and	13, 2017. Under the scope of FR managing wast	this agreeme NP's Contrac te, in accorda	nt, t DE-; nce	
14. Special Handling Instructio	ns and Additional Information			1				L			
Truck: 5P1	Trailer 53007 TID:		Accumu	lation :	start Date:	MA	PG	B Start Da	te:	09/01	1/21
See Attachm	ent for Additional Info	212352, Call 1-	-000-424	-0002			Shinm	ant ID: 0	760.00	non4	ierat
<ol> <li>GENERATOR'S/OFFER( marked and labeled/placa Exporter, I certify that the I certify that the waste min</li> </ol>	DR'S CERTIFICATION: I hereby declare vrded, and are in all respects in proper cor contents of this consignment conform to the nimization statement identified in 40 CFR 3	hat the contents of this dition for transport acco ne terms of the attached 262.27(a) (if I am a large	consignment a ording to applic d EPA Acknowl e quantity gene	are fully an cable inter degment erator) or	d accurately de national and nati of Consent. b) (if I am a sma	scribed above ional governme all quantity gen	by the proper sh ental regulations, erator) is true.	lipping name, ar If export shipm	nd are classifient and I am	ied, packag the Primary	ed, /
Generator's/Offeror's Printed/T	pp Name Pea		Sigr	nature	zira	Pea	/		Month	B 17	Year 22
16. International Shipments	Import to U.S.		Export from U	J.S. 🗸	Port of en	try/exit					
17. Transporter Acknowledgme	nt of Receipt of Materials				Date icavi	ng 0.6.	•				(
Transporter Printed/Typed Na	m D L		Sigr	nature C	2				Month	Day	Year
Transporter 2 Printed (Typed W	1 pary		Sin		$\bigtriangleup$				Month	Day	Vear
nonsponer z r ninew ()ped ne				,							
18. Discrepancy						A					
18a. Discrepancy Indication Sp	ace 🗌 Quantity	Туре			Residue		Partial Rej	ection		Full Reject	tion
18b. Alternate Facility (or Gene	ralor)	M	MD	12			U.S. EPAID	Number			
Facility's Phone: 18c. Signature of Alternate Fac	ility (or Generator)	BY:	AN			-			Mont	n Day	Year
19. Hazardous Waste Report N	lanagement Method Codes (i.e., codes fo	r hazardous waste treat	lment, disposa	l, and recy	cling systems)						
1. H132	2.		3.				4.				
20. Designated Facility Owner Printed/Typed Name	or Operator: Certification of receipt of haz	ardous materials covere	ed by the mani Sio	fest excep nature	t as noted in Iter	n 18a			Month	Day	Year
Albert	Ems		·	6	and	h	w		3	2)	2
Form 8700-22 (Rev. 12-17	Previous editions are obsolete.		A-11	1	DES	IGNATED	FACILITY	TO EPA's	e-MANI	EST S	STE

Manifest Number: 019695411JJK

# Shipment ID Number: 9750-90-0001

Shipment Date: 3/17/2022

UHWM Section	RFD .	Container / WASTE ID	Barcode	Description	Date to Storage	NET VOLUME (ft3)	GROSS WT (Ib)	Gross Wt (Kg)	NET WT (Ib)	Net Wt (Kg)
9b.1	122430	122430-01	PAD21C47861	CAPACITORS CONTAINING PCB OIL (AS FREE LIQUIDS)	09/01/21	1.34	186	84	130	59
9b.1	122430	122430-02	PAD21C47862	CAPACITORS CONTAINING PCB OIL (AS FREE LIQUIDS)	09/01/21	1.34	135	61	79	36
		Totals	2			2.7	321	146	209	95

A-12

Plea	ase pri	int or type.							s .	Form	Approved. O	MB No. 2	050-003
1	UNI	FORM HAZARDOUS	1. Generator ID Number	300000	2. Page 1 of	3. Emerg	gency Respons	e Phone	4. Manifest	Tracking Nu	5/10	3 11	K
	5. Ge	anerator's Name and Mailin	ng Address	100802	2	Generato	s Site Addres	s (if different th	an mailing addre	ss)			
		Four Riv	ers Nuclear Partnership, L	LC, (FRIN	Pjon	Padu	- on bena nah Gase	n of the C ous Diffu	sion Plant	nencore	cuergy		
		Denair of	be Road Kevil KY 4205	a a a a a a a a a a a a a a a a a a a	1	5511	Hobbs R	i, Kevil, K	Y 42053				
1	6. Tra	ansporter 1 Company Nam	18					20 00	U.S. EPAID	Number			
		Interstat	e Ventures, Inc.							7	INR0000	23390	с
	7. Tra	ansporter 2 Company Nar	10						U.S. EPA ID	Number			
	8. De	signated Facility Name an	d Site Address	n 14 (noten T					U.S. EPAID	Number			
		Energya	olotiona cuive cieboaal oit	e-vvasre i	reatmen	n				i.	JTD9825	98898	
	E-all	1 20111	-435-884-0155						ï				
	Pacili	9b. U.S. DOT Descripti	on (including Proper Shipping Name, Hazard (	Class, ID Number,			10. Conta	iners	11. Total	12 Unit			
	HM	and Packing Group (if a	any))				No.	Турө	Quantity	Wt./Vol.	13. Wa	ste Codes	
- NO		1. UN 2912,	Waste Radioactive material, In	ow specific :	schivity (LS	5A-I),							
RATC	RQ	MBa, Fiss	ile Excepted	88, TTE250,	3010000	de, up	5	DM	335	K			
ENE		2.	i.		•			1					
0													
		3.											
		l										+	
		Four Rivers Nuclear Parts FRNP is responsible for pi	iership, LLC (FRNP) and the U.S. Department of erforming all Resource Conservation and Reco	f Energy (DOE) are very Act (RCRA) ge	co-generators	es on beha	f of both FRNP	and DOE for a	ill activities under	the scope of	FRNP's Contract	DE-	
		with RCRA requirements.	It not limited to, characterizing waste, manifes Transportation hereunder is for DOB and the	sting waste to off-: actual total transp	site facilities, produced and the second secon	ackaging an	to be reimburs	ed by the Gove	ernment pursuant	to Contract I	DE-EM0004895.		
	14. S	pecial Handling Instruction	PI Van: 53007 TID: 03	49798						PCB St	art Date:	11/0	2/21
		ERG #1	62 In the event of an R(	Release	, call 1-8	00-424	1-8802		If undel	iverable	e, return t	o gene	erato
		Exclusiv	e Use Shipment, See PCE	3 Attachme	ent for Ad	dition	al Info		Shipme	ent ID:	9750-09	0025	
	15.	GENERATOR'S/OFFERO marked and labeled/placa	IR'S CERTIFICATION: I hereby declare that i rded, and are in all respects in proper condition	the contents of this in for transport acc	s consignment cording to appli	are fully an cable inter	nd accurately d national and na	escribed abov tional governn	e by the proper sl nental regulations	hipping name . If export shi	, and are classif pment and I am	ied, packe the Prima	ged, ry
		Exporter, I certify that the I certify that the waste min	contents of this consignment conform to the te imization statement identified in 40 CFR 262.	erms of the attache 27(a) (if I am a lar	ed EPA Acknow ge quantity ger	ledgment ( lerator) or	of Consent. (b) (if I am a sm	all quantity ge	nerator) is true.				
	Gene	rator's/Offeror's Printed/Ty	rped Name	1. en.	1.0 Sig	nature	AD AL	10	٨		Month	Day	Year
+	16.10	Chelt 7.2	taik on behalt of	PICN	1. 1	91	yhall.	1 JUL	am		3	111	12
INT	Trans	sporter signature (for expo	Import to U.S.	L	Export from	J.S.	Port of e Date leav	ntry/exit: /ing U.S.:					
읪	17. Tr	ransporter Acknowledgmen	t of Receipt of Materials										
ORT	Trans	poster 1 Printed/Typen Na	Bitz		Sig	COLUCE	15				Month		Year
NSP	Trans	sporter 2 Printed/Typed Na	me		Sig	nature					Month	Day	Year
TR													
1	18. D	liscrepancy					FR					1	
	108.1	Discrepancy indication Spa	ace [] Quantity	Туре			Residue		Partial Re	jectlon		Full Reject	noit
1				K MAA	D 2 2	200	fest Reference	e Number:					
Ē	18b. Alternate Facility (or Generator)									Number			
FAC	Facili	ity's Phone:			AN				1				
田	18c. \$	Signature of Alternate Faci	lity (or Generator)	BY:	W					. *	Month	Day	Yea
GNA	10 14	Invertous Wasta Papart N	instantial Nothed Codes (I.e. codes for her	rardour wasta tra	atmost dispose	and race	ding sustame		·				1
DESI	1.	IL	2.	Laidous waste liea	aunent, oisposa 3.	and rec)	only systems)		4.		·····		
1		M32											
	20. D Printe	esignated Facility Owner of ed/Typed Name	or Operator: Certification of receipt of hazardo	us materials cover	red by the man Sid	ifest excep Inature	t as noted in Ite	im 18a			Month	Day	Year
ļ		Amart	Eurs			R	A	how	~		3	21	122
EP/	Form	n 8700-22 (Rev. 12-17)	Previous editions are obsolete.		Δ_1	3	DE	SIGNATE	D FACILITY	TO EPA	's e-MANII	EST S	YSTE

# Manifest Number: 019695416 JJK

# Shipment ID Number: 9750-09-0025

Shipment Date: 3/17/2022

UHWM Section	RFD	Container / WASTE ID	Barcode	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (Ib)	Gross Wt (Kg)	NET WT (Ib)	NET Wt (Kg)	Maximum Activity MBq
9b.1	122253	122253-06	PAD21C47550	Vent Duct Trough Cleanup Debris	11/02/21	7.2	136	62	80	36	7
9b.1	122253	122253-07	PAD21C48302	Vent Duct Trough Cleanup Debris	12/20/21	7.3	156	71	100	45	9
9b.1	122623	122623-01	PAD22C50118	Vent Duct Trough Cleanup Debris	01/23/22	7.3	504	229	448	203	40
9b.1	122623	122623-02	PAD22C50119	Vent Duct Trough Cleanup Debris	01/23/22	7.2	127	58	70	32	6
9b.1	122623	122623-04	PAD22C50121	Vent Duct Trough Cleanup Debris	01/25/22	7.2	97	44	41	19	4
		Totals	5			36.2	1020	463	739	335	66

ease print or type.						Form A	Approved. OMB	No. 2050-003
WASTE MANIFEST	0 Number KY 8890008982	2. Page 1 of 2	3. Emergency R 1-	esponse Phone 270-441-83	4. Manifes	t Tracking Nun 1969	5420	JJK
5. Generator's Name and Mailing Address Four Rivers Nucl behalf of the U.S Generator's Phone:	ear Partnership, LLC, (FR . Department of Energy 9, Kevil, KY 42053	NP) an	GRAND Sin Paducah ( 5511 Hobi	behalf of the Jaseous Diff Jaseous Rd, Kevil,	U.S. Depart usion Plant, KY 42053	ment of E	hergy	
6. Transporter 1 Company Name					U.S. EPA ID	Number		
7. Transporter 2 Company Name	25, 100.				U.S. EPA ID	Number	<u>INR00003</u>	4678
8. Designated Facility Name and Site Address					U.S. EPA ID	Number		
EnergySolutions US I-80 Exit 49, 0	Clive Disposal Site-Bulk V Clive, UT 84029	Vaste Faci	lity			ı	JTD98259	8898
ga.         9b. U.S. DOT Description (including Printing Group (if any))	-1155 oper Shipping Name, Hazard Class, ID Numb	er,	10 No	Containers	11. Total Quantity	12. Unit Wt./Vol.	13. Wasle	Codes
UN 3077, Enviror	mentally hazardous subst	ances, sol	id,			-		
2 n.o.s., (PCB, Asb	estos), 9, PG III		1	CM	170	<u> </u>		
Ы.								
3.								
4.								
÷			4					
Exclusive Use Sh 15. GENERATOR'S/OFFEROR'S CERTIFIC/ marked and labeled/plecarded, and are in Exporter, I certify that the contents of this I certify that the waste minimization statem Generator's/Offeror's Printed/Typed Name	pment, See PCB Attachm ITION: I hereby declare that the contents of I all respects in proper condition for transport a onsignment conform to the terms of the attace entidentified in 40 CFR 262.27(a) (If I am all when LF, of FRNP	ent for Ac his consignment a according to applic hed EPAAcknowl arge quantity gen Sig	ditional In are fully and accur cable international ledgment of Conse erator) or (b) (if I an nature	D ately described abo and national govern nt. n a small quantity g	Shipm we by the proper s mental regulations penerator) is true.	ent ID: hipping name, a s. If export shipn	7340-08-00 Ind are classified, j nent and I am the Month	Day Year
16. International Shipments			stall (	laur			03 1	7 222
Transporter signature (for exports only):	rt to U.S.	] Export from U	J.S. Po Da	ort of entry/exit: te leaving U.S.:				
17. Transporter Acknowledgment of Receipt of M Transporter Printed/Typed Narre Dowald D.T	alerials ).tz	Sigr	haltere				Month	Day Year
Transporter 2 Printed/Typad Name	/	Sigi	nature				Month 1	Day Year
18. Discrepancy       18a. Discrepancy Indication Space	uantity	-01	Resid	18	Partial Re	ajection	E Full	Rejection
Marifest Reference Number:								
18b. Alternate Facility (or Generator) Facility's Phone:	n n	MAR 2	2 2 202	2	U.S. EPA ID	Number		
18c. Signature of Alternate Facility (or Generato	) BY:_	A	OK				Month	Day Year
19. Hazardous Waste Report Management Mell	lod Codes (i.e., codes for hazardous waste tr	eatment, disposa 3.	I, and recycling sy	items)	4.			
11.06				1	·			
20. Designated Facility Owner or Operator: Cert	fication of receipt of hazardous materials cov	ered by the manif	lest except as nae	d in Item 18a				
20. Designated Facility Owner or Operator: Cert Printed/Typed Name	fication of receipt of hazardous materials cov	ered by the manif Sign	nature				Month	Day Year

### Manifest Number: 019695420JJK

#### Shipment ID Number: 7340-08-0019

### Shipment Date: 3/17/2022

UHWM · Section	RFD	Container / WASTE ID	Barcodo	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (fb)	Gross Wt (Kg)	NET WT (Ib)	NET Wt (Kg)
9b.1	122494	122494-01	PAD21C47951	FLUORESCENT LIGHT FIXTURES, LIGHT BALLASTS AND WIRING, CONTAINER PCB (50-499 PPM) AND ASBESTOS CONTAINING MATERIAL (ACM)	08/19/21	23	1410	640	374	170
		Totals	1			23	1410	640	374	170

Plea	se pri	nt or type.								Form	n Approved.	OMB No.	2050-003
1	UNIF	ORM HAZARDOUS	1. Generalor ID Numbe	r	2. Page 1 c	f 3. Emerg	ency Respons	a Phona	4. Manifest	Tracking N	umber A 2	001	18.
	W	ASTE MANIFEST	KY	8890008982	2		1-270-4	41-6333	101	.90:	1040	10 1	JK
	5. GB	nerator's Name and Mail	ng Address			Generato	rs Sile Adores	s (ir dinerent in	an mailing addre	55)			
	F	our Rivers Nuclear	Partnership, LLC,	(FRNP) on behalf of	FRNP	FRNF	on behal	f of the FF	<b>SNB</b>				
	5	511 Hobbs Road	, Kevil, KY 4205	3		Padud	ah Gased	ous Diffusi	on Plant				
	6. Tra	nsporter 1 Company Nan	10 .			100111		-17671-177	U.S. EPAID	Number			
	1	nterstate Ventu	res, Ino.						1 1	NROOD	034678		
1	7. Tra	nsporter 2 Company Nam	8						U.S. EPA ID	Number			
	8, Das	signated Facility Name on nergySolutions	d Sile Address Clive Dispose	al Site- Waste Tr	reatment Faci	litv			U,S, EPA ID	Number			
	μ	S 1-80 Exit 49,	Clive, UT 840	129									
	Endli	de Phone: 1-435-8	84-0155						1 1		2598898		
	Caulin On	9b. U.S. DOT Descript	on finctuding Proper Shin	oning Name, Hazard Class, II	D Number		10. Confa	Iners	11 Total	12 110#			
	9a. HM	and Packing Group (if	any))	the station in the state of the state	s riunson	ŀ	No.	Туре	Quantity	WI.Nol.	13.1	Wasle Code	s
1		UN2912, Radio	active material, lo	ow specific activity (	(LSA-I), 7, (PCE	Э),							·
B	Q	Am-241, Pu-238	, Pu-239, To-99	, Th-230, Liquid/Ox	ide, 0.468 MB	Į.	1	DM	205	ĸ			
ERA		Fissile Excepted											
GEN		2.			,								
Ĩ													
		3.											
										1			
		4.											
	14 0	actol Handling Jostquellar	and Additional Informa	lion		1				J			
	T"T	ruck: SP1 Tr	aller 53007 TI	D: 0349798	Accumula	tion Sta	t Date: N	1/A	P	CB Start	Date:	10/25/	21
	E	RG # 162, 171	In the event	of an RQ Releas	e, call 1-800-	424-88	02		If undeliv	erable,	return t	to gene	erator
	E	xclusive Use 8	hipment, See	Attachment for A	Additional Info	E.			Shipmen	t ID: 97	50-04-0	011	
	15.	GENERATOR'S/OFFERO	R'S CERTIFICATION: 1	hereby declare that the con	lents of this consignment	t are fully an	d accurately d	escribed above	by the proper s	hipping name	and are clas	sified, pack	aged,
		Exporter, I certify that the	contents of this consignm	nent conform to the terms of	the allached EPA Ackno	wiedgment	of Consent.	nonal governm	ientei regulacons	s. Il export si	ipitent and th	ant die Fin	ιαι <b>γ</b>
	0	certify that the waste min	Imization statement iden	tifled in 40 CFR 262,27(a) (II	I am a large quantity ge	enerator) or (	b) (if I am a sm	nall quantity gai	nerator) is true.		Mar	lh Day	Voar
	Gene	rators (Offeror's Printed/Ty	ped Name	( 1 IC	E ED JP	ignature	110 -	1.1			1 7	· 17.7	172
*	16. In	iernational Shioments	<u>araco</u>	n behall a	TIGNI	ad al	Jun	onte	5		5	- U	16-
Ē	Trans	poder signalure (for expo	Import to U.S		Export from	· U.S.	Port of e	ntry/exit:					
2	17. Tr	ansporter Acknowledgmer	t of Receipt of Materials				Doio iou	ing old.					
RH	Trans	porter 1 Printed/Typed Na	me		S	gnalure					Mon	ilh Day	Year
SPO	S	er Drive	rs Slan	ture on	UHUM	975	2-64	- 001	1 det	-43	-17+2	21	
AN	Trans	porter 2 Printed/Typed Na	mə O		S	Ignature				C	T Mor	ith Day	Year
Ř											l		
1	18. D	screpancy	· · · · · · · · · · · · · · · · · · ·		1		7				r		
	18a. l	Ascrepancy Indication Sp	ace Quantity		Туре	L	Residue		Partial Re	election	l	Full Re	ection
				RF	CE		nitest Releven	e Number					
Ł	18b. A	Alternate Facility (or Gene	ralor)				inest toni enc		U.S. EPA ID	Number			
CIL					MAD 20	2022							
EA (	Facill	y's Phone:			MAR 30	2022							
Ë	18c. S	Signature of Alternate Fac	lity (or Generator)		AAA						Mo	nth Da	y Year
GNA	10.11	and the late to the second		BY:	11th	al and an							
ESI	19. H	azarcous waste Report N	lanagement Method Cod	es (i.e., codes for hazardous	wasio realment, dispo	301, BI(0 (CC)	cang systems)		4.				
0		+132	[ <sup>4</sup> .										
	20. D	esignated Facility Owner	or Operator: Certification	of receipt of hazardous male	erials covered by the ma	nifest excep	t as noted in Ite	em 18a	i				
	Printe	d/Typed Name	. 5			Ignature		1			Mo	nth Day	Year
ţ		All	sent Gun	2		Co	mot	In	r h			3 2	3 22
EP	Form	18700-22 (Rev. 12-17)	Previous editions an	e obsolete.		17	DE	SIGNATE	D FACILITY	TO EP	A's e-MA	VIFEST	SYSTE
					A	-1/							

Manifest Number: 019695436JJK

#### Shipment ID Number: 9750-04-0011

Shipment Date: 3/22/2022

UHWM Section	RFD	Container / WASTE ID	Barcode	Description	Accumulation Start Date	Date To Storage	NET VOLUME	GROSS WT (Ib)	Gross Wt (Kg)	NET WT (Ib)	Net Wt (Kg)	Maximum Activity MBq
9b.1	122252	122252-08	PAD21C47549	Vent Duct Oil and Water	N/A	10/25/21	6.35	509	231	453	205	0.468
		Totals	1				6.4	509	231	453	205	0.468

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ease print or type.				•	1	Ş	E.o.		1.011		
UNIFORM HAZARDOUS	rator ID Number		2. Page 1 of . 3	B. Emergency Respor	Ise Phone	4. Manife	FOI	M Approve	d. OMB N	o. 2050-003	
5 Generalor's Name - 114 Was Adda		10008982	2	1-27	0-441-83	33 0	196	954	46		
FOUR RIVERS N	Judear Partnership	LIC (FRI		enerator's Sile Addres	s,(If dilferent l	nan-mailling addr	ess)	001	TU	IUR_	
behalf of the l	U.S. Department of	f EDoroul	וועי ( -זעי	rraive on deh	all of the l	J.S. Depar	ment of	Energy			
5511 Linhhe F	and Kovil KV And	i chergy		Faoucah Gas	eous Diffu	sion Plant,					
Generator's Phone: OTT FIGURE 1	1080, NEVII, NY 420	103	1	6511 Hobbs R	ld, Kevil, J	(Y 42053					
6. Transporter 1 Company Name							Number				
Specialty Trar	nsport Inc.					1 .	Humbol				
7. Transporter 2 Company Name						LIS EDAID	Number		00011:	247	
							NUMBER				
8. Designated Facility Name and Site Add	Iress						Number				
EnergySolutio	ns Clive Disposal S	Bite-Bulk W	aste Fariliti	.1		0.0. EFAID	Nninnei				
US I-80 Exit 4	9, Clive, UT 84029	ĺ	-ara - aditri	ý						·	
Facility's Phone: 1-435-	884-0155	•				1		UTD9	325989	98	
9a. 9b. U.S. DOT Description (includir	ng Proper Shipping Name, Hazard	Class ID Number		10.0.1			γ······				
HM and Packing Group (if any))		- mool ID Humon	1	10, Conta	ners	11. Total	12. Unit	13.	Waste Code	s	
1. UN 2912, Rad	lioactive material. In	DW specific	activity (1.0	A D	Type	Quantity	Wt./Vol.			· ·	
RQ 7. (PCB. Ashe	stos) Nr-237 Tr.C	30 11 79/ 6									
MRa Ficcila E	waatad		onin, Axide	, 118 1		1578	K t				
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3.											
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14. Special Handling Instructions and Addition Truck: 390 Trai ERG # 182 Ir	onal Information iler: 4864 TID: NA the event of an R(	isive (Jse A	Shipmen	+	Shipme	1 ID :	7340 - PCB Sta	-08-69 art Date:	220 ( DEA	Xe/02	
<ol> <li>Special Handling Instructions and Addition Truck: 390 Trainer and ERG # 182 Ir</li> <li>GENERATORS/OFFERORS CERTIFY marked and labeled/placarded, and are Exporter, I certify that the contents of the longify that the contents of the term.</li> </ol>	onal Information iler: 4864 TID: NA the event of an RC in all respects in proper condition is consignment conform to the ter	A A C Release, A A Release, A Rel	Shipmen call 1-800-c consignmentate in rding to applicable in EPA Acknowledgme	+ 424-8802 Pant Actuality descritemational and nation iternational and nation in of Consent.	Shipned ribed above by	त्ते ID २ If undeliv tra <mark>क्रीक्राडा</mark> ल	PCB Sta PCB Sta erable, allogitatine, a export shipn	-08 - 64 art Date: return Manegass	to gene	Xe/02 H121 BC-01	
<ol> <li>Special Handling Instructions and Addition Truck: 390 Trail</li> <li>ERG # 182 Ir</li> <li>GENERATOR S/OFFEROR'S CERTIFIC marked and labeled/placarded, and are Exporter, I certify that the contents of the I certify that the waste minimization states a second contract of the I certify that the printed/wave Name</li> </ol>	onal Information iler: 4864 TID: NA the event of an RC inthe ev	A A C Release, he contains of this to n for transport accor rms of the attached I t7(a) (if I am a large	Shipmen call 1-800-c consignment ale link rding to applicable in EPA Acknowledgme quantily generator)	+ 424-8802 Vano accurately desconternational and nation int of Consent. or (b) (if I am a small	Shipn-	치 ID 로 If undeliv the public sing al regulations. If for) is true,	7340 - PCB Sta erable, allogitaine, a export shipn	return Return Return Rent and I am	to gene to gene		
14. Special Handling Instructions and Addition Truck: 390 Train ERG # 182 Ir S. GENERATORS/OFFERORS/CERTIF marked and labeled/placarded, and are Exporter, I certify that the contents of the I certify that the waste minimization state Panerator's/Offeror's Printed/Typed Name Blacke Clear Cy 60	onal Information iler. 4864 TID: NA in the event of an RC in the event of an RC in all respects in proper condition is consignment conform to the ter terment identified in 40 CFR 262.2 Deb. (Con FD)	A A C Release, A A Contents of this to a for transport accor trms of the attached I C (a) (if I am a large	Shipmen call 1-800-c consignment aleith rding to applicable in EPA Acknowledgme quantity generator) Signature	+ 424-8802 Vand accurately desc iternational and nation int of Consent. or (b) (ffl am a small 0 0 0 0 0	Shipn-	치 값  : If undeliv the publications. If al regulations. If tor) is true,	7340 - PCB Sta erable, okgilane, a export shipn	-08-63 art Date: return Molte Cass nent and I am	DEA DEA to gene to primar Day	X 0/07 H1/21 Sator BC-04 etc '4~4-22 Year	
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14. Special Handling Instructions and Additi- Truck: 390 Trai         ERG # 182       Ir         ERG # 182       Ir         15. GENERATOR S/OFFERORS CERTIF- marked and labeled/placarded, and are Exporter, I certify that the contents of th I certify that the waste minimization stat         3enerator's/Offeror's Printed/Typed Name         Blacke Cleary on E         6. International Shipments         Im         Transporter signature (for exports only)	onal Information iler: 4864 TID: NA ithe event of an RC ithe event of an RC ithicknow: Thereby declare that it in all respects in proper condition is consignment conform to the ter terment identified in 40 CFR 262.2 CENCIFOF FRN uport to U.S.	A Release, A Release, he contains of this to n for transport accor rms of the attached I t7(a) (if I am a large	Shipmen call 1-800-c consignmentatelish rding to applicable in EPA Acknowledgme quantily generator) Signature   BLG	+ 424-8802 Pand accurately desc ternational and nation int of Consent. or (b) (iff am a small Or (b) (iff am a small Def Clopy Port of entry	Shipn a	치 값 : If undelix If undelix In patters (p) In the pattern (p) In the	PCB Sta PCB Sta erable, algitatine, a export shipn	-08 - 63 art Date: return Month Month	DGA DGA to gene Ass, packag the Primary Day	X 0/02 H 1/24 Post or Post or Post or Vear Year DO	
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14. Special Handling Instructions and Addill         Truck: 390 Trail         ERG # 182 Ir         Colspan="2">ERG # 182 Ir         ERG # 182 Ir         Colspan="2">ERG # 182 Ir         Ir         Colspan="2">ERG # 182 Ir         marked and labeled/placarded, and are         Exporter, I certify that the contents of the I certify that the waste minimization stal         Senerator's/Offeror's Printed/Typed Name         Black Cleary on £         In         Ir         Transporter signature (for exports only):         Transporter 2 Printed/Typed Name         Joscrepancy         3. Discrepancy         3. Discrepancy         Ballity (or Generator)         relitive of Alternate Facility (or Generator)         relitive of Alternate Facility (or Generator)         Teasignature of Alternate Facility (or Generator)	onal Information iller: 4864 TID: NA in the event of an RC is consignment conform to the ter terment identified in 40 CFR 262.2 Detratfor FRN uport to U.S. Materials WWW Quantity thod Codes (i.e., codes for hazard 2. tiffication of receipt of two or days	A Release, A Release, he contents of this to n for transport accon- rms of the attached I (7(a) (if I am a large IP	Shipmen call 1-800-c consignment ateliation rding to applicable in EPA Acknowledgme quantify generator) Signature   Bla Export from U.S. Signature   Signature 	+ 424-8802 Vano activitately desc international and nation int of Consent. or (b) (if I am a small Det leaving Port of entry Date leaving Aug Rus I Residue tanifest Reference Nu	Shipma	The property of the property o	PCB Sta erable, export shipn	-o8 - 64 art Date: return Month 04 Month	Day Day Day Day Day Day Day Day	Xe/02       H1221       Sator       BC0       et;       Year       Year       Year       Year       Year       Year       Year       Year	
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14. Special Handling Instructions and Additi         Truck: 390 Trai         ERG # 182 Ir         marked and labeled/placarded, and are         Exporter, I certify that the contents of the         Icertify that the waste minimization stal         Blackee Cleary on E         Blackee Cleary on E         Inted/Typed Name         Blackee Cleary on E         Inted/Typed Name         Inted/Ity on Generator)       Internate Facility (or Generator)         Inted/Ity Owner or Operator: Cer <t< td=""><td>onal Information       Exclusion         iller: 4864       TID: NA         in the event of an RC       The event of an RC         is consignment conform to the tertement identified in 40 CFR 262.2         Dehatfor FRN         inport to U.S.         Materials         WW         Quantity         ior)         thod Codes (I.e., codes for hazardous r         1     </td></t<> <td>A C Release, he contents of this C n for transport accorr trms of the attached I (if I am a large IP IP I Type dous waste treatment materials covered by</td> <td>Shipmen call 1-800-c consignment are to the roling to applicable in EPA Acknowledgme quantily generator) Signature I BLG Export from U.S. Signature I Signature I nt, disposal, and reco 3. y the manifest excep Signature</td> <td>+         424-8802         Variational and nation of Consent.         or (b) (if I am a small of Consent.         0 (b) (if I am a small of Consent.         0 (b) (if I am a small of Consent.         0 (b) (if I am a small of Consent.         0 (b) (if I am a small of Consent.         0 (b) (if I am a small of Consent.         0 (b) (if I am a small of Consent.         0 (b) (if I am a small of Consent.         0 Port of entry Date leaving         2 Aug Rule         anifest Reference Nu         yoling systems)         ot as noted in Item 18a</td> <td>Shipma</td> <td>nt ID : If undelive the populations, if the populations, if the populations, if tor) is true, Partial Rejection S. EPA ID Numit 4.</td> <td>PCB Stz erable, skport shipn</td> <td>Month</td> <td>Day Day Day Day Day Day Day Day Day Day</td> <td>Xe/02       H1221       Sator       Sator       Year       Year</td>	onal Information       Exclusion         iller: 4864       TID: NA         in the event of an RC       The event of an RC         is consignment conform to the tertement identified in 40 CFR 262.2         Dehatfor FRN         inport to U.S.         Materials         WW         Quantity         ior)         thod Codes (I.e., codes for hazardous r         1	A C Release, he contents of this C n for transport accorr trms of the attached I (if I am a large IP IP I Type dous waste treatment materials covered by	Shipmen call 1-800-c consignment are to the roling to applicable in EPA Acknowledgme quantily generator) Signature I BLG Export from U.S. Signature I Signature I nt, disposal, and reco 3. y the manifest excep Signature	+         424-8802         Variational and nation of Consent.         or (b) (if I am a small of Consent.         0 (b) (if I am a small of Consent.         0 (b) (if I am a small of Consent.         0 (b) (if I am a small of Consent.         0 (b) (if I am a small of Consent.         0 (b) (if I am a small of Consent.         0 (b) (if I am a small of Consent.         0 (b) (if I am a small of Consent.         0 Port of entry Date leaving         2 Aug Rule         anifest Reference Nu         yoling systems)         ot as noted in Item 18a	Shipma	nt ID : If undelive the populations, if the populations, if the populations, if tor) is true, Partial Rejection S. EPA ID Numit 4.	PCB Stz erable, skport shipn	Month	Day Day Day Day Day Day Day Day Day Day	Xe/02       H1221       Sator       Sator       Year       Year	

# Manifest Number: 019695446JJK

Shipment ID Number: 7340-08-0020

Shipment Date: 4/12/2022

UHWM Section	RFD	Container / WASTE ID	Barcode	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	NET WT (lb)	NET Wt (Kg)
9b.1	122431	122431-02	PAD21C47420	C-333 UNIT 5 CELLS 1-10, UNIT 6 CELLS 1-10 AND PCB/ASBESTOS WASTE - THIS MATERIAL WAS REPACKED INTO THIS CONTAINER (122431-02)	 <i>Ole 10 2 [</i> ]	- 600 21	10980	4980	3480	1578
		Totals	1	Be	04-1	600	10980	4980	3480	1578
						1-02				

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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.

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Ple	ase pr	int or type.					Form	Approved, OM	3 No. 2050-003
	UNI W	FORM HAZARDOUS 1. Generator ID Number IASTE MANIFEST KY 8890008982 2	e 1 of 3. Emer	gency Respons 1-270	= Phone -441-633	4. Manifest	969	5450	JJK
	5. Ge	enerator's Namenul Minership, LLC, (FRNP) or	n <sup>G</sup> FFR	if sin address	ff afferent to	S. Depar	oment of E	ะกอาสง	
		behalf of the U.S.' Department of Energy	Pade	ucah Gase	ous Diffus	ion Plant,		0,	
	Gene	5511 Hobbs Road, Kevil, KY 42053 eralor's Phone:	5511	Hobbs Ro	l, Kevil, K	Y 42053			
	6. Tra	ansporter 1 Company Name				U.S. EPA ID	Number		
	7 10	ansporter 2 Company Name				ILC CONID	lumbar	TNRODOO	11247
							NUTIVE		
	8. Da	asignated Facility Name and Site Address				U.S. EPA ID	Number		
		EnergySolutions Clive Disposal Site-Waste Treat	ment						
	Facili	Facility ity's Phone: 1-435-884-0155				1		UTD98259	38888
	9a.	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number,	. 1	10. Contai	ners	11 Total	12 Unit		
	HM	and Packing Group (if any))		No.	Туре	Quantity	Wt Nol.	13. Waste	Codes
ĕ	R0	1. UN 2012, Radioactive material, low specific activit	ty (LSA-)	).					
RAT		7. (PCB), NP-237, PE-238, PE-239, To-99, Th-230 Solid/Oxido, 7 MBr. Ciastle Curred, J	ן אי	1	DM	28	K		
ENE							+		
0							-		
		3.					<b>├</b> ───-├-		
	L								
		4.	,						
	14. S	pecial Handling Instructions and Additional Information			I				
		ERG # 182 In the event of an RO Release coll	1 000 10	1 0000			PCB Sta	art Date:	05/20/21
		Exclusive Use Shipment, See PCB Attachment for	Addition.	i∾oou∠ al info		If undeh Shinna	verable,	return to	generator
	15.	GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consign	ment are fully ar	id accurately de	scribed above t	by the proper st	lloping name,	and are classified,	packaged,
		Experter, I certify that the contents of this consignment conform to the terms of the attached EPAAct	knowledgment	of Consent.	onai governmei	ntai regularions.	. n export snip	ment and I am the	Pranary
	Gene	rators/Offerors Printed/Typed Name	Signature	(i) (ii) am a sma	n dravath Beye	rator) is true.		Month	Day Year
ļţ	Bl	alle Cleary on behalf OF FRNIP	Black	L UL	al			1041	เล่ เลล
E	16, In	lemational Shipments .1 Import to U.S. Export 1	from U.S.	Port of en	trylexit:				
R	17 Tr	sporter signature (for exports only): ansporter Acknowledoment of Receipt of Materials		Date leavi	ng U.S.:				
RTE	Trans	porter 1 Printed/Type) Name	Signature		1	1		Month	Day Year
SPO		KON KUNKLE	loon	Ki	mll	۶		$ \mathcal{H} $	12 22
RAN	Trans	poner 2 Printeori ypeo Name	Signature					Month	Day Year
F.	18. DI	screpancy	I						
	18a. C	Discrepancy Indication Space	VÆ	Residue		Partial Rei	ection	E Fu	Relaction
		Barrow Carl Barrow I	W/ Barr			,			,
Ιż	18b. A	Nternato Facility (or Generator)	Mai 2022	nifest Reference	Number:	U.S. EPAID N	lumber		
5		ATN 3	4966 :	STREET					
E C	Facilit	ty's Phone:		bø	4			1.0	Davis Vala
ATE	106.0							Monun	Day tear
SIGN	19. Ha	azardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, dis	sposal, and recy	cling systems)					
В	1.	2	3,			4.			
	20. D	TTI 2 C	manifest except	as noted in lien	18a				
	Printe	d/Typed Name	Signature	A .	1.00			Month	Day Year
ΓĮ		Albert Euns	1 U	en X	low			_ 4	15 22
E۲	+ Form	18700-22 (Rev. 12-17) Previous editions are obsolete.	A 01	DES	IGNATED	FACILITY	TO EPA's	s e-MANIFE	ST SYSTEM
		1	4-21						

#### Manifest Number: 019695450JJK

### Shipment ID Number: 9750-90-0002

Shipment Date:	4/12/2022
ompment bate.	

ſ	UHWM Section	RFD ·	Container / WASTE ID	Barcode	Description	PCE Date to Storage	NET VOLUME (R3)	GROSS WT (Ib)	Gross Wt (Kg)	NET WT	NET Wt (Kg)
_	9b.1	122396	122396-01	PAD21C47111	PCB LIGHT BALLASTS/TRANSFORMERS/CAPACITORS/ETC	05/20/21	3.7	93	42	63	29
-			Totals	1			3.7	93	42	63	29

Î	UNIFORM HAZARDOUS 1. Generator ID Number KY 8800008082 2. Page 2 of 3. WASTE MANIFEST	Emergend (129)	03333 034100	4. Manifest	.96	954	53 <b>J</b>	JK
	5. Generator's Name and River Structeer Partnership, LLC, (FRNP) on Gl	HANK on bah	iel(iolitica) ba	Saligpare	sent of I	Energy		
	behalf of the U.S. Department of Energy	Paducah Gas	eous Diffusi	on Plant,				
	6511 Hobbs Road, Kevil, KY 42053	i611 Hobbs k	ta, Kevil, Ki	7 42033				
	Generator's Phone: 6. Transporter 1 Company Name			U.S. EPA ID	Number	******		~~~
	Specialty Transport Inc.			1	т	NR000	011247	
	7. Transporter 2 Company Name			U.S. EPAID I	Number			
	6. De vinset d'author and Circ Address				Number			
	Energy Solutions Clive Disposal Site-Waste Treatment	,		0.3, EFKIDI	NUTIDE			
	Facility				U	)TD982	598898	
	Facility's Phone: 1-435-884-0155							
	9a. 9b. U.S. DOT Description (including Proper Shipping Name, Hezard Class, ID Number,	10. Cor	talners	11. Total	12. Unit	13	Waste Code	s
	HM and Packing Group (if any))	No.	Туре	Quantity	VYL/Vol.		{	1
8	(PCB), Np-237, Pu-238, Pu-239, TC-99, Th-230, Solid/Oxide,	7 1	DM	35	ĸ		ļ	
RA	MBg, Fissile Excepted						;	
	2. NA 3077, Hazardous Waste, Solid, n.o.s., (Cadmium,			80		0006	D008	0010
0	R0 Lead), 9. PG III, (D006, D008)	2		02	<u> </u>	0018		
	NA 3082 Hazardous Waste, Liquid, n.o.s., (Cadmium,				<u>+</u>	0000	0008-	0010-
	RQ Lead), 9, PG III, (D006, D008)	3	DM	450	ĸ	0018		
	to the start car		· · ·			6868-	nana-	
	RU NA 3082, Hazardous Waste, Liquid, n.o.s., (Cadmidin,	1	DM .	109	ĸ	0000	2000	0010
					}			1
	14. Special Handling Instructions and Additional Information				· •			
	Truck:388 Van:7576 TID: 0349489 PC0 Da	te to Storage	e: 01/24/22 /	Accumulat	ion Stan	te Date:	03/0	9122
	ERG #162, 171 In the event of an RQ Release, call	1-800-424-	·B	Chinmon	erable,	retum	to gene 2.0026	1.9101
	Exclusive Use Shipment 15. GENERATOR'S/OFFEROR'S CERTIFICATION: Thereby declare that the contents of this consignment are	fully and accurately	described above	by the proper st	man gnlqqiri	e, and are cl	assified, pack	aged,
	marked and labeled/placarded, and are in all respects in proper condition for transport according to applicab	le international and i ment of Consent.	national governme	intal regulations	. If export sh	ipment and	l am the Prim	ia <i>r</i> y
	I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity genera	tor) or (b) (if I am a s	small quantity gen	erator) is true.		;		
	Generator's/Offeror's Printed/Typed Name BIGUE Close of A a balance IP - P FD ND	1.00	CLOCON			11	νην Day	
+	16. International Shipment	Julie Buda	July			[L	7 1100	1064
INT	Transporter signature (for exports only):	Port o Date le	eaving U.S.:					
ER	17. Transporter Acknowledgment of Receipt of Materials						all Dav	Vana
ORT	Transporter 1 Printed/Typed Name Signat	ne Pro	11-			- MC	4 112	122
NSP	Transporter 2 Printed/Typed Name Signal	UTP DI LIN	41 ·			i M	onth Day	Year
TRA								
Í	18. Discrepancy	<u>- 1                                   </u>	<u>- p</u>					
	18a. Discrepancy Indication Space Quantity Type	Residue		Partial Re	jection		Full Re	ection
1		5 Manifest Refere	ance Number:					
≥	18b. Alternate Facility (or Generator)	Lo V Lo Lo		U.S. EPA ID	Number			
E			M	1				
L C	Facility's Phone:	1		I		16	lonth Da	y Year
ATF								Í
10	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, a	nd recycling system	15)					
E	1. H20 2. H120 3.	417	32	4.	Н	137		
	20. Designated Facility Owner or Operator: Certification of reneint of hazardous materials covered by the manifest	t except as nded in	liem 18a	I		106		
	Printed/Typed Name Signa	eiu	1			. N	onth Day	/ Year
Ţ	Albert Ems	Und.	lim				9 13	
EF	PA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. A-23	D	ESIGNATED	FACILITY	TO EP/	⊲′s e-MA	NIFEST	SYSIEN
					1			

### Additional Information Attachment, Page 2 of 2 Manifest Number: 019695453JJK

Shipment ID Number: 9750-09-0026

Shipment Date: 4/12/2022

UHWM Section	RFD	Container / WASTE ID	Barcode	Description	Accumulation Start Date	PCB/Date to Storage	NET VOLUME (ft3)	GROSS WT (Ib)	Gross Wt (Kg)	NET WT (ib)	NET WŁ (Kg)	Maximum Activity MBq
9b.1	122623	122623-03	PAD22C50120	Vent Duct Trough Cleanup Debris	N/A	01/24/22	7.2	133	60	77	35	7
9b.2	122675	122675-01	PAD22C50563	OIL ABSORBENTS	03/15/22	N/A	7	121	55	65	29	NA
96.2	122675	122675-02	PAD22C50565	OIL ABSORBENTS	03/24/22	N/A	7	129	59	73	33	NA
9b.3	122674	122674-01	PAD22C50561	COMPRESSOR OIL	03/09/22	N/A	7.08	445	202	389	176	NA
9b.3	122674	122674-02	PAD22C50562	COMPRESSOR OIL	03/09/22	N/A	4.68	368	167	312	142	NA
9b.3	122674	122674-03	PAD22C50564	COMPRESSOR OIL	03/24/22	N/A	6.02	348	158	292	132	NA
9b.4	121695	121695-02	PAD19C43595	USED LUBE OIL	03/16/22	N/A	7.4	291	132	241	109	. NA
		Totals	7				46.38	1835	832	1449	667	7

leas	e pri	int or type.						Form	Approved, C	MB No. 2	2050-003
†	UNIA W	FORM HAZARDOUS 1. Generator ID Number ASTE MANIFEST KY 8890008982	age f of 2	3. Emer	gency Respon: 1-270	se Phone )-441-63:	33 0.	1 969	545	5	IK
	5. Ge	inerator's Name and Mailing Address		Generat	ris Sile Addres	is (if different ()	an mailing addre	and of F	norm		9 H W
		behalf of the U.S. Department of Energy		Padu	icah Gase	eous Diffu	sion Plant.		лет ду		
		5511 Hobbs Road, Kevil, KY 42053		5511	Hobbs R	d, Kevil, K	Y 42053				
	Gene 6. Tra	rators Phone: ansporter 1 Company Name					U.S. EPAID	Number			
		Specialty Transport Inc.							TNRODO	01124	7
	7. Tra	ansporter 2 Company Name					U.S. EPA ID	Number			
	8 De	signaled Facility Name and Site Address					US FPAID	Number			
		EnergySolutions Clive Disposal Site-Bulk Waste	Faci	lity							
		US I-80 Exit 49, Clive, UT 84029							UTD982	59889	8
	Facili	ity's Phone: 1-435-884-0155	. <u>.</u>				<u>_</u>	<u>т          т</u>			
	9а. НМ	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		.	10, Conta No	ainers Tuno	11. Total Quantity	12, Unit Wt.Vol.	13. Wa	ste Codes	
ļŀ					10.	1940					
Ĕ		UN 3077, Environmentally hazardous substances	s, sol	id,							
뢼		n.o.s., (PCB), 9; PG III, (PCB)			1	CM	262	K			
뜅		¢									
				·							
		3.									
	,	4.						++			
	,										
	14. 5	Truck: 388 Van: 7576 TID: 0349489						PCB SH	art Date:	441	504
		ERG # 171 In the event of an RQ Release, call	1-8	00-424	1-8802		lf undeli	iverable	return t	111. 0.000	arator
		Exclusive Use Shipment, See PCB Attachment for	or Ad	dition	al Info		Shipm	ent ID:	7340-08	-0024	
	15.	GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this const marked and labeled/placarded, and are in all respects in proper condition for transport according	Ignment to apoli	are fully a cable inter	nd accurately d national and na	lescribed abov ational governm	a by the proper s iental regulations	hipping name, a. If export ship	and are classif ment and I arr	ied, packa i the Prima	ged, ry
		Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA	Acknow	edgment	of Consent. (b) (if am a so	en vilneun lien	eut el (noteren				
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	16. In	ternational Shipments Import to U.S.	ort from U	J.S.	Port of e	entry/exit:					
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E	100, /	raunitate reuny (or Generator)	LU <i>L (</i>	F F	1		U.O. EPAID	nginudi			
FAC	Facili	ity's Phone:			ģ		1				
时	18c. S	Signature of Allemate Facility (or Generator)							Monti	n Day	Year
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Ш.	19. H 1.	lazardous waste Report Management Method Codes (i.e., codes for hazardous waste treatment, 2.	, oisposa 3.	n, and rec	roing systems)		4.				
1		H132									
It	20. D	esignated Facility Owner or Operator: Certification of receipt of hazardous materials covered by	the man	ifest excep	ot as noted in H	em 18a					
	Printe	ad/Typed Name	Sig I	nature 0	4	C			Month L	Day	Year
<b>₩</b>	Form	ALDON DUNS	l	Var		SIGNATE			5 A.MAMI	FESTS	YSTEN
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#### Manifest Number: 019695455JJK

#### Shipment ID Number: 7340-08-0021

### Shipment Date: 4/12/2022

UHWM Section	RFD	Container J WASTE ID	Barcode	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	NET WT (lb)	NET Wt (Kg)
9b.1	122193	122193-08	PAD21C47574	Epoxy paint chips, Vegetation, and ppe	11/15/21	82	. 1614	732	· 578	262
PROVIDE AND ADDRESS OF ADDRESS OF ADDRESS ADDRE		Totals	1			82	1614	732	578	262

ise print or type				E	orm App	roved	OMB No	2050-003
UNIFORM HAZARDOUS 1. Generator ID Number 2. Page 1 of 3. Em	ergency Response	Phone	4. Manifest	racking	g Numbe	r o o		
WASTE MANIFEST K Y 8 8 9 0 0 0 8 9 8 2 2 2 270	Anda Cita Address	677 - A	UZ.	55	31	30	4 1	JK
5. Generators Name and Malling Address Four Rivers Nuclear Partnership 5511 Hobbs, Rd	tor's Site Address	if different th	an mailing addres	s)				
Consisted Phone: 278 441-3925								
6. Transporter 1 Company Name			U.S. EPA ID N	lumber	1			
CAST FAISFORT			COR	00	2000	53	189	4
7. Transporter 2 Company Name			U.S. EPAID N	umber				
8. Designated Facility Name and Site Address	a naganina in Santa indu		U.S. EPA ID N	lumber	3	-		1
1940 N.W. 67th Place							a bare	
Galnesville, FL, 32663 362, 373, 6066			FLO	9.9	8.0	7 1	10:	7.4
Facility's Phone:	10 Contain	ore	44 7-1-1	40.11				_
HM and Packing Group (if any)) Cycon Les	No.	Туре	Quantity	12. 0i Wt./Ve	ol.	13. \	Waste Code	S
X 1. UN 1688 Waste Tudadee; inorganic, solid, n.o.s., (potassium cyanide			0.265	p	A D	003		
RS22-08-008, F264157	001	DM	A00000	KP			1.1	
2. UN2809 Waste Mercury, 8, (6.1), PG III			- 01		D	nna	1111	
A 24- 100	0.0.4	D.L.	0.86	1.1	Copr 1	www.		
A BIA2077 Hazardaugurana calid a b c (0 DC III ( D. Do(1))	001	LIM	MOODIT	KT				
My a totol in nazardous waste solid, n.u.s., s, ro m, (DOO4)		na Ng Sa	0.08		0	004		
Pd	.001.	DM	M99999	KF	9.1			
X 4. NA3077 Hazardous waste solid, n.o.s.; 9, PG III		12.1	10.00	1	(T)	ana	176144	0045
			UINON	- 1	1.00	000	- worr	1010
14. Special Handling Instructions and Additional Informations, ERG# 157 2) 130055-01/ Profile# R ERG# 171 4) 130053-02/ Profile# RS22-07-049, ERG# 171 ** See NRC 1 ** Wool 0.7	0 0 1 S22-08-004, Manifest FRI	DM ERG# ( VP-03 fo	72 3) 1300 r Isotopes 6	53-01 Acti	Profi ivity"	le# R	522-07-	049,
<ul> <li>14. Special Handling Instructions and Additional Informations, ERG# 157 2) 130055-01/ Profile# REG# 171 ** See NRC 1</li> <li>ERG# 171 4) 130053-02/ Profile# RS22-07-049, ERG# 171 ** See NRC 1</li> <li>Celestration (Source Contents) (Sou</li></ul>	0 0 1 S22-08-004, Manifest FRi 0 0,5 0 0,7 and accurately desernational and national and national and national and national and national of the second	DM ERG# ( NP-03 fo provided above onal government I quantity gen	a by the proper shi ental regulations.	53-01 Action PFI pping n If export	Profi	le# R	S22-07- Sified, packa	049, 55 aged, ary
14. Special Handling Instructions and Additional Informations, ERG# 157 2) 130055-01/ Profile# R         ERG# 171 4) 130053-02/ Profile# RS22-07-049, ERG# 171         See NRC         Contraction         Wool         15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable into Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgmer I certify that the waste minimization statement identified in 40 CFR 262,27(a) (if I am a large quantity generator) of Generator's/Offeror's Printed/Typed Name	0 0 1 322-08-004, Manifest FRI 5 0 5 5 01 0.7 and accurately desi ernational and native to of consent. or (b) (if I am a small full am a small full and the small of	DM ERG# ( NP-03 fo cribed above nal governm I quantity get	appendix app	S3-01 Acti PFI pping na If expor	Profi	le# R are clas at and I a	522-07- 5522-07- Siffied, packa am the Prima	049, 55 aged, ary Year
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14. Snecial bandling Instructions and Additional Informations, ERG# 157.2) 130055-01/ Profile# RS22-07-049, ERG# 171         14. Snecial bandling Instructions and Additional Informations, ERG# 157.2) 130055-01/ Profile# RS22-07-049, ERG# 171         15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable into Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) of Generator's/Offeror's Printed/Typed Name         16. International Shipments       Import to U.S.         17. Transporter Acknowledgment of Receipt of Materials       Export from U.S.         Transporter 1 Printed/Typed Name       Signature         CAMERON GANSS       Signature         18. Discrepancy       Import to U.S.         18. Discrepancy       Import to Generator)         18. Discrepancy       Import to U.S.         18. Discrepancy       Import to U.S. <t< td=""><td>0 0 1 322-08-004, Manifest FRi 0 0.5 01 0.7 and accurately des ernational and nation t of Consent. or (b) (if1 am a sma Port of ent Date leavin Residue Annifest Reference cycling systems)</td><td>DM ERG# ( NP-03 for inal government ( quantity generation) ( quantit</td><td>Partial Reje</td><td>S3-01 S3-01 PFI Ppping n II I expor</td><td>ame, and t shipmer</td><td>Ie# R are class are class</td><td>th Day b Id th Day ful Reje</td><td>049, 35 aged, ary Year Year Year Year Year</td></t<>	0 0 1 322-08-004, Manifest FRi 0 0.5 01 0.7 and accurately des ernational and nation t of Consent. or (b) (if1 am a sma Port of ent Date leavin Residue Annifest Reference cycling systems)	DM ERG# ( NP-03 for inal government ( quantity generation) ( quantit	Partial Reje	S3-01 S3-01 PFI Ppping n II I expor	ame, and t shipmer	Ie# R are class	th Day b Id th Day ful Reje	049, 35 aged, ary Year Year Year Year Year
14. Snecial bandling Instructions and Additional Informations. ERG# 157 2) 130055-017 Profile# F         15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable interporter. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) of Generator's Offeror's Printed/Typed Name         16. International Shipments       Import to U.S.         17. Transporter signature (for exports only):       Import to U.S.         17. Transporter 2 Printed/Typed Name       Signature         18. Discrepancy       Import to U.S.         19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and reference to the tot t	0 0 1 322-08-004, Manifest FRi 5 5 5 and accurately dest ernational and native t of Consent. or (b) (if I am a sma Port of ent Date leavin Residue Annifest Reference cycling systems)	DM ERG# ( NP-03 for inal government I quantity get Control of the second	Partial Reje      U.S. EPA ID N      4.	S3-01 PEI PEI PEI PEI PEI PEI PEI PEI	ame, and t shipmer	Ie# R Ie# R Image: A constraint of the second secon	S22-07-           Siffed, packar           am the Prima           th         Day           8         1/6           th         Day           Siffed, packar         1/6           th         Day           Image: Siffed, packar         1/6	049, 35 aged, ary Year 22 Year 22 Year 22 Year
14. Special bandling Instructions and Additional Informations. ERG# 157 2) 130055-01/ Profile# RS22-07-049, ERG# 171       "See NRCCT         15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable int Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment I certify that the waste minimization statement identified in 40 CFR 262,27(a) (if I am a large quantify generator) of Generator's Printed/Typed Name         16. International Shipments       Import to U.S.       Export from U.S.         17. Transporter Acknowledgment of Receipt of Materials       Transporter 2 Printed/Typed Name       Signature         18. Discrepancy       Ital. Discrepancy       Ital. Discrepancy       Ital. Discrepancy         19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and ref.       Ital. Discrepancy       Ital. Discrepancy         19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and ref.       Ital. Discrepancy       Ital. Discrepancy	0 0 1 322-08-004, Manifest FRi 0 0.5 01 0.7 and accurately des ernational and nati t of Consent. or (b) (ifI am a sma Date leavin Date leavin Residue Annifest Reference cycling systems)	DM ERG# ( NP-03 for inal government ( quantity generation) ( quantit	Partial Reje	S3-01 S3-01 Ppping n II expor	ame, and t shipmer	Ie# R	S22-07-         Sified, packar         am the Prima         th       Day         8       16         th       Day         1       16         th       Day         Sified, packar       16         8       16         1       16         th       Day         -       Full Reje         nth       Day         -       Full Reje	049, 35 aged, ary Year Year Year Year
14. Snacial Handling Instructions and Additional Information       ERG# 157 2) 130055-01/ Profile# RS22-07-049, ERG# 171       See NRC 1         15. GENERATOR'S/OFFEROR'S CERTIFICATION: Thereby declare that the contents of this consignment are fully marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable in the contents of this consignment conform to the terms of the attached EPA Acknowledgmer Lecrify that the waste minimization statement identified in 40 CFR 262.27(a) (if 1 am a large quantity generator) of Generator's/Offeror's Printed/Typed Name       Signature         16. International Shipments       Import to U.S.       Export from U.S.         Transporter 1 Printed/Typed Name       Signature         17. Transporter 2 Printed/Typed Name       Signature         18. Discrepancy       Its. Discrepancy         18a. Discrepancy       Its. Discrepancy         18a. Discrepancy       Its. Quantity         18a. Discrepancy       Its. Quantity         18b. Alternate Facility (or Generator)       Its. Quantity         19b. Alternate Facility (or Generator)       Its. Quantity         19b. Alternate Facility (or Generator)       Its. Quantity         10. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and reference         10. Lazardous Waste Report Management Method Codes (i.e., codes for hazardous materials covered by the manifest exc         20. Designated Facility Owner or Operator: Certificatio	O O 1      S22-08-004,      Manifest FRi      O O 1      S22-08-004,      Manifest FRi      O O 1      O O 1      S22-08-004,      Manifest FRi      O O 1      O 0      O 1      O O 1      O 0      O 0	DM ERG# 1 NP-03 for inal government I quantity get 2 2 2 2 2 2 2 2 2 2 2 2 2	Partial Reje      U.S. EPA ID N      4.	pping n If expor	Profi	Ie# R Ie# R Image: A constraint of the second secon	S22-07-           Siffed, packar           am the Prima           th         Day           8         1/6           th         Day           Siffed, packar         1/6           th         Day           Full Reje         1/6           nth         Day	049, 35 aged, ary Year Year Year Year Year
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Transporter Company Name	CAST TRANSPORT			COA	600	0053	89	
ransporter Company Name		di sa matana	Bio successor	U.S. EPA ID I	Number	Nacio de	Stage Contract of	ne i stali da j
27b. U.S. DOT Description (including Proper Shi and Packing Group (if any))	oping Name, Hazard Class, ID Number,	28. Contair No.	ners Type	29. Total Quantity	30. Unit Wt./Vol.	31. V	Vaste Codes	
5. NA3082 Hazardous waste li Container # 13.0055-02 ERG# 171	quid, n.o.s., 8, PG III (DO11), Profile # RS22-08-065	001	DM	0.26	к	D011		
6. NA3UTT Hazardous wastes " contains PCBs",	olid, n.o.s., 8, PG III 0.0.5 8/4/22	001	DM	0.5	к	D009		
7. UN 1890 VASTE Sodium Flu	ioride, solid, 8.1, PG III	001	DM	19.06	к	NONE		
<ol> <li>W2110 WASTE Radioactiv quantity of material, 7</li> </ol>	e material, excepted package-limited	001	DM	12.42	K	NONE		
<ol> <li>UN2910 WASTE Radioactiv quantity of material, 7</li> </ol>	e material, excepted package-limited	0.0.1	DM	17.12	к	NONE		
10, Non-DOT Regulated Materia	1	005	DM	17.72	* K	NONE		
11. Non-DOT Regulated Materia	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	0.0.1	DM	2.3	K	NONE		
12, Non-DOT Regulated Materia		001	ĎМ	0.06	Х	NONE		
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pecial Handling Instructions and Additional Informa SRG# 154 8) 130052-05 / Profile 130059-01 / Profile# RS22-07-04 Wool סיי	1004 ERG# 171 6) 130060-01 / Profile# RS22-07-048 ERG# 161 9) 130052-03 5 11) 130058-01 / Profile# RS22-08-004 W 001 0,5	RS22-07-049 7 Rrofile# RS <b>12)</b> 130058-0	ERG# 522-07-0 52 / Prof	171 <b>7)</b> 1300 148 ERG# 1 ile# RS22-0	52-06 / 61 <b>10)</b> ( 7-049	Profile# F 130052-0	₹\$22-08 1,02,03	1-00 <b>/8</b> 3.04.
ransporter Acknowledgment of Receipt of	Materials	1			din e			
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ransporter Acknowledgment of Receipt of	Materials					4.154		
ed/Typed Name	Signature					Mor	nth Day	Year
Iscrepancy								
azardous Waste Report Management Method Coc µ 110	es (i.e., codes for hazardous waste treatment, disposal, and	ecycling systems)						
	27b. U.S. DOT Description (including Proper Shi and Packing Group (if any)) 5. NA3082 Hazardous waste in Container # 130055-0A EAG # 171 6. NA3UTT Hazardous waste s 11 contains PCBs", 7. UN1890 WASTE Sodjum Flu 8. M2410 WASTE Sodjum Flu 8. M2410 WASTE Radioactive quantity of material, 7 9. UN2910 WASTE Radioactive quantity of material, 7 10. Non-DOT Regulated Materia 11. Non-DOT Regulated Materia 12. Non-DOT Regulated Materia 13. Non-DOT Regulated Materia 14. Non-DOT Regulated Materia 15. Non-DOT Regulated Materia 16. Non-DOT Regulated Materia 17. Non-DOT Regulated Materia 18. Acknowledgment of Receipt of 19. JANE Acknowledgment of Receipt of 10. None Acknowledgment of Receipt of 10. A	27b. US. DOT Description (notiding Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))         5. NA3082 Hazardous waste liquid, n.o.s., 9, PG III (DOII), container # 13D055-0A / Profile # RS2A-08-065 EAG # 171         6. NA30171 Hazardous waste solid, n.o.s., 9, PG III         11 contains PCBs", 0.o.S. 8/4/a2.         7. UIN1090 WASTE Sodium Fluoride, solid, 8.1, PG III         8. MAZINU WASTE Radioactive material, excepted package-limited quantity of material, 7         9. UIN2910 WASTE Radioactive material, excepted package-limited quantity of material, 7         10. Non-DOT Regulated Material         11. Non-DOT Regulated Material         12. NOn-DOT Regulated Material         13. Optimized Science (and the second science) of the second science (and the second science) of the second science) of the second science (and science) of the second science) of the second science (and scien	27b. US. DOT Description (nauding Proper Shipping Name, Hazard Class, ID Number, and Packing Group (fampi)       28. Contain and Packing Group (fampi)         and Packing Group (fampi)       No.       No.         5, NA3082 Hazardous vvaste liquid, n.o.s., 9, PG III (DO(1))       0       0         Contraining # (JSD055-02) / Profile # RS22-0-085       E // Containing //	22b. US D0 Description (numbing Poper Shipping Name, Hazard Class, ID Number, and Packing Good (9 m/n)       No.       Type         25b. US D0 Description (numbing Poper Shipping Name, Hazard Class, ID Number, and Packing Good (9 m/n)       No.       Type         cm/dailers # 13 D055 - 02 / //oftk # R523 - 09 - 065       0 D 1       DM         cm/dailers # 13 D055 - 02 / //oftk # R523 - 09 - 065       0 D 1       DM         cm/dailers # 13 D055 - 02 / //oftk # R523 - 09 - 065       0 D 1       DM         cm/dailers # 13 D055 - 02 / //oftk # R523 - 09 - 065       0 D 1       DM         cm/dailers # 13 D055 - 02 / //oftk # R523 - 09 - 065       0 D 1       DM         cm/dailers # 15 D055 - 02 / //oftk # R523 - 09 - 065       0 D 1       DM         cm/dailers # 12 D055 - 02 / //oftk # R523 - 01 - 05       0 D 1       DM         cm/dailers # 12 D055 - 02 / //oftk # R523 - 01 - 05       0 D 1       DM         cm/dailers # 12 D055 - 02 / //oftk # R523 - 01 - 05       0 D 1       DM         cm/dailers # 12 D055 - 01 Profile# R522 - 01 - 05       0 D 1       DM         cm/dailers # 12 D055 - 01 Profile# R522 - 01 - 045       0 D 1       DM         cm/dailers # 13 D056 - 01 / Profile# R522 - 01 - 045       0 D 1       DM         cm/dailers # 13 D056 - 01 / Profile# R522 - 01 - 045       0 D 1       DM         cm/dailers # 13 D056 - 01 / Profi	21: US D0 Tescription (notating Proper Shipping Name, Hazard Class, ID Number, and Packing Group (1 any))       28. Continient       29. Total         3: NA3062 Hazardous waste inquid, n.o.s., 9, PG III (Dorf), Contrainer, # 13 D055-02 / Profile # \$529-09-005       0.0.1       D.M.       0.2.66         6: NA3062 Hazardous waste inquid, n.o.s., 9, PG III       0.0.1       D.M.       0.2.66         7: UN1590 WASTE Social, n.o.s., 9, PG III       0.0.1       D.M.       0.2.66         7: UN1590 WASTE Social meterial, excepted package-limited       0.0.1       D.M.       19, p6         8: M02400 WASTE Radioactive material, excepted package-limited       0.0.1       D.M.       12, 422         9: UN2010 WASTE Radioactive material, excepted package-limited       0.0.1       D.M.       17, 72         10: Non-DOT Regulated Material       0.0.5       D.M.       17, 72         11: Non-DOT Regulated Material       0.0.1       D.M.       2, 3         12: NOn-DOT Regulated Material       0.0.1       D.M.       2, 0         14: Non-DOT Regulated Material       0.0.1       D.M.       2, 0<	21:0 US 00 Description (incluing Proofs Bipping Name, Hazard Class, D Number, No. Type       23: Containers       23: Containers	27b U Stor Description (additing Progr. Shipping Name, Hazard Class, ID Runter, and Phater, Gace (B any)       2b Containers       2b Board (W)       3b U Mater (W)       3b U Ma	22. U.S. D0 Decode induction (including Poper Strong Name, Huard Class, ID Number, No. 1990)       30. Koall 30. Most 30. Mos

# LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Name:	Four Rivers Nuclear Partnership	bur Rivers Nuclear Partnership UHW Manifest No.:		it No.: 0235		
Profile No.:	RS22-07-049	Container No:		130053-01,	130053-02	
1 Is this waste	a non-wastewater or wastewater? (See 40 CER 26		Non-wastewater		Wastewater	

Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: 1

2.

Identify ALL USEPA hazardous waste codes and State codes (if applicable) that apply to this waste shipment, as defined by 40 CFR 261 and/or applicable state regulations. 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 F039-UHC Constituent sheet. If F039, multi-source leachate applies, identify the applicable constituents on the F039-UHC Constituent sheet. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, use the F039-UHCConstituent sheet to identify any applicable UHCs

REF #	3. US EPA HAZARDOUS WASTE CODE(S) AND STATE CODE(S), (if applicable)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NO SIMPLY CHECK NONE.	5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW		
		DESCRIPTION	NONE		
	D004,	TCLP Arsenic		A	
	D008,	TCLP Lead		A	
	D011,	TCLP Silver		A	
	D018	TCLP Benzene		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: NONE

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

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, A1, A2, 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 belowWhere these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

#### RESTRICTED WASTE REQUIRES TREATMENT Α.

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268.40. A.1 for Hazardous Debris: "This hazardous debris is subject of the alternative treatment standards of 40 CFR Part 268.45"

A.2 for Soils: "This hazardous waste soil is subject to the alternative treatment standards of 40 CFR Part 268.49" 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."

RESTRICTED WASTE SUBJECT TO A VARIANCE C.

D.

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 ot the alternative treatment standards of 40 CFR Part 268.45 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."

WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS E.

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.

8/16/2022 Signature Engineer (Man Form A-1 Page 1

# LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name:	Four Rivers Nuclear Partnership	UHW Manifest No.:	023531984 JJK				
Profile No.:	RS22-08-008	Container No:	130053-03				
-		_					

Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: 1 2.

Non-wastewater X Wastewater

Identify ALL USEPA hazardous waste codes and State codes (if applicable) that apply to this waste shipment, as defined by 40 CFR 261 and/or applicable state regulations. 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 F039-UHC Constituent sheet. If F039, multi-source leachate applies, identify the applicable constituents on the F039-UHC Constituent sheet. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, use the F039-UHCConstituent sheet to identify any applicable UHCs

REF #	3. US EPA HAZARDOUS WASTE CODE(S) AND STATE CODE(S), (If applicable)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NO SIMPLY CHECK NONE,	5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW	
1		DESCRIPTION	NONE	
	D003	Reactive		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: NONE

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

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, A1, A2, 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.

RESTRICTED WASTE REQUIRES TREATMENT A.

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

A.1 for Hazardous Debris: "This hazardous debris is subject of the alternative treatment standards of 40 CFR Part 268.45" A.2 for Soils: This hazardous waste soil is subject to the alternative treatment standards of 40 CFR Part 268.49 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

oshua

Signature

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 of the alternative treatment standards of 40 CFR Part 268.45

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."

Naste Engineer

A-30

WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS

oman

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. 8/16/2022

> Form A-1 Page 1

### LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Name:	Four Rivers Nuclear Partnership	UHW Manifest No.:
Profile No.:	RS22-07-049, RS22-08-004	Container No:

130060-01, 1	30055-01
on-wastewater X	Wastewater

023531984 JJK

16/2022

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: 2.

Identify ALL USEPA hazardous waste codes and State codes (if applicable) that apply to this waste shipment, as defined by 40 CFR 261 and/or applicable state regulations. 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 F039-UHC Constituent sheet. If F039, multi-source leachate applies, identify the applicable constituents on the F039-UHC Constituent sheet. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, use the F039-UHCConstituent sheet to identify any applicable UHCs

No

REF #	3. US EPA HAZARDOUS WASTE CODE(S) AND STATE CODE(S), (if applicable)	4. SUBCATEGORY Enter the subcategory description. If no Simply check none.	5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW	
		DESCRIPTION	NONE	
	D009	Elemental Mercury		A

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

If no UHCs are present in the waste upon its initial generation check here: NONE

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

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, A1, A2, 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 hose 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.

A.1 for Hazardous Debris: "This hazardous debris is subject of the alternative treatment standards of 40 CFR Part 268.45"

- A 2 for Soils: "This hazardous waste soil is subject to the alternative treatment standards of 40 CFR Part 268.49"
- 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

Noma

D.

Signature

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 of the alternative treatment standards of 40 CFR Part 268.45 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 tasting 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.\*

-na

A-31

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

Form A-1 Page 1

ease print or type.	4. Occurring ID Mumber	12 0	tot 2 Ener	Deserves	Dhann	A Mapleot	Form	Approved.	OMB No.	2050-00
UNIFORM HAZARDOUS WASTE MANIFEST	Number	08982 2	1 of 3. Emerg	1-270-4	41-8333	02	368	200	4 J.	JK
5. Generator's Name and Mailing Address       Generator's Name and Mailing Address         Four Rivers Nuclear Partnership, LLC, (FRNP) on behalf of FRNP 5511 Hobbs Road, Kevil, KY 42053       Generator's Site Address (if different than mailing address)         FRNP 5511 Hobbs Road, Kevil, KY 42053       Paducah Gaseous Diffusion Plant,         Generator's 7phone       5511 Hobbs Rd, Kevil, KY 42053										
6. Transporter 1 Company Nan						U.S. EPAID N	lumber			_
7. Transporter 2 Company Nam	e				÷-	U.S. EPA ID N	lumber	VARUUU	01200	
						<u> </u>				
8. Designated Facility Rame an EnergySolut US I-80 Exit Facility's Phone: 1–43	ons Clive Disposal Site- 49, Clive, UT 84029 5-884-0155	Treatment Facility				U.S. EPAID	lumber	JTD982	598896	)
9a. 9b. U.S. DOT Descript HM and Packing Group (if	on (including Proper Shipping Name, Haza any))	rd Class, ID Number,	-	10. Contain No.	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. V	Vaste Code	s
6 RQ (PCB, D018)	ardous waste, liquid, n.o.s., (	(PCB, Benzene), 9, F	°G III,	13	DM	- 2025	к	D018	D021 C	027
<sup>2.</sup> NA 3082, Haz RQ 9, PG III, (D01	ardous waste, liquid, n.o.s., ( 8, D039)	Benzene,Tetrachloro	pethylene),	1	DM	171	к	D018	0039	
RQ (D010)	ardous waste, liquid, n.o.s., (	Barium, Selenium), 9	9, PG III,	.1	DM	79	к	005 (	<del>0</del> 040-	
15. GENERATOR'S/OFFER marked and labeled/place Exporter, I certify that the I certify that the waste mit Generator's/Offeror's Printed/Tr I contents 16. International Shipments	R'S CERTIFICATION: I hereby declare U ded, and are in all respects in proper conv contents of this consignment conform to th imization statement identified in 40 CFR 2 ped Name	at the contents of this consign fittion for transport according to the terms of the attached EPAAcio 62.27(a) (If I am a large quantity BLAVE (1805) BLAVE (1805) Control of the terms of the terms of the BLAVE (1805) Control of the terms of terms of the terms of the terms of the terms of te	nent are fully ar applicable inten knowledgment o y generator) or ( Signature	national and natio of Consent. (b) (if I am a small	cribed above anal governme I quantity genu	by the proper sh intal regulations. erator) is true.	ipping name If export sh	Mon	th Day  10	Aged, Ary Yea
Transporter signature (for expo 17. Transporter Acknowledgmer	rts only): t of Receipt of Materials			Date leavin	g U.S.:					
Transporter 1 Printed/Typed Na Blaue Clea Transporter 2 Printed/Typed Na	y on Behalfc	FFRNP	Signature Signature		wr h		¥)	Mon Mon	th Day b Day b Day b 10	
18. Biscrepancy 18a. Discrepancy Indication Sp	ice Quantity	JUN	14.2	Residue	Number:	Partial Rej	ection	[	Full Reje	ection
18b. Alternate Facility (or Gene Facility's Phone:	alor)	BY:	A			U.S. EPAID N	lumber			
18c. Signature of Alternate Fac	lify (or Generator) anagement Method Codes (i.e., codes for	hazardous waste treatment. dis	sposal, and recy	rcling systems)				Moi	nth Day	Ye
1. 4.20	2.	1.20	3.	IL On		4.				
20. Designated Facility Owner	r Operator: Certification of receipt of baza	rdous materials covered by the	manifest excen	t as noted in Item	18a					

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### Manifest Number: 023682004JJK

### Shipment ID Number: 9750-09-0028

Shipment Date: 6/10/2022

UHWM Section	RFD	Container / WASTE ID	Barcode	Description	Accumulation Storage Date	Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Net Wt (lb)	Net Wt (Ka)
9b.1	122645	122645-01	PAD22C50402	USED PCB CONTAMINATED OIL DRAINED FROM TRANSFORMERS	03/02/22	03/02/22	6.01	426	193.23	370	168
9b.1	122645	122645-02	PAD22C50403	USED PCB CONTAMINATED OIL DRAINED FROM TRANSFORMERS	03/02/22	03/02/22	6.68	398	180.53	342	155
9b.1	122645	122645-03	PAD22C50404	USED PCB CONTAMINATED OIL DRAINED FROM TRANSFORMERS	63/02/22 03	123,03/02/22	6.82	412	186.88	356	161
9b.1	122645	122645-04	PAD22C50405	USED PCB CONTAMINATED OIL DRAINED FROM TRANSFORMERS	03/03/22	0 <u>3/02/22</u> 03	103/27 <sub>6.68</sub>	412	186.88	356	161
9b.1	122645	122645-05	PAD22C50406	USED PCB CONTAMINATED OIL DRAINED FROM TRANSFORMERS	03/03/22	03/03/22	6.82	424	192.32	368	167
9b.1	122645	122645-06	PAD22C50407	USED PCB CONTAMINATED OIL DRAINED FROM TRANSFORMERS	03/03/22	03/03/22	6.82	422	191.41	366	166
9b.1	122645	122645-07	PAD22C50408	USED PCB CONTAMINATED OIL DRAINED FROM TRANSFORMERS	03/03/22	03/03/22	6.68	418	189.60	362	164
9b.1	122645	122645-08	PAD22C50409	USED PCB CONTAMINATED OIL DRAINED FROM TRANSFORMERS	03/03/22	03/02/22	6.81	420	190.51	364	165
9b.1	122645	122645-09	PAD22C50410	USED PCB CONTAMINATED OIL DRAINED FROM TRANSFORMERS	03/03/22	<u>83/02/22</u>	03/~ <sup>6.8</sup>	420	190.51	364	165
9b.1 ⋗	122645	122645-10	PAD22C50411	USED PCB CONTAMINATED OIL DRAINED FROM TRANSFORMERS	03/03/22	<u></u> 3/ <u>02/22</u> 03	0310 <sup>6</sup> .68	423	191.87	367	166
539b.1	122645	122645-11	PAD22C50412	USED PCB CONTAMINATED OIL DRAINED FROM TRANSFORMERS	03/03/22	<u>03/02/2</u> 2 03	63128.82	440	199.58	384	174
9b.1	122645	122645-12	PAD22C50413	USED PCB CONTAMINATED OIL DRAINED FROM TRANSFORMERS	03/03/22	03/02/22 0	<b>303</b> 6.68	414	187.79	358	162
9b.1	122645	122645-13	PAD22C50414	USED PCB CONTAMINATED OIL DRAINED FROM TRANSFORMERS	03/03/22	0 <del>3/02/2</del> 2 <b>03</b>	103/02.6	163	73.94	107	49
9b.2	121458	121458-18	PAD22C40137	USED OIL FROM MOBILE EQUIPMENT	01/13/22	N/A	6.8	432	195.95	376	171
9b.3	122233	122233-12	PAD22C50210	Used Lube Oil	01/31/22	N/A	4.68	225	102.06	175	79
		Totals	15				93.38	5849	2653	5015	2275

BC 04/10/23 Changed date on 04/10/23

122645-01-13

# 122645-01 through 13

# LAND DISPOSAL NOTIFICATION AND CERTIFICATION

Generator Name:	Four Rivers Nuclear Partnership	Manifest Doc. No. :	02368 2004 JTK
Profile No.:	9750-09-0028	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.

DEE #	3. US EPA	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK N	IONE.	5. HOW MUST THE WASTE BE MANAGED?
	WASTE CODE(S)	DESCRIPTION	NONE	ENTER LETTER FROM BELOW
1	D018	TCLP Benzene		A
2	D021	TCLP Chlorobenzene		A
3	D027	TCLP 1,4-Dichlorobenzene		А
4	D032	TCLP Hexachlorobenzene		A

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

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

# A. RESTRICTED WASTE REQUIRES TREATMENT

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

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

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS

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

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS

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

 B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS

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

# C. RESTRICTED WASTE SUBJECT TO A VARIANCE

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

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.

Signature (Affiliate)	Date: 2022.03.09 16:38:27 -05'00'	Title	Waste Engineer	Date	3/9/2022
·					

Form A1 Page 1 of 2

# 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	Treatm	ent Standard¹	F001 through F005 spent solvent constituents and their associated USEPA hazardous	Treatment Standard <sup>1</sup>						
USEPA hazardous waste code(s).	Wastewaters	Nonwastewaters	waste code(s).	Wastewaters	Nonwastewaters					
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP) <sup>3</sup>					
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) <sup>3</sup>	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) <sup>3</sup>	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					

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

Form A1 Page 2 of 2

# LAND DISPOSAL NOTIFICATION AND CERTIFICATION (PHASE IV)

Generator Name:

Profile No.:

Four Rivers Nuclear Partnership	
9750-09-0028	

Manifest Doc. No. : State Manifest No.:

023682004 JTK

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 <u>IS NOT</u> 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.

	3. US EPA	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK	5. HOW MUST THE WASTE BE MANAGED2 ENTER				
REF #	HAZARDOUS WASTE CODE(S)	DESCRIPTION		NONE		LETTER FROM FORM A1, PAGE 1	
5							
6							
7							
8							
9							
10						/	
11					$\mathbb{Z}$		
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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 JOSHUA NORMAN (Affiliate) Digitally signed by JOSHUA NORMAN (Affiliate) Date: 2022.03.09 16:37:58 -05'00'

Title Waste Engineer

Date 3/9/2022

Form A2 Page 1 of 2

# LAND DISPOSAL NOTIFICATION AND CERTIFICATION (PHASE IV)

Generator Name:	Four Rivers	Nuclear	Partnership

Manifest D	OC.	No.	:

023682004 JTM

Profile No.:

State Manifest No.:

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

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

	3. US EPA	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK	5. HOW MUST THE WASTE BE MANAGED? ENTER					
REF #	WASTE CODE(S)	DESCRIPTION	NONE		E	LETTER FROM FORM A1, PAGE 1		
36								
37								
38								
39								
40	1				$\square$			
41					Π			
42					$\square$	л		
43				Ć	$\square$			
44		/			$\square$			
45					$\square$			
46					$\square$			
47								
48								
49					$\square$			
50								
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54		W 3/9/2022						
55								
56								
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58								
59	5.							
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 JOSHUA NORMAN (Affiliate) Digitally signed by JOSHUA NORMAN (Affiliate) Date: 2022.03.09 16:37:31 -05'00'

Title

Waste Engineer

3/9/2022 Date

Form A2 Page 2 of 2

# F039/UNDERLYING HAZARDOUS CONSTITUENT (UTS) (Phase IV)

Generator Name:

Profile No.:

Four Rivers Nuclear Partnership 9750-09-0028

Manifest Doc. No. : State Manifest No.:

DAJG82004 JJK

If D001-D043 requires treatment to the 40 CRF 268.48 standards, then each underlying hazardous constituent (UHC) present in the waste at the point of generation and at a level above the Universal Treatment Standard (UTS) constituent specific standard must be listed. Write the letter (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	│ <b>▶</b>	0.057	0.28 <sup>1</sup>
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38 <sup>1</sup>	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 <sup>1</sup>	23 <sup>1</sup>	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062 <sup>1</sup>	NA <sup>1</sup>
Aldicarb sulfone		0.056 <sup>1</sup>	0.28 <sup>1</sup>	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 <sup>1</sup>	1.4 <sup>1</sup>
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l <sup>1</sup>
Barban		0.056 <sup>1</sup>	1.4 <sup>1</sup>	o,p'-DDD		0.023	0.087
Bendiocarb		0.056 <sup>1</sup>	1.4 <sup>1</sup>	p,p'-DDD		0.023	0.087
Benomyl		0.056 <sup>1</sup>	1.4 <sup>1</sup>	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 <sup>1</sup>	6.0 <sup>1</sup>	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene <sup>3</sup>		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene <sup>3</sup>		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 <sup>1</sup>	1.4 <sup>1</sup>	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 <sup>1</sup>	0.14 <sup>1</sup>	1,1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056 <sup>1</sup>	1.4 <sup>1</sup>	trans-1,2-Dichloroethylene		0.054	30
Carbofuran		0.006 <sup>1</sup>	0.14 <sup>1</sup>	2,4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056 <sup>1</sup>	1.4 <sup>1</sup>	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP <sup>1</sup>	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	10
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carbosulfan	1	0.028 <sup>1</sup>	1.4 <sup>1</sup>	cis-1,3-Dichloropropylene		0.036	18
Chlordane (alpha and gamma isomers)	W 3/9/2022	0.0033	0.26	trans-1,3-Dichloropropylene	QN 3/9/2022	0.036	18
p-Chloroaniline		0.46	16	Dieldrin	10	0.017	0.13
Chlorobenzene		0.057	6.0	Diethyl phthalate		0.20	28

Form B1 Page 1 of 3

CONSTITUENT	HOW MU THIS CONSTIT		WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless
Chlorobenzilate			0.10	NA	p-Dimethylaminoazobenzene		0.13 <sup>1</sup>	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 <sup>1</sup>	1.4 <sup>1</sup>
2,6-Dinitrotoluene			0.55	28	Mexacarbate		0.0561	1.41
Di-n-octyl phthalate			0.017	28	Molinate		0.042 <sup>1</sup>	1.41
Di-n-propylnitrosamine			0.40	14	Naphthalene		0.059	5.6
1,4-Dioxane			12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine <sup>3</sup>			0.92	13'	o-Nitroaniline		0.27	14'
Dipnenyinitrosamine <sup>®</sup>			0.92	13'	p-Nitroaniline		0.028	28
1,2-Diphenyinydrazine			0.087	INA C O	Nitrobenzene		0.068	14
Disulfoton			0.017	0.2	5-Nitro-o-toluidine		0.32	28
Endocultan I			0.028	20	n Nitrophenol		0.020	13
Endosulfan II			0.023	0.000	N Nitrosodiothylamino		0.12	29
Endosulfan sulfato		_	0.029	0.13	N-Nitrosodiethylamine		0.40	20
Endrin		_	0.029	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldebyde	n		0.0020	0.13	N-Nitrosomethylethylamine		0.40	23
EPTC			0.023	1 41	N-Nitrosomorpholine		0.40	2.3
Ethyl acetate		_	0.042	33	N-Nitrosoniperidine		0.40	2.5
Ethyl benzene			0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propagenitrile		1	0.24	360	Oxamyl		0.010	0.281
Ethyl ether			0.12	160	Parathion		0.000	4.6
Bis(2-Ethylhexyl)phthalate			0.28	28	Total PCBs (sum of all PCB		0.10	10
Ethyl mothacnylato			0.14	160	Pobulato		0.0421	1 41
Ethylono oxido			0.14		Pepulate		0.042	1.4
Famphur			0.017	15	Peritachioroberizerie PeCDDs (All Deptechiorodiberize p dievine)		0.000035	0.001
Fluoranthene			0.068	3.4	Pentachiorodibenzo-p-dioxins) PeCDFs(All		0.000035	0.001
-			0.050	0.4	Pentachlorodibenzofurans)		0.055	
Fluorene			0.059	3.4	Pentachioroethane		0.055	6.0
Hontachler			0.056	1.4	Pentachioronitrobenzene		0.055	4.8
Heptachlor opovido			0.0012	0.000	Pentachiorophenol		0.089	1.4
Heyachlorobenzene			0.010	10	Phenanthrene		0.061	56
Hexachlorobutadiene			0.055	56	Phenol		0.039	6.2
Hexachlorocyclopentadiene			0.057	2.4	Phorate		0.000	4.6
HxCDDs (All Hexachrorodihenzo-n-dioxins)			0.000063	0.001	Phthalic acid		0.055 <sup>1</sup>	28 <sup>1</sup>
HxCDFs (All			0.000063	0.001	Phthalic anhydride		0.055	28 <sup>1</sup>
Hexachloroethane			0.055	30	Physostiamine		0.0561	1 41
Hexachloropropylene			0.035	30	Physostigmine salicylate		0.0561	1.4
Indeno(1.2.3-c d)nyrene			0.0055	3.4	Promecarb		0.0561	1.41
Indomethane			0.19	65	Pronamide		0.093	1.4
Isobutyl alcohol			5.6	170	Pronham		0.0561	1.0
Isodrin			0.021	0.066	Proposur		0.0561	1.41
Isosafrole			0.081	2.6	Prosulfocarb		0.0421	1.41
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 <sup>1</sup>	Safrole		0.081	22
Methapyrilene			0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb			0.056 <sup>1</sup>	1.4 <sup>1</sup>	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl			0.028 <sup>1</sup>	0.14 <sup>1</sup>	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
Methoxychlor	QN3	/9/2022	0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)	QN 3/9/2022	0.000063	0.001
3-Methylcholanthrene	0		0.0055	15	1,1,1,2-Tetrachloroethane		0.057	6.0
4,4'-Methylene bis(2- chloroaniline)	*		0.50	30	1,1,2,2-Tetrachloroethane	*>	0.057	6.0

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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 <sup>1</sup>	Antimony		1.9	1.15 mg/l TCLP <sup>4</sup>
Thiophanate-methyl		0.0561	1.4 <sup>1</sup>	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 TCLP⁴
Triallate		0.042 <sup>1</sup>	1.4 <sup>1</sup>	Beryllium		0.82	0.014 mg/l TCLP
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP <sup>4</sup>
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 <sup>4</sup>
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.60 mg/l TCLP <sup>4</sup>
Trichloroethylene		0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30 <sup>1</sup>
2,4,5-Trichlorophenol		0.18	7.4	Fluoride		35	NA⁴
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/l⁴ 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 <sup>1</sup>	1.5 <sup>1</sup>	Nickel		3.98	5.0 mg/l TCLP
Tris-(2,3- Dibromopropyl)phosphate		0.11	0.10 <sup>1</sup>	Nickel		3.98	11 mg/l TCLP⁴
Vernolate		0.042 <sup>1</sup>	6.0 <sup>1</sup>	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride	JN 3/9/2022	0.27	6.0	Selenium		0.82	5.7 mg/l TCLP⁵
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 TCLP⁴
				Sulfide		14	NA <sup>2</sup>
				Thallium		1.4	0.078 mg/l TCLP <sup>1</sup>
	W 3/9/2022			Thallium	W 3/9/2022	1.4	0.20 mg/l TCLP⁴
	0			Vanadium		4.3 <sup>2</sup>	1.6 mg/l TCLP <sup>2</sup>
				Zinc	*>	2.61	4.3 mg/l TCI P <sup>2</sup>

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

<sup>2</sup> Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

 <sup>3</sup> These compounds are regulated by the sum of their concentration instead of as individual constituents.
 <sup>4</sup> 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.

<sup>5</sup> 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.

> Form B1 Page 3 of 3
| ease     | print or type.   |   |   | •  |                                |                                |                                 | Form                        | 1 Арргоче            | d, OMB No.      | 2050-0039      |
|----------|--|---|---|--|--------------------------------|--------------------------------|---------------------------------|-----------------------------|----------------------|-----------------|----------------|
| U        | IIFORM HAZARDOUS<br>WASTE MANIFEST   | 1. Generator ID Number<br>KY 8890008982   | 2. Page 1 of<br>2                                     | 3. Emerge  | ancy Response<br>1-270-4       | Phone<br>41-6333               | 3 02                            | Tracking N<br>368           | <sup>umber</sup> 209 | 90 J            | JK             |
| 5.       | Jenerator's Name and Mailin<br>Four Rin  | g Address<br>vers Nuclear Partnership, LLC, (FRNP)  |   | Generalor's  | s Site Address                 | (if different th<br>FRN        | an mailing addre<br>P on behalf | <sup>ss)</sup><br>Fof the F | RNP                  |                 |                |
|          | <b>F</b>   | on behalf of FRNP   |   |  |                                | Paducal                        | h Gaseous                       | Diffusion                   | n Plant,             |                 |                |
| Ge<br>6. | nerator's Phone: 55<br>Fransporter 1 Company Name  | 511 Hobbs Rozd, Kevil, KY 42053   |   |  |                                | 0011 H                         | U.S. EPAID                      | Number                      | 42053                |                 |                |
| L        | · · ·  | Tri-state Motor Transit, CO   | _   |  |                                |                                |                                 |                             | MODO                 | 9503899         | 98             |
| 7.       | iransporter 2 Company Name   | Ĵ   |   |  |                                |                                | U.S. EPAID I                    | Number                      |                      |                 |                |
| 8.       | Designated Facility Name ark   | d Sile Address  |   |  |                                |                                | U.S. EPA ID I                   | Number                      | ·                    |                 |                |
| 1        | EnergySol  | utions Clive Disposal Site-Treatment  | t Facility  |  |                                |                                |                                 |                             | UTDO                 | onendor         | Ð              |
|          |  | 05 1-80 Exit 49, Clive, 01 84029  |   |  |                                |                                | 1                               |                             | 0108                 | 0208008         | Q              |
| 9        | 9b. U.S. DOT Descriptio  | in (including Proper Shipping Name, Hazard Class, ID Number,  |   | T  | 10. Contair                    | iers                           | 11. Total                       | 12 Unit                     |                      |                 |                |
| H        | A and Packing Group (if a  | ny))  |   |  | No.                            | Туре                           | Quantity                        | WI Nol.                     | 1:                   | 3. Waste Code   | 5              |
| RC       | UN 3077, Envir   | onmentally hazardous substance, so<br>!!  | alid, n.o.s   | i.   | 1                              | СМ                             | 808                             | к                           |                      | · ·             |                |
| $\vdash$ | 2.   |   |   |  |                                |                                |                                 |                             |                      |                 |                |
|          |  |   |   |  |                                |                                |                                 |                             |                      |                 |                |
| ┢        | 3.   | ,   |   |  |                                |                                |                                 |                             |                      |                 |                |
|          |  |   | ÷   |  |                                |                                |                                 |                             |                      |                 |                |
|          | 4.   |   |   |  |                                |                                |                                 |                             |                      |                 |                |
|          |  |   |   |  |                                |                                |                                 |                             | •                    |                 |                |
| 77       |  |   |   |  |                                |                                |                                 |                             |                      |                 |                |
| 14       | EDC #474   | an: ************************************  | 000 404   | 0000   |                                |                                | Ifundal                         | PCB                         | Start D              | ate: 06/27      | 704<br>Norstar |
|          | Dedicated Use  | Shipment See PCB Attachment for   | Additiona   | al Info  |                                |                                | Shipme                          | ent ID:                     | 9750-                | 04-0012         | arator         |
| 15       | GENERATOR'S/OFFEROL  | R'S CERTIFICATION: Lharphy declara that the contacts of this  |   | are fully and  | accurately des                 | ribed above                    | by the proper sh                | inning name                 | and and d            | accified packs  | and            |
| 10,      | marked and labeled/placard<br>Exporter, I certify that the co<br>I certify that the waste mink | led, and are in all respects in proper condition for transport acc<br>ontents of this consignment conform to the terms of the attache<br>mization statement identified in 40 CFR 262 27(a) (if I am a lar | consignment of<br>cording to applic<br>id EPA Acknowl | and fully and<br>able interna<br>ledgment of<br>erator) or (b) | itional and nation<br>Consent. | nai governme<br>I quantity cen | ental regulations.              | If export shi               | pment and            | I am the Prim   | лу<br>1960,    |
| Ge       | erator's/Offeror's Printed/Typ   | ved Name  | Sigt  | nature   |                                | M.A.                           | AA                              |                             | M                    | onth Day        | Year           |
| 16       | andace Gille   | the on behalf of FRMY   | $\frac{10}{10}$                                       | and  | ace .                          | LIIII                          | ulo                             |                             | ·   ·                | 07 26           | ZZ             |
| Tra      | nsporter signature (for export   | L Import to U.S. L<br>ts only):   | .) Export from U                                      | J.S.   | Port of ent<br>Date leavin     | ry/exit:<br>Ig U.S.:           |                                 | ······                      | ~~~~                 |                 |                |
| 17.      | Transporter Acknowledgment   | of Receipt of Materials   |   |  |                                |                                |                                 |                             |                      |                 |                |
| Ira      |  | Mian  | Sign<br>(   | iature   |                                | 12                             | 7                               |                             | - MA                 | いれ Day<br>マチ・フィ | 1 27           |
| Tra      | isporter 2 Printed/Typed Nam   | ne  | Sigr  | nature   |                                |                                |                                 |                             | M                    | onth Day        | Year           |
| 10       |  |   | l   |  |                                |                                |                                 |                             |                      |                 |                |
| 18.      | Discrepancy Indication Spa   |   | = 1 \ /   | C rh   | P3 - 14                        |                                |                                 |                             |                      |                 |                |
|          |  |   |   |  | Nesidae                        |                                | L Paroai Rej                    | ecuon                       | ·                    | L Full Reje     | cuon           |
| 18       | Alternate Facility for General   | alor)   | <u>יחי ה</u>  | hinaM  | lest Reference                 | Number.                        |                                 | lumber                      | <u> </u>             |                 |                |
|          | in the manufacture of the second   | JUL Z   | 3 202   | .2.  |                                |                                | 0.0.217101                      | in a second                 |                      |                 |                |
| Fac      | lity's Phone:  |   | A   | b  | <u>/</u>                       |                                |                                 |                             |                      | 1-0 D           |                |
| 100      | organities of Alternate Facial   | y (or ceilstrator) BY:  | K1  | nya kana kana kata mata mila kata 2000                         | -                              |                                |                                 |                             | N                    | ionin Day       | Year           |
| 19.      | Hazardous Waste Report Ma  | nagement Method Codes (i.e., codes for hazardous waste treat  | liment, disposal                                      | , and recycli  | ing systems)                   |                                |                                 |                             | I                    | I               | <u> </u>       |
| 1.       | 14122  | 2.  | 3.  |  |                                |                                | 4.                              |                             |                      |                 |                |
| 20.      | Designated Facility Owner or   | Operator: Certification of receipt of hazardous materials cover   | ed by the manif                                       | est except a   | is noted in item               | 18a                            | l                               |                             |                      |                 |                |
| Pri      | ted/Typed Name   | ,   | Sigr  | nature n   |                                | 0                              | ·····                           |                             | M                    | onth Day        | Year /         |
| AFO      | m 8700-22 (Ray 12-17)  | Pravious adilions are obsolate  |   | U  | m                              | lim                            |                                 | TO 50                       | 1                    | 1 29            | 22             |
|          | 11 01 00-22 (1/04, 12+11)  | ו ויוויטט פעווטווס מוכ עטטעולש.   | A-41  | 1  | DESI                           | GNATED                         | FACILITY                        | TO EPA                      | se-MA                | MIFEST          | 515            |
|          | •  |   |   | -  |                                |                                |                                 |                             |                      |                 |                |

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#### PCB and Additional Information Attachment, Page 2 of 2

#### Manifest Number: 023682090 JJK

#### Shipment ID Number: 9750-04-0012

Shipment Date: 7/26/2022

UHWM Section	RFD	Container / · WASTE ID	Barcode	Description	Date to Storage	NET VOLUME (ff3)	GROSS WT (Ib)	Gross Wt (Kg)	Net WT (Ib)	Not Wt (Kg)
9b.1	122473	122473-01	PAD21C47085	Transformer parts and PPE associated with transformers	06/27/04	90	2574	1168	1782	808
		Totals	1			90	2574	1168	1782	808

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.

ase print or type.								1 0111		onno non	
UNIFORM HAZARDOUS	1. Generator ID Number		2. Page 1 of	3. Ernen	gency Response	Phone	4. Manifes		<sup>mber</sup> クロロ	71	IV.
WASTE MANIFEST	KY E	3890008982	2	1-:	270-441-1	3333 (if different the		.300	200	1 01	<u>un</u>
5, Generator's Name and Malin	g Address			Generato			EDAID	4991			
Four	Rivers Nuclear Part	nership, LLC, (FRNF	')	רא ה-	INP on Der	ial of the	FRNF Union Dina	•			
Canaralada Phonat	5511 Hobbs Road,	Kevil, KY 42053		Pa	ducan Gas	20US LAM 24 Kand	usion Piar	i <b>C,</b>			
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#### Additional PCB Information Attachment, Page 2 of 2

#### Manifest Number: 023682097 JJK

#### Shipment ID Number: 7340-08-0023

Shipment Date: 8/4/2022

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UHWM Section	RFD	Container / WASTE  D	Barcode	Description	DTS	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	Net WT (lb)	Net Wt (Kg)
9b.1	122431	122431-04	PAD22C50169	C-333 BCS Waste from removal of Transite Panels with PCB Contamination	03/23/22	250	9080	4119	1580	717
		Totals	1			250	9080	4119	1580	717

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.

Ple	ase pri	nt or type.					Form	Approved. Ol	MB No. 2050-003
Î	UNIE	FORM HAZARDOUS ASTE MANIFEST KY 8890008982	2 2 2	rgency Response 1-270-	-441-633	3 4. Manifes	1 Tracking Nu 368	2104	JJK
11	5. Ge	Four Rivers Nuclear Partnership, LLC, (FRNP) o		ors Site Address	f of the U	in mailing eddr .S. Depart	ment of E	nergy	
11		behalf of the U.S. Department of Energy	Pad	ucah Gase	ous Diffus	ion Plant,			
Ш	Gene	rator's Phon 5511 Hobbs Road, Kevil, KY 42053	551	HobbsRd	l, Kevil, K	Y 42053			
11	0. 118	nsporter i Company Name				U.S. EPAID	Number		
$\ $	7. Tra	nsporter 2 Company Name			_	U.S. EPAID	Number	CORODO	105389
	8. De	signaled Facility Name and Sile Address Energy Solutions Clive Disposal Site-Waste Bulk	Facility			U.S. EPAID	Number		
Ш		US I-80 Exit 49, Clive, UT 84029						UTD9828	598898
Ш	Facil	1-435-884-0155				1			
Ш	9a.	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number,		10. Contai	ners	11. Total	12. Unit	12 11/20	da Cadaa
	HM	and Packing Group (if any))		No.	Туре	Quantity	Wit /Vol.	13. Was	ne Codes
B		" UN 2912, Radioactive material, low specific activ	ity (LSA-	),					
RAT	RC	7, (PCB's), Am-241, Pu-239, Th-230, Solid/Oxide	, 35 MBd	, 1	СМ	354	K		-
No.	_	2. Fissile Excepted							
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		3.					+		
11									
		4.							
								-	4 24 23
	14. Sp	ecial Handing Activities and and an and an and an and an and an					PCB St	art Date:	-03/17/22
		ERG #162 In the event of an RQ Release, call	1-800-42	4-8802		If undel	iverable,	return, to	3 12 st 12 7
		Exclusive Use Shipment, See PCB Attachment for	r Addition	nal Info		Shipm	ent ID:	7340-08-	0024
	15, 0	SENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consign narked and labeled/placarded, and are in all respects in proper condition for transport according to	ment are fully a	nd accurately des	i evede bedina	by the proper si	lpping name, a	and are classifie	d, packaged,
	E	xporter, I certify that the contents of this consignment conform to the terms of the attached EPA A certify that the waste miclimization statement Mentified in 40 CEB 262 27(a) ([] are a large quarter to the statement of the s	cknowledgment	of Consent.	I quantity name		, ii esport einfi		io rinnay
	Rener	ator's/Offeror's Printed/Typed Name	Signature	1 -A	I A P	11-44		Month	Day Year
¥	a	ndace Gillete on behalf of FKNP	1 (an	alle.	SU	lell	·	108	23 ZZ
Ę	TO. Int	emational Shipmants Import to U.S. Export	from U.S.	Port of ent	ry/oxit:				
R	17. Tra	nscorter signature (for exports only):		Dato leavin	ig U.S.:				
RTE	Transp	orter 1 Printed/Typed Name	Signature					Month	Day Year
SPO	*	CAN GABIZS .	15	~		-		I B	23/22
RAN	Transp	oner 2 Printed typed Name	Signatura I					Month	Day Year
1	18. Dis	crepancy							
	18a. D	Iscrepancy Indication Space		Insidua		Radial Ra	oction	Π.	ull Palaction
			VE				00001		di Nejecuon
F	18b. A	temate Facility (or Generator)	0000	fest Reference	Number:	U.S. EPAID	lumber		
CIL		A00 2 0 ,	2022						
DE	Facility	's Phone:		<u>y</u>				10	
MIE		Support of Methods and		_				Month	Day Year
SIGA	19. Ha	zardous Waste Report Management Method Codes (I.e., codes for hazardous waste treatment, di	sposal, and recy	rding systems)					
B	1.	1/1/2/2.	3.			4.			-
1	20 0-	misz		1	10-				
	Printed	Augurated Facility Ovinter of Operator. Ceruncation of receipt of nazardous materials covered by the Typed Namo	Signature	as noted in Item	184		-	Month	Day Year
t		Albert Emis	a	and	En	-		18	26 22
EPA	Form	8700-22 (Rev. 12-17) Previous editions are obsolete.		DESI	GNATED	FACILITY	TO EPA's	e-MANIFI	EST SYSTEM

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#### PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 023682104 JJK

Shipment ID Number: 7340-08-0024

Shipment Date: 8/23/2022

UHWM Section	RFD	Container / WASTE ID	Barcode	Description	PCB Date to	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	NET WT	NET W: (Kg)	Maximum Activity MBg
9b.1	122193	122193-09	PAD22C50725	EPOXY PAINT CHIPS, VEGETATION AND PPE	03/17/22	81	1816	824	780	354	35
 		Totals	1		3/24/2	<u>ع</u> 81	1816	824	780	354	35

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.

Ple	ase p	print or type.								Form	Approved.	OMB No. 2	2050-0039	
1	UN	IIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	KY 8890008982	2. Page 1 of 2	3. Ema 1-∡	gency Response 70–441–83	Phone 33	4. Manifest	Fracking Nu 368	<u>210</u>	6 J.	IK	
	5.0	Senerator's Name and Mailin	gAddress	ership LLC (FRNP)	on behal	Generat F FR	VP on beha	if different th	an mailing addres	s) ment of	Energy			
11		of the U.S.	Department of	Eneroy		Pad	lucah Gase	ous Diffu	sion Plant,					
11			- Department of	KV 42053	T	551	1 Hobbs Ro	I, Kevil, I	<y 42053<="" th=""><th></th><th></th><th></th><th></th></y>					
	Ge 6. T	ransporter 1 Company Nam	B RUAD, NEVIL,	1 42005					U.S. EPAID 1	lumber			·	
	<b>1</b>	Tri-State M	lotor Transit						MOD095038998					
Н	7.1	ransporter 2 Company Nam	0						U.S. EPA ID N	lumber				
									1					
11	8.0	Designated Facility Name an	d Site Address						U.S. EPAID N	lumber				
		Energy/Sol	utions Clive Dis	posal Site-Waste Tre	atment F	acilit	У						_	
		US 1-80 Ex	it 49, Clive, UT	84029					T.		D1D883	298888	3	
	Fac	sility's Phone: 1-4	35-884-0155				10.0.11			r				
	9a HM	and Packing Group (if a	on (including Proper Shipp any))	Ing Name, Hazard Class, ID Number,			No.	iers Type	11. Total Quantity	12. Unit Wt./Vol.	13.	Waste Code	s	
		1. UN 3321, W	aste, Radioactive	material, low specific act	tivity (LSA-	-11), 7,					D004	0006	D007	
RATC	RC	(Duu4, PCB	), Th-230, U-234	, Solid/Oxide, 2 MBq, Fis	sile Excep	itea	.1	DM	14	ĸ	0008			
GENF		2 Faur Rivers Nuclear I FRNP Is responsible EMD004895, Includin with RCRA requirem 3,	Partnership, LLC (FRNP) an for performing all Resource g, but not limited to, char ents, Transportation herei	d the U.S. Department of Energy (DOE) Conservation and Recovery Act (RCR) acterizing waste, manifesting waste to under is for DOE and the actual local to	) are co-generati A) generator act off-site fadilitie ansportation ch	ors pursu ivities or s, packag arges pa	ant to a Co-Gener behalf of both FR ing and labeling w id are to be reimb	ator agreem NP and DOE vaste for tran ursed by the	ent dated Septem for all activities un sport, and storing Government purs	ter 13, 2017 ader the sco and managi uant to Cont	Under this a be of FRNP's ( ng waste, in a ract DE-EMOC	greement, Contract DE- accordance 104895.		
П														
11	L													
11		4.												
11														
11	14.	Special Hendling Instruction	wand Additional Laformat	CUCOFCO - CIT 20	PCP	DTS.	05.47.2022		A courselat	ion Star	to Date:	050	17577	
		ERG # 16	2 In the even	t of an RQ Release, c	all 1-800-	-424-	8802		If undeliv	erable	, return	to gene	erator	
11		Exclusive	Use Shipment	Pma	52548	5			Shipme	nt ID:	9750-03	3-0007		
	15.	GENERATOR'S/OFFERC marked and labeled/placa Exporter, I certify that the I certify that the waste min	PR'S CERTIFICATION: 11 rded, and are in all respection contents of this consignment imization statement identition mod Name	nereby declare that the contents of this ts in proper condition for transport acc ant conform to the terms of the attache fied in 40 CFR 262.27(a) (if I am a large	s consignment a cording to applic ed EPA Acknowl ge quantity gen	are fully a cable inte ledgmen erator) o	and accurately des emational and nati t of Consent. r (b) (if I am a sma	scribed above onal governm Il quantity ge	a by the proper sh nental regulations nerator) is true.	ipping nam If export sh	e, ard are cla ipment and I	ssified, pack am the Prim	aged, ary	
ļ	B	AKE CLEAR	y on Bel	nalf of FRN	IP I	3/0	RI CU	any	/		10	18 A	422	
FN	Tra	ansporter signature (for expo	Import to U.S. ints only):	L	L Export from L	J.S.	Port of en Date leavi	try/e%it: ng U.S.:						
R	17.	Transporter Acknowledgmen	t of Receipt of Materials				1	· · · · · ·						
La C	Tra	nsporter 1 Printed/Typed Na	me IZ	aida	Sig	nature	. (	B	· / .		Moi	nth Day	Year	
des	Très	A RE	NEL	RIGGE	Cla	V	rene	LA	razs	1		8 622	de	
RAA				/	l l	lature			0		1	iun Day	real	
E	18.	Discrepancy		· · · · · · · · · · · · · · · · · · ·	l								_I	
	18a	a. Discrepancy Indication Sp	ace Quantity	Туре		[	Residue		Partial Rej	ection		Full Rej	ection	
							anifact Reference	Number						
È	181	. Alternate Facility (or Gene	rator)				annostreterere	Remoon	U.S. EPAID	lumber				
10														
EA (	Fac	sility's Phone:												
E	180	c. Signature of Alternate Fac	liny (or Generator)								M	onth Day I	y Year	
UND	10	Hazardous Wasta Report	lanagement Method Code	s (i.e. codes for hazardous waste tre	atment, discosa	and re	cycling systems)							
NH C	1.	The state is the second of the	2.	- Liei, annos ini inizilianas maste des	3.	.,	-,		4.					
1		H132												
U	20.	Designated Facility Owner	or Operator: Certification of	of receipt of hazardous materials cove	red by the mani	fest exce	ept as noted in Iter	n 18a				anth D	, V	
11	Pri	nted/Typed Name	1		Sig	mature	Jul.	A			14	and Day	129	
EF	AFO	m 8700-22 (Rev. 12-17	Previous editions are	obsolete.	I	-6	DES	IGNATE	D FACILITY	TO EP/	V's e-MA	NIFEST	SYSTEN	



#### Additional information Attachment, Page 2 of 2

#### Manifest Number: 023682106JJK

Shipment ID Number: 9750-03-0007

Shipment Date: 8/29/2022

UHWM Section	RFD	Container / WASTE ID	Barcodo	Description	Accumulation Start Date	Date To Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	NET WT (Ib)	NET Wt (Kg)	Maximum Activity MBq
9b.1	122717	122717-01	PAD22C50629	PF MISC. VACUUM WASTE	05/17/22	05/17/22	5	86	39	30	14	2
Colorador		Totals	1				5	86	39	30	14	2

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.

#### PAD-WD-0901-R1-V7 122717-01

### LAND DISPOSAL NOTIFICATION AND CERTIFICATION

Generator Name:	Four Rivers Nuclear Partnership	Manifest Doc. No. :	023682106JJK
Profile No.:	9750-03-0007	State Manifest No.:	NA

Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater I Wastewater
 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.

DEE #	3. US EPA	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK N	IONE.	5. HOW MUST THE WASTE BE MANAGED?
KEF#	WASTE CODE(S)	DESCRIPTION	NONE	ENTER LETTER FROM BELOW
1	D004	Arsenic	$\boxtimes$	А
2	D006	Cadmium	$\boxtimes$	А
3	D007	Chromium	$\boxtimes$	А
4	D008	Lead	$\boxtimes$	А

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

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

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

#### **RESTRICTED WASTE REQUIRES TREATMENT** A. 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." RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS B.1 "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." DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS **B.4** "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." RESTRICTED WASTE SUBJECT TO A VARIANCE C. 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." RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT D.

RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FORTHER 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. JEFFREY HOLLAWAY (AFFILIATION Digitally signed by JEFFREY (AFFILIATION Digitally signed by JEFFREY Maste Engineer

Signature	(Affiliate)	Date: 2022.07.13 11:39:15 -05'00'	Title	vvaste Engineer	Date 07-13-2022
• _					

Form A1 Page 1 of 2

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 <sup>2</sup>										
F001 through F005 spent solvent constituents and their associated	Treatm	ent Standard <sup>1</sup>	F001 through F005 spent solvent constituents and their associated USEPA hazardous	Treatment Stand	lard <sup>1</sup>					
USEPA hazardous waste code(s).	Wastewaters	Nonwastewaters	waste code(s).	Wastewaters	Nonwastewaters					
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP) <sup>3</sup>					
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) <sup>3</sup>	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) <sup>3</sup>	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					

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

Form A1 Page 2 of 2

Generator Name:	Four Rivers Nuclear Partnership	Manifest Doc. No. :	0230821007

Profile No.:

State Manifest No.:

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

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

REF #	3. US EPA	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICAB	5. HOW MUST THE WASTE BE MANAGED? ENTER	
	WASTE CODE(S)	DESCRIPTION	NONE	LETTER FROM FORM A1, PAGE 1
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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. JEFFREY HOLLAWAY Digitally signed by JEFFREY Digitally signed by JEFFREY HOLLAWAY (Affiliate) Date: 2022.07.13 11:42:27 -05'00'

(Affiliate) Signature

Title Waste Engineer

Form A2 Page 1 of 2 07-13-2022 Date \_

PAD-WD-	-0901-R1-V	7 122717-01

Generator Name:	Four Rivers Nuclear Partnership	Manifest Doc. No. :	023682106 JJK
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0-03-0007

Profile No.:

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

State Manifest No.:

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.

	3. US EPA	4. SUBCATEGORY 3. US EPA ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE.					
REF #	HAZARDOUS WASTE CODE(S)	DESCRIPTIC	DN	NONE		LETTER FROM FORM A1, PAGE 1	
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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. JEFFREY HOLLAWAY (Affiliae) Signature

Title Waste Engineer

07-13-2022 Date

Form A2 Page 2 of 2

### F039/UNDERLYING HAZARDOUS CONSTITUENT (UTS) (Phase IV)

Generator Name:	Four Rivers Nuclear Partnership	Manifest Doc. No. :	023682100		
	0.75				

Profile No.:

0.72	
4/50-03-0007	State

tate Manifest No.:

GJJK NA

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

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	(mg/l)	NWW (mg/kg) unless noted
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.28 <sup>1</sup>
Acenapthene		0.059	3.4	Chlorodibromomethane		0.057	15
Acetone		0.28	160	Chloroethane		0.27	6.0
Acetonitrile		5.6	38 <sup>1</sup>	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 <sup>1</sup>	23 <sup>1</sup>	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.062 <sup>1</sup>	NA <sup>1</sup>
Aldicarb sulfone		0.056 <sup>1</sup>	0.28 <sup>1</sup>	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 <sup>1</sup>	1.4 <sup>1</sup>
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.36	0.75 mg/l <sup>1</sup>
Barban		0.056 <sup>1</sup>	1.4 <sup>1</sup>	o,p'-DDD		0.023	0.087
Bendiocarb		0.056 <sup>1</sup>	1.4 <sup>1</sup>	p,p'-DDD		0.023	0.087
Benomyl		0.056 <sup>1</sup>	1.4 <sup>1</sup>	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 <sup>1</sup>	6.0 <sup>1</sup>	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene <sup>3</sup>		0.11	6.8	Dibenz(a,h)anthracene		0.055	8.2
Benzo(k)fluoranthene <sup>3</sup>		0.11	6.8	Dibenz(a,e)pyrene		0.061	NA
Benzo (a.h.i)pervlene		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		0.44	45			0.000	0.0
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 <sup>1</sup>	1.4 <sup>1</sup>	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
Carbary		0.0061	0.14 <sup>1</sup>	1.1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056 <sup>1</sup>	1.4 <sup>1</sup>	trans-1.2-Dichloroethylene		0.054	30
Carbofuran		0.0061	0.14 <sup>1</sup>	2.4-Dichlorophenol		0.044	14
Carbofuran phenol		0.056 <sup>1</sup>	1.4 <sup>1</sup>	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP <sup>1</sup>	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 <sup>1</sup>	1.4 <sup>1</sup>	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

### PAD-WD-0901-R1-V7 122717-01

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 <sup>1</sup>	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 <sup>1</sup>	1.4 <sup>1</sup>
2.6-Dinitrotoluene		0.55	28	Mexacarbate		0.056 <sup>1</sup>	1.4 <sup>1</sup>
Di-n-octyl phthalate		0.017	28	Molinate		0.042 <sup>1</sup>	1.4 <sup>1</sup>
Di-n-propylnitrosamine		0.40	14	Naphthalene		0.059	5.6
1.4-Dioxane		12.0	170	2-Naphthylamine		0.52	NA
Diphenylamine <sup>3</sup>		0.92	13 <sup>1</sup>	o-Nitroaniline		0.27 <sup>1</sup>	14 <sup>1</sup>
Diphenylnitrosamine <sup>3</sup>		0.92	13 <sup>1</sup>	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 <sup>1</sup>	o-Nitrophenol		0.028 <sup>1</sup>	13 <sup>1</sup>
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 <sup>1</sup>
Endrin		0.0028	0.13	N-Nitroso-di-n-butylamine		0.40	17
Endrin aldehvde		0.025	0.13	N-Nitrosomethylethylamine		0.40	2.3
EPTC		0.042 <sup>1</sup>	1.4 <sup>1</sup>	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 <sup>1</sup>	0.28 <sup>1</sup>
Ethyl ether		0.12	160	Parathion		0.014	4.6
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB		0.10	10
Ethyl methach/late		0.14	160	Pehulate		0.0421	1.41
Ethylene oxide		0.12	NA	Pentachlorobenzene		0.0551	10 <sup>1</sup>
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 <sup>1</sup>	1.4 <sup>1</sup>	Pentachloronitrobenzene		0.055	4.8
Heptachlor		0.0012	0.066	Pentachlorophenol		0.089	7.4
Heptachlor epoxide		0.016	0.066	Phenacetin		0.081	16
Hexachlorobenzene		0.055	10	Phenanthrene		0.059	5.6
Hexachlorobutadiene		0.055	5.6	Phenol		0.039	6.2
Hexachlorocyclopentadiene		0.057	2.4	Phorate		0.021	4.6
HxCDDs (All Hexachrorodibenzo-p-dioxins)		0.000063	0.001	Phthalic acid		0.055 <sup>1</sup>	28 <sup>1</sup>
HxCDFs (All Hexachlorodibenzofurans)		0.000063	0.001	Phthalic anhydride		0.055	28 <sup>1</sup>
Hexachloroethane		0.055	30	Physostigmine		0.056 <sup>1</sup>	1.4 <sup>1</sup>
Hexachloropropylene		0.035	30	Physostigmine salicylate		0.0561	1.41
Indeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.056 <sup>1</sup>	1.4 <sup>1</sup>
lodomethane		0.19	65	Pronamide		0.093	1.5
Isobutyl alcohol		5.6	170	Propham		0.056 <sup>1</sup>	1.4 <sup>1</sup>
Isodrin		0.021	0.066	Propoxur		0.056 <sup>1</sup>	1.4 <sup>1</sup>
Isosafrole		0.081	2.6	Prosulfocarb		0.042 <sup>1</sup>	1.41
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 <sup>1</sup>	Safrole	· · · · · · · · · · · · · · · · · · ·	0.081	22
Methapyrilene		0.081	1.5	Silvex/2,4,5-TP		0.72	7.9
Methiocarb		0.0561	1.41	1,2,4,5-Tetrachlorobenzene		0.055	14
Methomyl		0.028 <sup>1</sup>	0.14 <sup>1</sup>	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-		0.50	30	1 1 2 2-Tetrachloroethane		0.057	6.0
chloroaniline)		0.00	1 50		1	3.001	5.5

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 <sup>1</sup>	Antimony		1.9	1.15 mg/l TCLP⁴
Thiophanate-methyl		0.0561	1.4 <sup>1</sup>	Arsenic	А	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 TCLP⁴
Triallate		0.042 <sup>1</sup>	1.4 <sup>1</sup>	Beryllium		0.82	0.014 mg/l TCLP
Tribromomethane/Bromoform		0.63	15	Beryllium		0.82	1.22 mg/l TCLP⁴
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 TCLP⁴
1,1,1-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.86mg/l TCLP
1,1,2-Trichloroethane		0.054	6.0	Chromium (Total)		2.77	0.60 mg/l TCLP <sup>4</sup>
Trichloroethylene		0.054	6.0	Cyanides (Total)		1.2	590
Trichloromonofluoromethane		0.020	30	Cyanides (Amenable)		0.86	30 <sup>1</sup>
2,4,5-Trichlorophenol		0.18	7.4	Fluoride		35	NA <sup>4</sup>
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/l⁴ 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 <sup>1</sup>	1.5 <sup>1</sup>	Nickel	A	3.98	5.0 mg/l TCLP
Tris-(2,3- Dibromopropyl)phosphate		0.11	0.10 <sup>1</sup>	Nickel		3.98	11 mg/l TCLP <sup>4</sup>
Vernolate		0.042 <sup>1</sup>	6.0 <sup>1</sup>	Selenium		0.82	0.16 mg/l TCLP
Vinyl chloride		0.27	6.0	Selenium		0.82	5.7 mg/l TCLP⁵
Xylenes – mixed isomers (sum of om-, and p-xylene		0.32	30	Silver		0.43	0.30 mg/l TCLP
				Silver		0.43	0.14 mg/l TCLP <sup>4</sup>
				Sulfide		14	NA <sup>2</sup>
				Thallium		1.4	0.078 mg/l TCL P <sup>1</sup>
		×		Thallium		1.4	0.20 mg/l TCLP <sup>4</sup>
				Vanadium		4.3 <sup>2</sup>	1.6 mg/l TCLP <sup>2</sup>
				Zinc	А	2.61	4.3 mg/l TCLP <sup>2</sup>

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

<sup>2</sup> Not an underlying hazardous constituent requiring treatment in a D001-D043 waste.

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

<sup>4</sup> 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.

<sup>5</sup> 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.

Form B1 Page 3 of 3

Ple	ase j	print or type.						Form	Approved. Of	/B No. 2050-003	39
Î	U)	VIFORM HAZARDOUS 1. Generator ID Number WASTE MANIFEST KY 8890008982	2. Page 1 of 2	3. Emer 1-270	gency Response D-441-833	Phone 3	4. Manifest	Tracking Nu 368	2110	JJK	
11	5.0	Generator's Name and Mailing Address Four Rivers Nuclear Partnership, LLC, (FRN)	an mailing addres S. Departm	ent of Ei	nergy						
11		behalf of the U.S. Department of Energy		Padu	ah Gaseou	us Diffusi	on Plant,				
11	Ge	nerator's Photo 11 Hobbs Road, Kevil, KY 42053		5511	Hobbs Rd,	Kevil, KY	42053				
	6.	Transporter 1 Company Name					U.S. EPAID I	lumber			
	7.	Tri-State Motor Transit, Co					U.S. EPAID N	lumber	<u>AOD0850</u>	38998	+
	8.1	Designated Facilit본위명PgyStillft행유할 Clive Disposal Site-Waste Trea	atment Fac	sility			U.S. EPAID	vumber			
		US I-80 Exit 49, Clive, UT 84029						,	UTD8826	98888	
	Fa	icility's Phone: 1-430-884-U100									
	98	a. 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Numbe	er,		10. Contai	ners	11. Total	12. Unit	13. Wa	ste Codes	
	н	M and Packing Group (n any))		CA IN	No.	Туре	Quantity	WUVOI.			-
B		UN 2012, Radioactive material, low specific a	activity (I	-34-1)	1	DM	170 H				-
RAT		Higuid/Oxide 0.4 MBg Fissile Excepted	17200,								
N H C		2.									
Ĩ											
		3.									
11											1
11	$\vdash$	4.									-
											-
	-	Special Handling Instructions and Additional Information				<u> </u>			I I.	<u> </u>	_
	14	Truck: 215011 Trailer: 174036 Tid	: 034930	2	PRO	1362	PCB	Date to	Storage: 0	1/12/222	
		ERG #162 In the event of an RQ Release	, call 1-8	00-424	1-8802		If undeliv	erable	, return to	generatør	
	15	EXClusive Use Snipment, See PCB Attachme	his consignment	doition t are fully a	and accurately de	escribed abov	e by the proper s	nt ILJ:	e, and are classi	ied, packaged,	-
		marked and labeled/placarded, and are in all respects in proper condition for transport a	according to app	licable inte	mational and nat	tional governn	nental regulations	. If export sh	nipment and I am	the Primary	
	L	I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a la	arge quantity ge	enerator) o	r (b) (ift am a sm	all quantity ge	enerator) is true.		Month	Day Van	_
	6	Apprator's Offeror's Printed/Typed Name	FPID		AAAA	All	and		R	129 122	:
-	16	i. International Shipments	Export from	LOA NUS	Port of e	ntry/exit:				1-0-1	
TINI	Tr	ransporter signature (for exports only):			Date leav	ing U.S.:				-	
	17 To	. Transporter Acknowledgment of Receipt of Materials ansporter 1 Printed/Typed Name	s	Ignatu		1			Month	Day Year	1
		TRENE BRIDGE		11	ene (	'Dr	id se		8	12912	2
ANC	Tr	ansporter 2 Printed/Typed Name	S	lignature			1		Month	Day Yea	1
E	18	3. Discrenancy							l		-
11	18	3a. Discrepancy Indication Space		[	Residue		Partial Re	election		Full Rejection	٦
Z	- 18	8b, Allemate Facility (or Generator)		N	lanitest Referenc	e Number:	U.S. EPA ID	Number			$\neg$
Ĩ		Her Auffrid Links i a Luna 🥒 📢 Handrich (1995).									
N I C	Fa	acility's Phone:							Mon	h Dav Ye	ar
ATC:		cc, signature of Attendite Faciny (of Ocherator)									
1010	19	9. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste t	reatment, dispo	sal, and re	cycling systems)						
	5 1.	L1132	3				4.				
	20	0. Designated Facility Owner or Operator: Certification of receipt of hazardous materials cov	vered by the ma	anifest exc	ept as noted in Ite	em 18a	I				-
	P	rinted/Typed Name	1	Signature	1.1	1			Mont	h Day Yea	3
E	PAF	orm 8700-22 (Rev. 12-17) Previous editions are obsolete.		-Y	DE	SIGNATE	DEACILITY	( TO EP	A's e-MAN	FEST SYST	EM
-											



#### PCB and Additional Information Attachment, Page 2 of 2

#### Manifest Number: 023682110 JJK

Shipment ID Number: 9750-04-0013

#### Shipment Date: 8/29/2022

	UHWM Section	RFD	Container / WASTE ID	Barcode	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	NET WT (Ib)	NET Wt (Kg)	Maximum Activity MBq
1	9b.1	122622	122622-01	PAD22C50117	VENTILATION DUCT OIL AND WATER	01/12/22	5.95	450	204	394	179	0.4
			Totals	1			5.95	450	204	394	179	0.4

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.

Ple	ase p	rint or type.								Form	Approved.	OMB No. 2	050-0039
Î	UN	IFORM HAZARDOUS VASTE MANIFEST	1. Generator ID Number	KY 8890008982	2. Page 1 of 2	3. Emerg 1-27	gency Response 70-441-6333	Phone 3	4. Manifest	Tracking Nu 368	211	1 JJ	K
	5. G	enerator's Name and Mailin Four Ri	Ners Nuclear Partn	ership, LLC, (FRNP) o	n behalf of	Generato	FRN	P on beh	alf of the U	I.S. Depi	artment o	of Energy	/
			the U.S. De	partment of Energy	0.2			Paduc	ah Gaseo	us Diffus	ion Plant		
11	Gen	erator's Phone:	0011 HODDS H	1020, Kevil, KY 42003				5511	HODDS KO	, Kevil, K	Y 42003		
	6. T	ransporter 1 Company Nan Tri-State	Motor Transit Co						MOD095038998				
	7. T	ransporter 2 Company Nam	18						U.S. EPA ID I	Number			
			10% 411							Number			
	8. D	esignated Facility Name and Energy:	id Site Address Solutions Clive Disp	osal Site-WasteTreatm	nent Facility	/ .			0.3. EFAIDI	Number			
11		US 1-80	Exit 49, Clive, UT	84028									_
	Fac	ility's Phone:	24-0100						1		UTD9	8259885	18
11	9a.	9b. U.S. DOT Descript and Packing Group (if	ion (including Proper Shippin any))	g Name, Hazard Class, ID Number	6		10. Contain No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13.	Waste Codes	3
	R		2013, Radioactive r	naterial, surface contair	minated ob	jects,	1	DM	68	к			
ATOF		(30	Solid/Oxide	. 1.2 MBa. Fissile Exce	nted	F200,							
NFR	-	2.			/								
6													
	-	3.											
		4.											
			5.400 A.4	and the second sec	-					0000			
	14.	Special Handling Handler	162 In the event (	n <del>et mana CB</del> 8121	1-800-424	-8802			lf undeli	PCB Di verable	ate to Sto return to	nage: u	131122
		Exclusiv	e Use Shipment, S	ee PCB Attachment for	r Additiona	I Info			Shipn	nent ID:	7340-0	8-0025	
	15	CENERATOP'S/DEEER	AL ZISON TO	ailer: 174036	his consignment	1950	Z PK	scribed above	by the proper s	hipping nam	e, and are cla	ssified, pack	aged,
	15.	marked and labeled/plac	arded, and are in all respects	s in proper condition for transport and the attack	coording to appl	icable inte	emational and nati t of Consent.	ional governm	ental regulation	s. If export sh	ipment and I	am the Prim	ary
		I certify that the waste mi	inimization statement identifi	ed in 40 CFR 262.27(a) (if I am a la	arge quantity ge	nerator) o	r (b) (if I am a sma	all quantity ger	nerator) is true.		Mo	oth Day	Year
	Ge	nerator's/Offeror's Printed/I	Theste un	behalf off	RAPI	An	dalad	MA	)	÷	b	8109	122
F	1 16.	International Shipments	Import to U.S.		Export from	U.S.	Port of en	itry/exit:				12-1	
LINI	Tra	ansporter signature (for exp	orts only):				Date leav	ing U.S.:					
	Tra	nsporter 1 Printed/Typed N	ame ·/		SI	gnaty/		D	1		Мо	nth Day	Year
000		TRENE	BRIDGE			<u>I</u>	unl	BA	age			ath Day	122 Year
NAN C		insporter 2 Printedri yped N	anne		ľ	gnatore			0				1.
ľ	18	Discrepancy											
	18	a. Discrepancy Indication S	pace Quantity	Туре		[	Residue		Partial R	ejection		Full Rej	jection
						Ν	Anifest Referenc	e Number:					
È	18	b. Alternate Facility (or Gen	ierator)						U.S. EPA ID	) Number			
104		cility's Phone:							1				2
1	18	c. Signature of Alternate Fa	cility (or Generator)								M	onth Da	iy Year
		Harardeus Masta Papart	Management Method Codes	lie codes for hazardous waste t	reatment dispo	sal, and re	ecycling systems)						
i c		. Hazaroous waste Report	2.	The, 00063 101 11220 0003 112310 0	3.		sojomig ojotanioj		4.				
1	iL	H132		(	used by the	nifeet av-	ant on orderd in the	um 18a					
	20 Pr	. Designated Facility Owne inted/Typed Name	r or Operator: Certification of	receipt of hazardous materials co	verea by the ma	Signature		1			M	onth Da	y Year
	ł	Justin	Lee			_4	fent	tur	DELOU	V TO PO	Alm	9 1	22
E	PAF	orm 8700-22 (Rev. 12-1	<ol><li>Previous editions are</li></ol>	obsolete.		0	DE	SIGNATE	D FACILIT	Y TO EP	A'S 6-MA	MIPEST	STRIEN

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#### PCB and Additional Information Attachment, Page 2 of 2

Manifest Number: 023682111 JJK

Shipment ID Number: 7340-08-0025

#### Shipment Date: 8/29/2022

	UHWM Section	RFD	Container / WASTE ID	Barcode	Description	PCB Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Grass Wt (Kg)	NET WT (Ib)	NET WE (Kg)	Maximum Activity MBq
1	9b.1	122540	122540-01	PAD22C50157	PCB LIGHT BALLAST	01/31/22	2.67	179	81	149	68	1.2
			Totals	1			2.67	179	81	149	68	1.2

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.

1

Four Rivers Nuclear Partnersnip, LL ( FRNP is responsible for performing all EM0004895, including, but not limited with RCRA requirements. Transportat	Resource Conservation and Recovery Act (RCRA) g is to, charactertaing waste, manifesting waste to off ion hereunder is for DOE and the actual total trans	generator activities on I-site facilities, packagi sportation charges paid	behalf of both FRNP an and labeling wasted are to be reimbursed	nd DOE for all a for transport, a by the Govern	ctivities under the nd storing and ma ment pursuant to t	scope of F naging wa Contract D Form	RNP's Contrac ste, in accorda E-EM0004895.	nce	2050-0039
VINIFORM HAZARDOUS     VASTE MANIFEST	tor ID Number KY 8890008982	2. Page 1 of 3. 2	Emergency Response 1-270-4	Phone 441-6333	4. Manifest Tr		211	2 J.	JK
5. Generator's Name and Mailing Address Four Rivers Nucle	ear Partnership, LLC, (FRNP	Ge ) an	nerator's Site Address FRNP	(if different that on behalf	of the U.S.	) Depar	tment of E	Energy	
behalf of the U.S.	Department of Energy			Paducat	n Gaseous I	)iffusio	n Plant,		
Generator's Stand Hobbs Road	I, Kevil, KY 42053			0011 H	US EPAID N	WII, KY	42053		
6, Transporter 1 Company Name	"						MOD	00503	
7. Transporter 2 Company Name	ransit, Co				U.S. EPAID N	mper	WICE	02000	0000
8. Designated Facility Name and Site Add	ress				U.S. EPA ID N	Imper			
EnergySolutions	Clive Disposal Site-Waste Tr	reatment					UTD	98259	3898
Facility's Phone:	-0155								
9a. 9b. U.S. DOT Description (including HM) and Packing Group (if any))	ng Proper Shipping Name, Hazard Class, ID Numl	ber,	10. Contai No.	iners Type	11. Total Quantity	12. Unit WL/Vol.	13.	Waste Code	s
UN 2912, Radioacti	ve material, low specific activity (l 238 Pu-239 TC-99 Th-230 So	_SA-I), 7, lid/Oxide.	3	- DM	108	к			
21.46 MBa. Fissile I	Excepted								
	nuswaste liquid n.n.s. (Re	nzene					12018	Pozl	Dozz
RQ Chlombenzene)	9 PG III (D018 PCR)		1	DM	200	к	D032		
3.							DNR	Dx39	
NA 3082, Hazaro	lous waste, liquid, n.o.s., (Be	enzene,	1.	-	174	10	000	1.WI	
RQ . Tetrachloroethyle	ne), 9, PG III, (D018, D039)	l	1	NN.	171	n			
4 ,									
14. Special Handing Instructions and Add	Roha 1999	-PCB Date to	Stolage_10/19	6 8/29	ez Acci	mulat	ion Star	te Date	. 04/13/2
ERG # 162, 171	In the event of an RQ Rele	ease, call 1-8	00-424-8802		If uni	deliver	rable, re	tum to	generati
Exclusive Use St	nipment		pm	0254	Ship	ment	ID: 975	0-09-0	030
Tarck: 213011	Van:1761036 108 Da	te to Stor	age 10/19	1202	Tid: 63	493	52	alfod and	
15. GENERATOR'S/OFFEROR'S CER marked and labeled/placarded, and Exporter, I certify that the contents of	THECATION: Thereby declare that the contents of are in all respects in proper condition for transport if this consignment conform to the terms of the atta	t according to applicab ached EPA Acknowled	le International and na gment of Consent.	itional governm	ental regulations.	lf export s	hipment and I	am the Prin	nary
I certify that the waste minimization	statement identified In 40 CFR 262.27(a) (if I am a	a large quantity general Sional	tor) or (b) (if I am a sm ure	nall quantity get	nerator) is true.		Mo	nth Day	Year
I Cindare Giller	te on hehalfaff	RNP 1	indato o	Lilli	$\mathcal{H}$		1	1.	T
16. International Shipments			Portofe	entry/exit					
Transporter signature (for exports only):			Date leav	ving U.S.:			7-1		
17. Transporter Acknowledgment of Recei	pt of Materials	01							
Transporter 1 Printed/Typed Name	Raidae	Signai		1/3	1. de	8	1 <	7 I	G 22
Transporter 2 Printed/Typed Name	SEIMIGE	Signa	Ure		may	~	Mo	nth Day	Year
KA	/	1			•		1	.	
18. Discrepancy									
18a. Discrepancy Indication Space			Residue		Partial Rel	ection		Full Re	election
			Manifest Reference	ce Number:		lumbor			
BD. Allemate Facility (or Generator)					U.S. EPAID	an iner			
Eacility's Phone					1				
18c. Signature of Alternate Facility (or Ge	nerator)		10 C 10 C 100				М	onth Da	ay Year
NAT								·	
19. Hazardous Waste Report Manageme	nt Method Codes (i.e., codes for hazardous waste	e treatment, disposal, i	and recycling systems	)					
出1.	2.	3.	1122		4.				
HISL	r1132	covered by the ma-We	FIISC	om 182					
20. Designated Facility Owner or Operate Printed/Typed Name	or: Ceruncation of receipt of hazardous materials of	Signa	ture				M	onth Da	iy Year
			//	//					100
+ Justin Leo			(Alustill	Lu.				911	12



#### Additional Information Attachment, Page 2 of 2

#### Manifest Number: 023682112 JJK

Shipment Date: 8/29/2022

UHWM Section	RFD	Container / WASTE ID	Barcode	Description	Accumulation Start Date	PCB/Date to Storage	NET VOLUME (ft3)	GROSS WT (lb)	Gross Wt (Kg)	NET WT (Ib)	NET WŁ (Kg)	Maximum Activity MBq
9b.1	122623	122623-05	PAD22C50122	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	N/A	01/25/22	7	143	65	87	39	7.81
9b.1	122623	122623-06	PAD22C50123	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	NA	04/05/22	7	129	59	73	33	6.55
9b.1	122623	122623-07	PAD22C50124	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	NA	06/09/22	7	135	61	79	36	7.09
9b.2	121255	121255-05	PAD21C47548	LUBE OIL/PCB RINSEATE COLLECTED IN SIGHT GLASSES FROM TRANSFORMER DRAINING	07/26/22	10/19/21	6.95	497	225	441	200	NA
9b.3	121458	121458-19	PAD22C50339	USED OIL FROM MOBILE EQUIPMENT	04/13/22	N/A	7.08	433	196	377	171	NA
		Totals	5				35.03	1337	606	1057	479	21.45

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.

## 121255-05

### LAND DISPOSAL NOTIFICATION AND CERTIFICATION

Generator Name:	Four Rivers Nuclear Partnership	Manifest Doc. No. :	6236821125JK
Profile No.:	9750-09-0030	State Manifest No.:	NIA

- Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-wastewater 🛛 Wastewater 🗌 1.
- Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the 2. 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.

	3. US EPA	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK N	5. HOW MUST THE WASTE BE MANAGED?	
REF #	WASTE CODE(S)	DESCRIPTION	NONE	ENTER LETTER FROM BELOW
1	D018	TCLP Benzene		А
2	D021	TCLP Chlorobenzene		A
3	D027	TCLP 1,4-Dichlorobenzene		A
4	D032	TCLP Hexachlorobenzene		A

To identify F039 or D001-D043 underlying hazardous constituent (s), use the "F039/Underlying Hazardous Constituent Form" provided (Form B1) and check here 🗌 If no UHCs are present in the waste upon its initial generation check here:

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

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

RESTRICTED WASTE REQUIRES TREATMENT A. 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." RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS **B.1** "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." GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS **B.3** "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." DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS **B.4** "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." **RESTRICTED WASTE SUBJECT TO A VARIANCE** C. 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."

### RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

D. "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."

#### WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS E.

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 s	submitted in this and all ass	sociated o	documents is complete and accurate, to the bes	t of my kno	wledge and information.
JOSHUA NORMAN	Digitally signed by JOSHUA NORMAN		Waste Engineer	D.I.	8/4/2022
Signature (Affiliate)	Date: 2022.08.04 14:29:31 -04'00'	Title		Date_	01412022

Form A1 Page 1 of 2

### 

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	Treatment Standard <sup>1</sup>		F001 through F005 spent solvent constituents and their associated USEPA hazardous	Treatment Standard <sup>1</sup>						
USEPA hazardous waste code(s).	Wastewaters	Nonwastewaters	waste code(s).	Wastewaters	Nonwastewaters					
Acetone (F003)	0.28	160	Methanol (F003)	5.6	0.75 (TCLP) <sup>3</sup>					
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) <sup>3</sup>	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) <sup>3</sup>	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					

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

Form A1 Page 2 of 2

	L, L	11255-05		
	LAND DISPOSAL NOTIFICATION	AND CERTIFICATION	I (PHASE IV)	
or Name:	Four Rivers Nuclear Partnership	Manifest Doc. No. :	023682112 JJK	8

Profile No.:

Generat

9750-09-0030

State Manifest No .:

NIA

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 <u>IS NOT</u> 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.

3. US EPA REF # HAZARDOUS		4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK	5. HOW MUST THE WASTE BE MANAGED? ENTER	
REF #	WASTE CODE(S)	DESCRIPTION	NONE	LETTER FROM FORM A1, PAGE 1
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
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17				
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20				
21		QN		
22		8/4/2022		×
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26				
27	6			
28				
29	9			
30				
31				
32				
33				
34				
35	<b>x</b>			►

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 JOSHUA NORMAN (Affiliate) Date: 2022.08.04 14:28:47 - 04'00'

Title Waste Engineer

Date 8/4/2022

Form A2 Page 1 of 2

Generator Name:

Manifest Doc. No. :

023682112JJK

Profile No.:

9750-09-0013

Four Rivers Nuclear Partnership

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.

State Manifest No.:

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.

RFF #	3. US EPA	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK	5.	5. HOW MUST THE WASTE BE MANAGED? ENTER		
	WASTE CODE(S)	DESCRIPTION				ETTER FROM FORM A1, PAGE 1
36				$\square$	_	
37				$\Box$		
38				$\square$		
39						
40				$\square$		
41				$\square$		/
42				$\Box$	1	
43				冇		
44		/	ľ	$\square$		
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46				$\square$		
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60						
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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. JOSHUA NORMAN (Affiliate) Digitally signed by JOSHUA NORMAN (Affiliate) Digitally signed by JOSHUA NORMAN (Affiliate) Digitally signed by JOSHUA NORMAN (Affiliate)

Title Waste Engineer

or

Form A2 Page 2 of 2 8/4/2022

Date

### フレステム・5 F039/UNDERLYING HAZARDOUS CONSTITUENT (UTS) (Phase IV)

Generator Name:

Profile No.:

## Four Rivers Nuclear Partnership

Manifest Doc. No. :

623682112 JJK

97:

9756-09-0030

State Manifest No.:

NA

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

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/kg) unless
Acenaphthylene		0.059	3.4	2-Chloro-1,3-butadiene		0.057	0.281
Acenapthene		0.059	3.4	Chlorodibromomethane	1	0.057	15
Acetone		0.28	160	Chloroethane		0.007	60
Acetonitrile		5.6	38 <sup>1</sup>	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 <sup>1</sup>	23 <sup>1</sup>	p-Chloro-m-cresol		0.018	14
Acrylonitrile		0.24	84	2-Chloroethyl vinyl ether		0.0621	NA <sup>1</sup>
Aldicarb sulfone		0.056 <sup>1</sup>	0.28 <sup>1</sup>	Chloromethane/Methyl chloride		0.19	30
Aldrin		0.021	0.066	2-Chloronaphthalene		0.055	56
4-Aminobiphenyl		0.13	NA	2-Chlorophenol		0.033	5.0
Aniline		0.81	14	3-Chloropropylene		0.044	30
Anthracene		0.059	3.4	Chrysene		0.050	34
Aramite		0.36	NA	o-Cresol		0.000	5.4
alpha-(BHC)		0.00014	0.066	m-Cresol		0.77	5.0
beta-(BHC)		0.00014	0.066	p-Cresol		0.77	5.6
delta-(BHC)		0.023	0.066	m-Cumenyl methylcarbamate		0.0561	1.41
gamma-(BHC)		0.0017	0.066	Cyclohexanone		0.000	0.75 mg/l1
Barban		0.056 <sup>1</sup>	1.4 <sup>1</sup>	o,p'-DDD		0.023	0.087
Bendiocarb		0.056 <sup>1</sup>	1.4 <sup>1</sup>	p,p'-DDD		0.023	0.087
Benomyl		0.056 <sup>1</sup>	1.4 <sup>1</sup>	o,p'-DDE		0.020	0.087
Benzene		0.14	10	p,p'-DDE		0.031	0.087
Benz(a)anthracene		0.059	3.4	o,p'-DDT		0.001	0.087
Benzal chloride		0.055 <sup>1</sup>	6.0 <sup>1</sup>	p,p'-DDT		0.0039	0.087
Benzo(b)fluoranthene <sup>3</sup>		0.11	6.8	Dibenz(a,h)anthracene		0.055	82
Benzo(k)fluoranthene <sup>3</sup>		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		0.001	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	60
n-Butyl alcohol		5.6	2.6	p-Dichlorobenzene		0.000	6.0
Butylate		0.042 <sup>1</sup>	1.4 <sup>1</sup>	Dichlorodifluoromethane		0.030	7.2
Butyl benzyl phthalate		0.017	28	1.1-Dichloroethane		0.25	6.0
2-sec-Butyl-4,6- dinitrophenol/Dinoseb		0.066	2.5	1,2-Dichloroethane		0.21	6.0
Carbaryl		0.006 <sup>1</sup>	0.14 <sup>1</sup>	1.1-Dichloroethylene		0.025	6.0
Carbenzadim		0.056 <sup>1</sup>	1.4 <sup>1</sup>	trans-1 2-Dichloroethylene		0.025	0.0
Carbofuran		0.006 <sup>1</sup>	0.14 <sup>1</sup>	2.4-Dichlorophenol		0.034	30
Carbofuran phenol		0.056 <sup>1</sup>	1.4 <sup>1</sup>	2.6-Dichlorophenol		0.044	14
Carbon disulfide		3.8	4.8 mg/l TCLP <sup>1</sup>	2,4-Dichlorophenoxyacetic acid/2,4-D		0.72	14
Carbon tetrachloride		0.057	6.0	1,2-Dichloropropane		0.85	18
Carposultan		0.028 <sup>1</sup>	1.4 <sup>1</sup>	cis-1,3-Dichloropropylene		0.036	18
isomers)	Qu	0.0033	0.26	trans-1,3-Dichloropropylene	av	0.036	18
p-Chloroaniline	8/4/2022	0.46	16	Dieldrin	8/4/2022	0.017	0.13
Chlorobenzene	▶	0.057	6.0	Diethyl phthalate		0.20	28

Form B1 Page 1 of 3

CONSTITUENT			1212	-22-02			
Chloreles	HOW MUST THIS CONSTITUENT BE MANAGED	WW (mg/l) ?	NWW (mg/kg) unless noted	CONSTITUENT	HOW MUST THIS CONSTITUENT	WW (mg/l)	NWW (mg/kg unless
2 4 Dimothyl phanel		• 0.10	NA	p-Dimethylaminoazobenzene	BE WANAGED?	0.401	noted
2,4-Dimetnyl phenol		0.036	14	Methylene chloride		1 0.13	NA
Dinetity phthalate		0.047	28	Methyl ethyl ketone		0.089	30
1 4-Dipitrobonzono		0.057	. 28	Methyl isobutyl ketone		0.28	36
4 6-Dinitro-o-crosol		0.32	2.3	Methyl methacrylate		0.14	33
2 4-Dinitrophenol		0.28	160	Methyl methansulfonate		0.14	160
2.4-Dinitrotoluene		0.12	160	Methyl parathion		0.018	INA 1.6
2.6-Dinitrotoluene		0.32	140	Metolcarb		0.014	4.0
Di-n-octyl phthalate	+	0.55	28	Mexacarbate		0.0561	1.4
Di-n-propyInitrosamine		0.017	28	Molinate		0.0421	1.4
1,4-Dioxane	1	0.40	14	Naphthalene		0.059	5.6
Diphenylamine <sup>3</sup>		12.0	170	2-Naphthylamine		0.52	NA
Diphenylnitrosamine <sup>3</sup>		0.92	13	o-Nitroaniline		0.27 <sup>1</sup>	14 <sup>1</sup>
1,2-Diphenylhydrazine		0.92	13.	p-Nitroaniline		0.028	28
Disulfoton		0.007	6.2	Nitrobenzene		0.068	14
Dithiocarbamates (total)		0.028	281	o Nitropherel		0.32	28
Endosulfan I		0.023	0.066	n-Nitrophenel		0.028 <sup>1</sup>	13 <sup>1</sup>
Endosulfan II		0.029	0.000	p-INItrophenol		0.12	29
Endosulfan sulfate		0.029	0.13	N-Nitrosodimethylamine		0.40	28
Endrin		0.0028	0.13	N-Nitroso di p butulamine		0.40	2.3 <sup>1</sup>
Endrin aldehyde		0.025	0.13	N-Nitrosomethylothylomine		0.40	17
EPIC		0.042 <sup>1</sup>	1.41	N-Nitrosomorpholipe		0.40	2.3
Ethyl acetate		0.34	33	N-Nitrosoniperidine		0.40	2.3
Ethyl benzene		0.057	10	N-Nitrosopyrrolidine		0.013	35
Ethyl cyanide/Propanenitrile		0.24	360	Oxamyl		0.013	35
Ethyl ether		0.12	160	Parathion		0.056	0.281
Bis(2-Ethylhexyl)phthalate		0.28	28	Total PCBs (sum of all PCB		0.014	4.6
Ethyl methacrylate		0.14	160	Pehulate		0.10	10
Ethylene oxide		0.12	NA	Pentachlorobenzeno		0.042 <sup>1</sup>	1.4 <sup>1</sup>
Famphur		0.017	15	PeCDDs (All Pentachlorodihonza n diavia)		0.0551	101
Fluoranthene		0.068	3.4	PeCDFs(All		0.000035	0.001
Fluorene		0.059	34	Pentachlorodibenzofurans)		0.000035	0.001
ormetanate hydrochloride		0.0561	1.4	Pentachloroethane		0.055	6.0
Heptachlor		0.0012	0.066	Pentachioronitrobenzene		0.055	4.8
leptachlor epoxide		0.016	0.000	Phonocetin		0.089	7.4
lexachlorobenzene		0.055	10	Phenanthreno		0.081	16
lexachlorobutadiene		0.055	5.6	Phenol		0.059	5.6
lexachlorocyclopentadiene		0.057	2.4	Phorate		0.039	6.2
1xCDDs (All lexachrorodibenzo-n-dioxina)		0.000063	0.001	Phthalic acid		0.021	4.6
IxCDFs (All		0.000063	0.001			0.055 <sup>1</sup>	28 <sup>1</sup>
lexachloroethane		0.055	30	Phinalic anhydride		0.055	28 <sup>1</sup>
lexachloropropylene		0.035	30	Physostigmine soliovlato		0.056 <sup>1</sup>	1.4 <sup>1</sup>
ndeno(1,2,3-c,d)pyrene		0.0055	3.4	Promecarb		0.0561	1.4 <sup>1</sup>
odomethane		0.19	65	Pronamide		0.056 <sup>1</sup>	1.4 <sup>1</sup>
sobutyl alcohol		5.6	170	Propham		0.093	1.5
		0.021	0.066	Propoxyr		0.0561	1.41
epopo		0.081	2.6	Prosulfocarb		0.056	1.4
epone		0.0011	0.13	Pyrene		0.042	1.4'
ethanol		0.24	84	Pyridine		0.007	8.2
ethanyrilene		5.6	0.75 mg/l <sup>1</sup>	Safrole		0.014	16
ethiocarb		0.081	1.5	Silvex/2,4,5-TP	1 1	0.001	22
othotalb		0.056 <sup>1</sup>	1.4 <sup>1</sup>	1,2,4,5-Tetrachlorobenzene		0.72	1.9
ethomyl		0.028 <sup>1</sup>	0.14 <sup>1</sup>	TCDDs (All Tetrachlorodibenzo-p-dioxins)		0.000063	0.001
ethoxychlor	QN	0.25	0.18	TCDFs (All Tetrachlorodibenzo-furans)	$\alpha$	0.000063	0.001
vietnylcholanthrene	/ 8/4/2022	0.0055	15	1.1.1.2-Tetrachloroethane	81412022		0.001
+ -ivietnyiene bis(2-		0.50	30		01412022 (	J.057	6.0
loroaniine)		0.00	30	1,1,2,2-1 etrachloroethane	▶ (	0.057	6.0

Form B1 Page 2 of 3

# 121255-05

Tetrachloroethylene	HOW MUST THIS CONSTITUE BE MANAGI	NT ED?	WW (mg/l)	NV (m un not	VW g/kg) less ted	CONSTITUENT		HOW M THIS CONST	MUST		NW mg/l)	NWW (mg/k
2,3,4,6-Tetrachlorophanal			0.056	6.0		INORGANIC	C. S. Salar	BEMA	NAGED	?		unless noted
Thiodicarb			0.030	7.4		Antimony						1
Thiophanal		$\square$	0.0191	1.41		Antimony				1.	9	2.1 mg
Thiophanate-methyl		$\prod$	0.0561	1.41		Arsenia				1.	9	1.15 mg
Toyonha			0.080	10		Barium				1.4	4	5.0 mg/
Toxaphene			0.0095	26		Danum				1.2	2	7.6 mg/
Triallate			0.0421	1 41		Barium				1.2		21 mg/l
Tribromomethane/Bromoform			0.62	1.4		Beryllium			-+	0.8	2	TCLP <sup>4</sup>
2,4,6-Tribromophenol			.03	15		Beryllium				0.0	۲ 	TCLP
1,2,4-Trichlorobenzene		0	.035	7.4		Cadmium				0.82	2	TCLP <sup>4</sup>
1,1,1-Trichloroethane		0.	.055	19		Cadmium				0.69	)	0.19 mg/ TCLP
1,1,2-Trichloroethano		0.	054	6.0	0	Chromium (Total)				0.69		0.11 mg/ TCLP⁴
richloroethylene		0.0	054	6.0	0	Chromium (Total)				2.77		0.86mg/l TCLP
richloromonethy		0.0	054	6.0	c	Vanides (Total)				2.77		0.60 mg/l
		0.0	)20	30		Vanidos (10tal)				1.2		590
4,5-1 richlorophenol		0.1	8	74		yanides (Amenable)				0.86		30 <sup>1</sup>
4,6-Trichlorophenol		0.0	35	7.4		uoride				35		
4,5-1 richlorophenoxyacetic id/2,4,5-T		0.00		7.4	Le	ad				0.00	I	1A⁴
2,3-Trichloropropane		0.72		7.9	Le	ad		-+	-+	0.69	0	.37 mg/l
,2-Trichloro-1,2,2-		0.85	; ;	30	Me Re	rcury (Nonwastewater from	n			0.69	T	.75 mg/l⁴ <u>CLP</u>
ethylamine		0.05	7 3	30	Me	rcury (All others)			N	JA	0. T	20 mg/l CLP
5-(2,3-		0.08	1 <sup>1</sup> 1	.5 <sup>1</sup>	Nic	kel			0	.15	0. T(	025 mg/l
romopropyl)phosphate		0.11	0	.10 <sup>1</sup>	Nick				3.	98	5.0	) mg/l
		0.042	1 6.	01	Sala				3.	98	11	mg/l
1 chloride	QN	0.27	6	0	Sele	nium			0.8	82	0.1	<u>LP</u> ⁴ 6 mg/l
.m-, and p-xylene	8/4/2022	0.32			Sele	nium			0.8	32	<u> </u>	LP ma/l
		0.02	30		Silve	r	$\square$			2		_P <sup>5</sup>
					Silve	r	++		0.4		TCI	<u>_P</u>
		$\leq$	$\square$		Sulfid	е	$\vdash$		0.4	3	TCL	⊦mg/l .P⁴
					Thalli	um	$\vdash$		14		NA <sup>2</sup>	
					Thalliu	Im			1.4		0.07 TCL	8 mg/l
- Ja					Vanad	lium			1.4		0.20	mg/l
0 8/4	4/2022						gr	)	4.3 <sup>2</sup>		1.6 m	ig/l

ble as underlying hazardous constituents. These constituents are not constituents that require treatment in F039 wastes. ot an underlying hazardous constituent requiring treatment in a D001-D043 waste. 4.3 mg/l TCLP<sup>2</sup> hese compounds are regulated by the sum of their concentration instead of as individual constituents.

hese 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 fective 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.

Form B1 Page 3 of 3 **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>Shiament</u>	<u>UHWM #</u>	Disposal Date	<u>Volume (Cu/Ft)</u>	<u>Process</u>	Disposal Location
9 <b>7</b> 50-04-0009	95128	12/30/2021	22.5	Landfill	Mixed Waste
9750-04-0010	95234	12/30/2021	7.5	Landfill	Mixed Waste



(1)

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 varification that this information is true, accurate and complete.

3/22 **Brennon Dick** For B. Dick Operations Manager

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

B-3

**ENERGY**Solutions

### **CERTIFICATE OF DISPOSAL**

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

#### DOE, Paducah, Paducah

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

<u>Shipment</u>	<u>UHWM #</u>	<u>Disposal Date</u>	<u>Volume (Cu/Ft)</u>	<u>Process</u>	<u>Disposal Location</u>
9750-04-0009	95128	12/30/2021	22.5	Landfill	Mixed Waste
9750-04-0010	95234	12/30/2021	7.5	Landfill	Mixed Waste



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

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

13/22 Date Brennon Dick For B. Dick **Operations Manager** 

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:

Shipment .	UHWM #	Disposal Date	Volume (Cu/Ft)	Process	<b>Disposal Location</b>
9750-09-0016	95147	03/29/2022	60.8	Landfill	Mixed Waste
9750-09-0021	5211	03/29/2022	24.0	Landfill	Mixed Waste
9750-09-0022	95261	03/29/2022	30.0	Landfill	Mixed Waste

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BY:	9

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: 2022.04.04 05:34:30 -06'00'

Brennon Dick Operations Manager 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:

7.4

22.2

<b>Shipment</b>	<u>UHWM #</u>
9750-09-0023	95309
9750-09-0024	5351

**Disposal Date** 03/11/2022 03/11/2022

Volume (Cu/Ft)

Process Landfill Landfill

**Disposal Location** Mixed Waste Mixed Waste



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

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

Digitally signed by Brennon Dick Brennon Dick Date: 2022.03.22 16:20:31 -06'00'

**Brennon Dick Operations Manager**  Date

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



Certificate of Disposal

Date of Certificate: December 06, 2022 PA ID Number TXD988088464

Regina Pea Four Rivers Nuclear Partnership 5511 Hobbs Road C-743 Trailer 1 Kevil, KY 42053

Reference:

 WCS Profile #:
 WP-9519

 Manifest(s):
 WP-9519-01-12-14-21 UHWM #: 019695317JJK

 Received On:
 December 15, 2021

This is to certify that the PCB waste shipped to WCS on the above mentioned manifest was disposed of on **December 02, 2022** in the WCS TSCA authorized waste landfill associated with the EPA ID Number above. Disposal is subject to all applicable licenses, permits, authorizations and regulations.

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

Waste Control Specialists LLC is pleased to have the opportunity to provide you with the quality waste management services that you need. If you have any questions or need further assistance, please feel free to contact me at (432) 525-8726.

Sincerely, WASTE CONTROL SPECIALISTS LLC

Tom Hannah Technical Services Project Manager



Corporate 17103 Preston Rd. Ste. 200 Dallas, TX 75248 Ph. 682.503.0030 Fax. 214.853.5720

RCRA/TSCA East + West Landfill PCB Certificate of Disposal RM-3.2.2-1 Records Management RM-3.2.2 Issuance of Certificates of Disposal/Treatment Effective Date 12/01/2016 Revision 3 Facility P.O. Box 1129 Andrews, TX 79714 Ph. 432.525.8500 Fax. 432.203.2359



# Certificate of Disposal

Date of Certificate: December 06, 2022 PA ID Number TXD988088464

Regina Pea Four Rivers Nuclear Partnership 5511 Hobbs Road C-743 Trailer 1 Kevil, KY 42053

#### Reference:

WCS Profile #: Manifest(s): Received On:

WP-9519 WP-9519-02-12-14-21 UHWM #: 019695318JJK December 15, 2021

This is to certify that the PCB waste shipped to WCS on the above mentioned manifest was disposed of on **December 02, 2022** in the WCS TSCA authorized waste landfill associated with the EPA ID Number above. Disposal is subject to all applicable licenses, permits, authorizations and regulations.

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

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Sincerely, WASTE CONTROL SPECIALISTS LLC

Tom Hannah Technical Services Project Manager



Corporate 17103 Preston Rd. Ste. 200 Dallas, TX 75248 Ph. 682.503.0030 Fax, 214.853.5720

RCRA/TSCA East + West Landfill PCB Certificate of Disposal RM-3.2.2-1 Records Management RM-3.2.2 Issuance of Certificates of Disposal/Treatment Effective Date 12/01/2016 Revision 3 Facility P.O. Box 1129 Andrews, TX 79714 Ph. 432.525.8500 Fax. 432.203.2359
3 miles South, Exit 49, I-80 Clive, Utah 84029 EPA ID: UTD982598898

#### DOE, Paducah, Paducah

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

Shipment .	UHWM #
9750-09-0023	95309
9750-09-0024	5351

<u>Disposal Date</u> 03/11/2022 03/11/2022 <u>Volume (Cu/Ft)</u> 7.4 22.2 <u>Process</u> Landfill Landfill Disposal Location Mixed Waste Mixed Waste



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

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

Brennon Dick Digitally signed by Brennon Dick Date: 2022.03.22 16:20:31 -06'00'

Brennon Dick Operations Manager Date

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

#### DOE, Paducah, Paducah

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

<u>Shipment</u>	<u>UHWM #</u>	Disposal Date	Volume (Cu/Ft)	Process	<b>Disposal Location</b>
7340-08-0018	5353	02/04/2022	122.0	Landfill	Mixed Waste



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

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

Brennon Dick

2-10-22 Date

Brennon Dick Operations Manager



Certificate of Disposal

Date of Certificate: December 06, 2022 PA ID Number TXD988088464

Regina Pea Four Rivers Nuclear Partnership 5511 Hobbs Road C-743 Trailer 1 Kevil, KY 42053

#### Reference:

WCS Profile #:	WP-9519
Manifest(s):	WP-9519-03 UHWM #: 019695368JJK
Received On:	April 12, 2022

This is to certify that the PCB waste shipped to WCS on the above mentioned manifest was disposed of on **December 02, 2022** in the WCS TSCA authorized waste landfill associated with the EPA ID Number above. Disposal is subject to all applicable licenses, permits, authorizations and regulations.

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

Waste Control Specialists LLC is pleased to have the opportunity to provide you with the quality waste management services that you need. If you have any questions or need further assistance, please feel free to contact me at (432) 525-8726.

Sincerely, WASTE CONTROL SPECIALISTS LLC

Tom Hannah Technical Services Project Manager



Corporate 17103 Preston Rd. Ste. 200 Dallas, TX 75248 Ph. 682.503.0030 Fax. 214.853.5720

RCRA/TSCA East + West Landfill PCB Certificate of Disposal RM-3.2.2-1 Records Management RM-3.2.2 Issuance of Certificates of Disposal/Treatment Effective Date 12/01/2016 Revision 3 Facility P.O. Box 1129 Andrews, TX 79714 Ph. 432.525.8500 Fax. 432.203.2359



Certificate of Disposal

Date of Certificate: December 06, 2022 PA ID Number TXD988088464

Regina Pea Four Rivers Nuclear Partnership 5511 Hobbs Road C-743 Trailer 1 Kevil, KY 42053

Reference:

WP-9519
WP-9519-04 UHWM #: 019695369JJK
May 10, 2022

This is to certify that the PCB waste shipped to WCS on the above mentioned manifest was disposed of on **December 02, 2022** in the WCS TSCA authorized waste landfill associated with the EPA ID Number above. Disposal is subject to all applicable licenses, permits, authorizations and regulations.

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

Waste Control Specialists LLC is pleased to have the opportunity to provide you with the quality waste management services that you need. If you have any questions or need further assistance, please feel free to contact me at (432) 525-8726.

Sincerely, WASTE CONTROL SPECIALISTS LLC

Tom Hannah Technical Services Project Manager



*Corporate* 17103 Preston Rd. Ste. 200 Dallas, TX 75248 Ph. 682.503.0030 Fax. 214.853.5720

RCRA/TSCA East + West Landfill PCB Certificate of Disposal RM-3.2.2-1 Records Management RM-3.2.2 Issuance of Certificates of Disposal/Treatment Effective Date 12/01/2016 Revision 3 Facility P.O. Box 1129 Andrews, TX 79714 Ph. 432.525.8500 Fax. 432.203.2359 UHWM #

95411

## **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> 9750-90-0001 <u>Disposal Date</u> 03/24/2022 <u>Volume (Cu/Ft)</u> 15.0 <u>Process</u> Landfill Disposal Location Mixed Waste



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

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

Brennon Dick Digitally signed by Brennon Dick Date: 2022.03.29 14:18:15 -06'00'

Brennon Dick Operations Manager Date

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

#### DOE, Paducah, Paducah

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

Shipment	UHWM #	Disposal Date	<u>Volume (Cu/Ft)</u>	Process	Disposal Location
9750-09-0025	95416	12/09/2022	37.5	Landfill	Mixed Waste
9750-09-0026	95453	12/09/2022	51.8	Landfill	Mixed Waste
9750-09-0027	95490	12/09/2022	7.5	Landfill	Mixed Waste
9750-09-0029	82070	12/09/2022	19.0	Landfill	Mixed Waste
9750-09-0030	2112	12/09/2022	37.5	Landfill	Mixed Waste
9750-09-0030	2112	12/09/2022	37.5	Landfill	Mixed Waste
9750-09-0031	2151	12/19/2022	7.5	Landfill	Mixed Waste

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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: 2022.12.20 15:39:28 -07'00'

Brennon Dick Operations Manager Date

UHWM #

95420

## **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> 7340-08-0019 Disposal Date 03/29/2022 Volume (Cu/Ft) 90.0 <u>Process</u> Landfill Disposal Location Mixed Waste



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

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

Brennon Dick

Digitally signed by Brennon Dick Date: 2022.04.04 05:31:53 -06'00'

Brennon Dick Operations Manager Date

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

#### DOE, Paducah, Paducah

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

Shipment	<u>UHWM #</u>	Disposal Date	Volume (Cu/Ft)	Process	<b>Disposal Location</b>
9750-04-0011	95436	12/09/2022	7.5	Landfill	Mixed Waste
9750-04-0013	2110	12/09/2022	7.5	Landfill	Mixed Waste

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BY: AM	V

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: 2022.12.20 15:38:54 -07'00'

Brennon Dick Operations Manager

Date

UHWM #

95446

# **CERTIFICATE OF DISPOSAL**

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

#### DOE, Paducah, Paducah

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

Shipment 7340-08-0020 Disposal Date 05/12/2022

<u>Volume (Cu/Ft)</u> 686.0 <u>Process</u> Landfill Disposal Location Mixed Waste



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

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

Brennon Dick Digitally signed by Brennon Dick Date: 2022.05.13 14:55:13 -06'00'

Brennon Dick Operations Manager Date

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

#### DOE, Paducah, Paducah

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

Shipment	UHWM #	<b>Disposal Date</b>	Volume (Cu/Ft)	Process	Disposal Location
9750-90-0002	95450	04/25/2022	4.0	Landfill	Mixed Waste



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

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

# Brennon Dick Digitally signed by Brennon Dick Date: 2022.04.29 06:14:07 - 06'00'

Brennon Dick Operations Manager Date

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

#### DOE, Paducah, Paducah

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

Shipment 9750-09-0025 9750-09-0026 9750-09-0027 9750-09-0029 9750-09-0030 9750-09-0031	UHWM # 95416 95453 95490 82070 2112 2151	Disposal Date 12/09/2022 12/09/2022 12/09/2022 12/09/2022 12/09/2022 12/09/2022	<u>Volume (Cu/Ft)</u> 37.5 51.8 7.5 19.0 37.5 25	Process Landfill Landfill Landfill Landfill Landfill	Disposal Location Mixed Waste Mixed Waste Mixed Waste Mixed Waste Mixed Waste
9750-09-0031	2151	12/19/2022	7.5	Landfill	Mixed Waste

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DV.	MA
D1	(X)

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: 2022.12.20 15:39:28 -07'00'

Brennon Dick Operations Manager Date

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

#### DOE, Paducah, Paducah

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

Shipment	UHWM #	Disposal Date	Volume (Cu/Ft)	Process	<b>Disposal Location</b>
7340-08-0021	95455	04/26/2022	122.0	Landfill	Mixed Waste



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

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

Brennon Dick Digitally signed by Brennon Dick Date: 2022.04.29 05:56:15 - 06'00'

Brennon Dick Operations Manager Date

UHWM #

82004

# **CERTIFICATE OF DISPOSAL**

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

#### DOE, Paducah, Paducah

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

Shipment 9750-09-0028 Disposal Date 12/06/2022 Volume (Cu/Ft) 112.5 <u>Process</u> Landfill

Disposal Location Mixed Waste

RECEIVED 12/15/2022 Alisa Jugen

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: 2022.12.08 16:42:05 -07'00'

Brennon Dick Operations Manager Date

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

#### DOE, Paducah, Paducah

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

<u>Shipment</u> 9750-04-0012 Disposal Date 09/29/2022

UHWM #

82090

Volume (Cu/Ft) 122.0 <u>Process</u> Landfill Disposal Location Mixed Waste



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

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

Brennon Dick Digitally signed by Brennon Dick Date: 2022.09.30 14:21:27 -06'00'

Brennon Dick Operations Manager Date

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

#### DOE, Paducah, Paducah

This certificate acknowledges that the following manifested shipments have been disposed of as listed below: Volume (Cu/Ft)

686.0

**Shipment** 7340-08-0023 <u>UHWM #</u>

82097

**Disposal Date** 09/20/2022

Process Landfill

**Disposal Location** Mixed Waste



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

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

Brennon Dick Digitally signed by Brennon Dick Date: 2022.09.23 07:19:06 -06'00'

**Brennon Dick Operations Manager**  Date

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

#### DOE, Paducah, Paducah

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

122.0

4.0

Shipment 7340-08-0024 7340-08-0025 UHWM # 82104 2111

**Disposal Date** 09/12/2022 09/12/2022

Volume (Cu/Ft) Process Landfill Landfill

**Disposal Location** Mixed Waste Mixed Waste

ECEIVE	٦
SEP 2 9 2022	
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: 2022.09.19 08:56:34 - 06'00'

**Brennon Dick Operations Manager**  Date

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

#### DOE, Paducah, Paducah

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

Shipment 9750-03-0007 <u>Disposal Date</u> 09/29/2022

UHWM #

2106

Volume (Cu/Ft) 7.5 <u>Process</u> Landfill Disposal Location Mixed Waste



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

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

Brennon Dick Digitally signed by Brennon Dick Date: 2022.09.30 14:21:06 -06'00'

Brennon Dick Operations Manager Date

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

#### DOE, Paducah, Paducah

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

Shipment	<u>UHWM #</u>	Disposal Date	Volume (Cu/Ft)	Process	<b>Disposal Location</b>
9750-04-0011	95436	12/09/2022	7.5	Landfill	Mixed Waste
9750-04-0013	2110	12/09/2022	7.5	Landfill	Mixed Waste

NECEIVE	h
DEC 27 2022	
BY: MK	y
BY: AM	V

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: 2022.12.20 15:38:54 -07'00'

Brennon Dick Operations Manager

Date

Process

Landfill

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:

4.0

Shipment 7340-08-0025 UHWM #

2111

**Disposal Date** 09/12/2022

Volume (Cu/Ft)

**Disposal Location** Mixed Waste



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

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

Brennon Dick Digitally signed by Brennon Dick Date: 2022.09.27 16:46:42 - 06'00'

**Brennon Dick Operations Manager**  Date

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

B-27

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

#### DOE, Paducah, Paducah

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

Shipment 9750-09-0025 9750-09-0026 9750-09-0027 9750-09-0029 9750-09-0030 9750-09-0031	UHWM # 95416 95453 95490 82070 2112 2151	Disposal Date 12/09/2022 12/09/2022 12/09/2022 12/09/2022 12/09/2022 12/09/2022	<u>Volume (Cu/Ft)</u> 37.5 51.8 7.5 19.0 37.5 7.5	Process Landfill Landfill Landfill Landfill Landfill Landfill	Disposal Location Mixed Waste Mixed Waste Mixed Waste Mixed Waste Mixed Waste
9750-09-0031	2151	12/19/2022	7.5	Landfill	Mixed Waste

R	ECEIVE
K	DEC 27 2022
D	M
DI	- Ar

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: 2022.12.20 15:39:28 -07'00'

Brennon Dick Operations Manager Date

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

B-28

**APPENDIX C** 

PCB WASTE STORAGE AREA INSPECTION RECORDS

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Building	g Area	Date Inspected	Leaks Yes	Leaks No	Comments
C-333					
	G-333-18	1/4/2022			
	G-333-18	2/2/2022			
				_	
	G-333-18	3/1/2022			
	C 222 19	2/20/2022			
	0-555-18	5/29/2022		V	
	G-333-18	4/25/2022			
	G-333-18	5/25/2022			
	G-333-18	6/14/2022			

Thursday, March 2, 2023  $G = GSA \quad S = SAA$ 

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
G-:	333-18	7/12/2022			
G-:	333-18	8/9/2022			
G-:	333-18	9/6/2022			
G-:	333-18	10/5/2022			
G-:	333-18	11/1/2022			
G-:	333-18	11/29/2022			
G-:	333-18	12/20/2022			
G-:	333-37	1/4/2022			

## PCB Waste Inspection Summary Report

Thursday, March 2, 2023 G = GSA

 $G = GSA \quad S = SAA$ 

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
G-	333-37	2/2/2022			
G-	333-37	3/1/2022			
G-	333-37	3/29/2022			
G-	333-37	4/25/2022			
G-	333-37	5/25/2022			
G-	333-37	6/14/2022			
G-	333-37	7/12/2022			
G-	333-37	8/9/2022			PCB storage area closed 8/9/2022

PCB Waste Inspection Summary Report

Thursday, March 2, 2023  $G = GSA \quad S = SAA$ 

Buildin	g Area	Date Inspected	Leaks Yes	Leaks No	Comments
	PCB/180-333-02	5/25/2022			PCB storage area established 5/9/2022.
	PCB/180-333-02	6/14/2022			
	PCB/180-333-02	7/12/2022			
	PCB/180-333-02	8/9/2022		V	PCB storage area closed 8/10/2022.
C-337					
C-557	G-337-02	1/4/2022			
	G-337-02	2/2/2022			
	G-337-02	3/1/2022			

## PCB Waste Inspection Summary Report

Thursday, March 2, 2023  $G = GSA \quad S = SAA$ 

Page 4 of 20

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
G-	337-02	3/29/2022			
G-	337-02	4/25/2022			
G-	337-02	5/25/2022			
G-	337-02	6/14/2022			
G-	337-02	7/12/2022			
G-	337-02	8/9/2022			PCB storage area closed 8/10/2022
G-	337-03	1/4/2022			
G-	337-03	2/2/2022			

Thursday, March 2, 2023 G = GSA S = SAA

Buildi	ng	
	G-337-03	
	G-337-03	PCB storage area closed 8/9/2022
	G-337-27	PCB storage area established 3/24/2022. PCB storage area closed 4/7/2022.
	G-337-PCB-02	

Thursday, March 2, 2023

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
(	G-337-PCB-02	2/2/2022			
(	G-337-PCB-02	3/1/2022			
(	G-337-PCB-02	3/29/2022			
(	G-337-PCB-02	4/25/2022			
(	G-337-PCB-02	5/25/2022			
(	G-337-PCB-02	6/14/2022			
(	Б-337-РСВ-02	7/12/2022			
(	G-337-PCB-02	8/9/2022			

## PCB Waste Inspection Summary Report

Thursday, March 2, 2023  $G = GSA \quad S = SAA$ 

Buildin	g Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-337-PCB-02	9/6/2022			
	G-337-PCB-02	10/5/2022			
	G-337-PCB-02	11/1/2022			
	G-337-PCB-02	11/29/2022			
	G-337-PCB-02	12/20/2022			
	S-337-12	2/2/2022			PCB storage area established 1/4/2022.
	S-337-12	3/1/2022			
	S-337-12	3/29/2022			

## PCB Waste Inspection Summary Report

Thursday, March 2, 2023  $G = GSA \quad S = SAA$ 

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
S-3.	37-12	4/25/2022			
S-3.	37-12	5/25/2022			
S-3.	37-12	6/14/2022			
S-3.	37-12	7/12/2022			
S-3.	37-12	8/9/2022			
S-3.	37-12	9/6/2022			
S-3.	37-12	10/5/2022			
S-3.	37-12	11/1/2022			

|--|

Thursday, March 2, 2023

Building	g Area	Date Inspected	Leaks Yes	Leaks No	Comments
ł	S-337-12	11/29/2022			
;	S-337-12	12/20/2022		$\checkmark$	
;	8-337-13	11/29/2022			PCB storage area established 11/7/2022.
	S-337-13	12/20/2022		V	
ł	S-337-14	11/29/2022		V	PCB storage area established 11/8/2022.
;	S-337-14	12/20/2022		V	
C-720					
-	G-720-36	11/1/2022		$\checkmark$	PCB storage area established 10/27/2022.

## PCB Waste Inspection Summary Report

Thursday, March 2, 2023  $G = GSA \quad S = SAA$ 

Buildir	ng Area	Date Inspected	Leaks Yes	Leaks No	Comments
	G-720-36	11/29/2022			
	G-720-36	12/20/2022			
C-733					
	C-733	1/4/2022			
	C-733	2/1/2022			
	C-733	3/1/2022			
	C-733	3/29/2022			
	C-733	4/25/2022			

## PCB Waste Inspection Summary Report

Thursday, March 2, 2023  $G = GSA \quad S = SAA$ 

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
C-733		5/19/2022			
C-733		6/14/2022			
C-733		7/12/2022			
C-733		8/9/2022			
C-733		9/6/2022			
C-733		10/4/2022			
C-733		11/1/2022			
C-733		11/29/2022			

PCB Waste Inspection Summary Report

Thursday, March 2, 2023

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
C-733	3	12/20/2022			
C-746-Q					
C-746	5-Q	1/4/2022			
C-740	5-Q	2/1/2022			
C-746	5-Q	3/1/2022			
C-740	6-Q	3/29/2022			
C-740	5-Q	4/25/2022			
C-746	6-Q	5/19/2022			
_ /		<b></b>			

## PCB Waste Inspection Summary Report

Thursday, March 2, 2023  $G = GSA \quad S = SAA$ 

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
C-746-0	Q	6/14/2022			
C-746-0	Q	7/12/2022			
C-746-0	Q	8/9/2022			
C-746-0	Q	9/6/2022			
C-746-0	Q	10/4/2022			
C-746-0	Q	11/1/2022			
C-746-0	Q	11/29/2022			
C-746-0	Q	12/20/2022			

PCB	Waste	Inspection	Summary	Report
			~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	

Thursday, March 2, 2023 G = GSA
Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
C-752-A					
C-	-752-A	1/4/2022			
C-	-752-A	2/1/2022		$\checkmark$	
C-	-752-A	3/1/2022		$\checkmark$	
G		2/20/2022	_	_	
C.	-/52-A	3/29/2022			
C	-752-A	4/25/2022			
C	10211	1/23/2022			
C·	-752-A	5/19/2022			
C·	-752-A	6/14/2022			

Thursday, March 2, 2023  $G = GSA \quad S = SAA$ 

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
C-752	2-A	7/12/2022			
C-752	2-A	8/9/2022			
C-752	2-A	9/6/2022			
C-752	2-A	10/4/2022			
C-752	2-A	11/1/2022			
C-752	2-A	11/29/2022			
C-752	2-A	12/20/2022			

PCB Waste Inspection Summary Report

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
C-753	8-A	1/4/2022			
C-753	B-A	2/1/2022			
C-753	8-A	3/1/2022			
C-753	8-A	3/29/2022			
C-753	8-A	4/25/2022			
C-753	8-A	5/19/2022			
C-753	3-A	6/14/2022			
C-753	B-A	7/12/2022			

Thursday, March 2, 2023

Buildin	ig Area	Date Inspected	Leaks Yes	Leaks No	Comments
	C-753-A	8/9/2022			
	C-753-A	9/6/2022			
	C-753-A	10/4/2022			
	C-753-A	11/1/2022			
	C-753-A	11/29/2022			
	C-753-A	12/20/2022			
C-757	G-757-03	1/4/2022		V	

Thursday, March 2, 2023  $G = GSA \quad S = SAA$ 

Page 18 of 20

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
G-7	757-03	2/2/2022			
G-7	757-03	3/1/2022			
G-7	757-03	3/29/2022			
G-7	757-03	4/25/2022			
G-7	757-03	5/19/2022			
G-7	757-03	6/14/2022			
G-7	757-03	7/12/2022			
G-7	757-03	8/9/2022			

Thursday, March 2, 2023 G = GSA

 $G = GSA \quad S = SAA$ 

Building	Area	Date Inspected	Leaks Yes	Leaks No	Comments
G-7	57-03	9/6/2022			
G-7	57-03	10/5/2022			
G-7	57-03	11/1/2022			
G-7	57-03	11/29/2022			
G-7	57-03	12/20/2022			

PCB	Waste	Inspection	Summary	Report
			~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	

**APPENDIX D** 

PCB WASTE INVENTORY TABLES

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# TABLES

D.1.	Corrections and Adjustments to the December 31, 2021, Inventory	D-5
D.2.	PCB Waste Generated in 2022	D-6
D.3.	Adjustments to the 2022 Inventory	D-8
D.4.	PCB Waste Shipped for Disposal in 2022	D-9
D.5.	PCB Waste Inventory as of December 31, 2022	D-12

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Table D.1.	Corrections and	Adjustments to	the December	31, 2021	I, Inventory
					/ /

Adj	RFD	Waste ID	PCB Item	Description	PCB Date	Physical	Gross Wt (kg)	Source	Waste Cat	Comments
0	121255	121255-05 <sup>a</sup>	PCB Container	LUBE OIL/PCB RINSEATE COLLECTED IN SIGHT GLASSES FROM TRANSFORMER DRAINING	10/19/2021	L	15	C-337	RCRA/TSCA Mixed (RTM)	Upon review of the container logsheet the PCB DTS was corrected to the date that the first item was placed in the container. The estimated weight was corrected to actual weight when container was placed into permitted storage.
0	122193	122193-08 <sup>a</sup>	PCB Container	EPOXY PAINT CHIPS, VEGETATION AND PPE	11/15/2021	s	131	C-333	TSCA Mixed (TM)	Upon review of the container logsheet the PCB DTS was corrected to the date that the first item was placed in the container. The estimated weight was corrected to actual weight when container was placed into permitted storage.
0	122252	122252-08	PCB Container	VENTILATION DUCT OIL AND WATER	10/25/2021	L	0	C-337	TM	Upon review of the container logsheet the PCB DTS was corrected to the date that the first item was placed in the container.
0	122396	122396-01 <sup>a</sup>	PCB Article Container	PCB LIGHT BALLASTS/TRANSFORMERS/CAP ACITORS/ETC	5/20/2021	S	6	Various	TM	The estimated weight was corrected to actual weight when container was placed into permitted storage.
0	122431	122431-02 <sup>a</sup>	PCB Container	C-333 UNIT 5 CELLS 1-10, UNIT 6 CELLS 1-10 AND PCB/ASBESTOS WASTE - THIS MATERIAL WAS REPACKED INTO THIS CONTAINER (122431-02) (C-631-3 WASTE ADDED TO THIS CONTAINER PBI - 0101-A.1, NENDST)	6/1/2021	s	333	C-333	TM	The estimated weight was corrected to actual weight when container was placed into permitted storage.
0	122473	122473-01 <sup>a</sup>	PCB Article Container	MISC PART AND FROM TWO PCB TRANSFORMER IN C-337 - RECEIVED MATERIAL FROM 107839-01.	6/27/2004	S	718	C-337	TM	The estimated weight was corrected to actual weight when container was placed into permitted storage.
TOT	AL CORRE	CTIONS A	ND ADJUS	FMENTS TO THE DECEMBER 3	31, 2021, INVI	ENTORY <sup>*</sup> :	1203			

\*Due to rounding, the weight totals may vary.

#### Table D.2. PCB Waste Generated in 2022

RFD	Waste ID	PCB Item	Description	PCB Date	Gross Wt (kg)	Physical	<b>Current Facility</b>	Source	Waste Cat
									TSCA Mixed
122193	122193-09	PCB Container	EPOXY PAINT CHIPS, VEGETATION AND PPE	3/24/2022	824	Solid (S)	C-752-A	C-410	(TM)
122193	122193-10 <sup>a</sup>	PCB Container	EPOXY PAINT CHIPS, VEGETATION AND PPE	6/24/2022	589	S	C-333	C-410	TM
			EPOXY PAINT CHIPS, VEGETATION, PPE,						
122235	122235-05	PCB Container	BERYLLIUM	5/18/2022	454	S	C-333	C-746-B	TM
			C-333 UNIT 5 CELLS 1-10, UNIT 6 CELLS 1-10 AND						
			PCB/ASBESTOS WASTE - THIS MATERIAL WAS						
			REPACKED INTO THIS CONTAINER (122431-02) (C-						
			631-3 WASTE ADDED TO THIS CONTAINER PBI -			~	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	~	
122431	122431-03ª	PCB Container	0101-A.1, NENDST) - REPACKED INTO 122431-02	2/15/2022	9	S	C-333-RPK	C-333	TM
100 (01	100401-04		C-333 UNIT 5 CELLS 1-10, UNIT 6 CELLS 1-10 AND	2/22/2022	4.110	G	0.752	G 222	
122431	122431-04	PCB Container	PUB/ASBESTOS WASTE	3/23/2022	4,119	8	C-/52-A	C-333	IM
122540	122540.01	PCB Article	PCB LIGHT BALLAST (FY22PBI 05/20 0105-A.4 AND	1/21/2022	01	c	0.752	C 222 A	TM
122540	122540-01	DCP Article	FY22PBI05/010105-A./)	1/31/2022	81	5	C-/52-A	C-333-A	1 IVI
122540	122540-02 <sup>a</sup>	Container	122540-01	4/12/2022	2	S	C-333-ARPK	C-333-A	тм
122340	122340-02	Container		-, 12/2022	2	5	C-355-AKI K	C-335-A	
100(01	100(01 018		LUBE OIL/PCB RINSATE COLLECTED FROM SITE	0/02/2022	27	·· · · · ( . )	G 227	G 227	RCRA/ISCA
122621	122621-01	PCB Container	GLASSES FROM TRANSFORMER DRAINING	8/23/2022	27	Liquid (L)	C-337	C-337	Mixed (RTM)
122622	122622-01	PCB Container	VENTILATION DUCT OIL AND WATER	1/12/2022	204	L	C-/52-A	Proc Bldgs	IM
122022	122622-02	PCB Container	VENTILATION DUCT OIL AND WATER	2/21/2022	209	L	C-752-A	Proc Bldgs	IM
122622	122622-03	PCB Container	VENTILATION DUCT OIL AND WATER	11/17/2022	27	L	C-337	Proc Bldgs	ТM
122622	122622-01	DCD Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	1/22/2022	220	S	C 752 A	Proc Pldgs	тм
122023	122023-01	TCD Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION	1/23/2022	229	5	C-752-A	The Blugs	1 101
122623	122623-02	PCB Container	WASTE	1/23/2022	58	S	C-752-A	Proc Bldgs	ТМ
122025	122023 02	T CD Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION	1125/2022	50	5	0 102 11	The Blags	1111
122623	122623-03	PCB Container	WASTE	1/24/2022	60	S	C-752-A	Proc Bldgs	ТМ
			PCB SPILL CLEANUP DEBRIS/ENCAPSULATION						
122623	122623-04	PCB Container	WASTE	1/25/2022	44	S	C-752-A	Proc Bldgs	TM
			PCB SPILL CLEANUP DEBRIS/ENCAPSULATION						
122623	122623-05	PCB Container	WASTE	1/25/2022	65	S	C-752-A	Proc Bldgs	TM
			PCB SPILL CLEANUP DEBRIS/ENCAPSULATION						
122623	122623-06	PCB Container	WASTE	3/10/2022	59	S	C-752-A	Proc Bldgs	TM
100(00	100(00.07		PCB SPILL CLEANUP DEBRIS/ENCAPSULATION	(10/2022	(1	G	0.752	D D11	
122623	122623-07	PCB Container	WASIE DCD SDUL CLEANUD DEDDIS/ENCADSULATION	6/9/2022	61	8	C-/52-A	Proc Bldgs	IM
122623	122623-08	PCB Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	8/2/2022	81	S	C 752 A	Proc Bldge	тм
122023	122023-08	FCB Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION	8/2/2022	01	3	C-752-A	Floc Blugs	1 101
122623	122623-09	PCB Container	WASTE	9/27/2022	85	S	C-752-A	Proc Bldgs	ТМ
122025	122023 07	1 OD Contailler	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION	<i>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</i>	00	5	0 702 11	1100 Diago	
122623	122623-10	PCB Container	WASTE	10/7/2022	98	S	C-752-A	Proc Bldgs	ТМ
			PCB SPILL CLEANUP DEBRIS/ENCAPSULATION		20 W	-		85	
122623	122623-11 <sup>a</sup>	PCB Container	WASTE	11/17/2022	27	S	C-337	Proc Bldgs	TM
			USED PCB CONTAMINATED OIL DRAINED FROM					Ĩ	
122645	122645-01	PCB Container	TRANSFORMERS	3/2/2022	193	L	C-752-A	C-315	RTM

## Table D.2. PCB Waste Generated in 2022 (Continued)

RFD	Waste ID	PCB Item	Description	PCB Date	Gross Wt (kg)	Physical	Current Facility	Source	Waste Cat
			USED PCB CONTAMINATED OIL DRAINED FROM						
122645	122645-02	PCB Container	TRANSFORMERS	3/2/2022	181	L	C-752-A	C-315	RTM
			USED PCB CONTAMINATED OIL DRAINED FROM						
122645	122645-03	PCB Container	TRANSFORMERS	3/2/2022	187	L	C-752-A	C-315	RTM
			USED PCB CONTAMINATED OIL DRAINED FROM						
122645	122645-04	PCB Container	TRANSFORMERS	3/3/2022	187	L	C-752-A	C-315	RTM
			USED PCB CONTAMINATED OIL DRAINED FROM						
122645	122645-05	PCB Container	TRANSFORMERS	3/3/2022	192	L	C-752-A	C-315	RTM
			USED PCB CONTAMINATED OIL DRAINED FROM						
122645	122645-06	PCB Container	TRANSFORMERS	3/3/2022	191	L	C-752-A	C-315	RTM
			USED PCB CONTAMINATED OIL DRAINED FROM						
122645	122645-07	PCB Container	TRANSFORMERS	3/3/2022	190	L	C-752-A	C-315	RTM
			USED PCB CONTAMINATED OIL DRAINED FROM						
122645	122645-08	PCB Container	TRANSFORMERS	3/3/2022	191	L	C-752-A	C-315	RTM
			USED PCB CONTAMINATED OIL DRAINED FROM						
122645	122645-09	PCB Container	TRANSFORMERS	3/3/2022	191	L	C-752-A	C-315	RTM
			USED PCB CONTAMINATED OIL DRAINED FROM						
122645	122645-10	PCB Container	TRANSFORMERS	3/3/2022	192	L	C-752-A	C-315	RTM
			USED PCB CONTAMINATED OIL DRAINED FROM						
122645	122645-11	PCB Container	TRANSFORMERS	3/3/2022	200	L	C-752-A	C-315	RTM
			USED PCB CONTAMINATED OIL DRAINED FROM						
122645	122645-12	PCB Container	TRANSFORMERS	3/3/2022	188	L	C-752-A	C-315	RTM
			USED PCB CONTAMINATED OIL DRAINED FROM						
122645	122645-13	PCB Container	TRANSFORMERS	3/3/2022	74	L	C-752-A	C-315	RTM
			POTHEAD WITH ELECTRICAL CABLE. POTHEAD						
			CONTAINS PETROLATUM. CABLE IS PAPER AND						
		PCB Article	LEAD INSULATED. PAPER IS IMPREGNATED WITH			~	~ ~ ~ ~ .	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	
122667	122667-01	Container	OIL	3/7/2022	571	S	C-752-A	C-531	RTM
		PCB Article	PCB LIGHT						
122668	122668-01	Container	BALLASTS/CAPACITORS/TRANSFORMERS/ETC.	3/10/2022	83	S	C-752-A	Various	TM
			PCB/HAZ VACUUM AND VACUUM DEBRIS FROM						
122717	122717-01	PCB Container	CLEAN UP OF NON-GASKET SPILL 774	5/17/2022	39	S	C-752-A	C-337	RTM
			GLASS APARATUS CONTAINING ELEMENTAL						
130060	130060-01	PCB Container	MERCURY/AMALGUM FROM LAB	8/2/2022	17	S	C-752-A	C-710	RTM
		PCB Article	CAPACITORS FROM CHARGERS IN BATTERY						
130083	130083-01	Container	ROOMS AND ASSOCIATED BCS	9/7/2022	5	S	C-752-A	Proc Bldgs	TM
			PCB LIQUIDS WITH CADMIUM, CHROMIUM, AND						
130099	130099-01 <sup>a</sup>	PCB Container	LEAD	12/28/2022	27	L	C-337	C-333	RTM
		PCB Article							
130106	130106-01 <sup>a</sup>	Container	PCB LIGHT BALLASTS	10/27/2022	28	S	C-720	Various	TM
			TOTAL PCB WASTE GENERATE	D IN CY $202\overline{2^b}$ :	10,535				

<sup>a</sup> Indicates a collection containers as of December 31, 2022. Weight is estimated.

<sup>b</sup> Due to rounding, the weight totals may vary.

## Table D.3. Adjustments to the 2022 Inventory

Adj	RFD	Waste ID	PCB Item	Description	PCB Date	Physical	Gross Wt (kg)	Source	Waste Cat	Comments	
0	107839	107839-01	PCB Article	DAMAGED, DISCONNECTED, DE- ENERGIZED, AND DRAINED PCB TRANSFORMER RHL-0610. FORMERLY STAGED AT C-337 U2C8 "B" LOCATION.	6/27/2004	SOLID	1,297	C-337	TSCA Mixed (TM)	The weight was corrected to actual weight when container item was weighed after being prepared for shipment.	
-1	122431	122431-03	PCB Container	C-333 UNIT 5 CELLS 1-10, UNIT 6 CELLS 1-10 AND PCB/ASBESTOS WASTE - THIS MATERIAL WAS REPACKED INTO THIS CONTAINER (122431-02) (C-631-3 WASTE ADDED TO THIS CONTAINER PBI - 0101-A.1, NENDST) - REPACKED INTO 122431-02	2/15/2022	SOLID	-9	C-333	TM	The container was repacked into container 122431-02.	
-1	122540	122540-02	PCB Article Container	PCB LIGHT BALLAST - 122540-02 REPACKED INTO 122540-01	4/12/2022	SOLID	-2	С-333-А	TM	The container was repacked into container 122540-01.	
	TOTAL ADJUSTMENTS TO CY 2022 INVENTORY*: 1,286										

\*Due to rounding, the weight totals may vary.

## Table D.4. PCB Waste Shipped for Disposal in 2022

ſ	RFD	Waste ID	PCB Item	Description	PCB Date	Current Facility	Gross Wt (kg)	Physical	Source	Waste Cat	Ship Date	Ship Location	Manifest
	121255	121255-04	PCB Container	LUBE OIL/PCB RINSEATE COLLECTED IN SIGHT GLASSES FROM TRANSFORMER DRAINING	9/6/2021	C-752-A	235	Liquid (L)	C-337	RCRA/TSCA Mixed (RTM)	1/25/2022	Energy <i>Solutions,</i> Clive, UT	019695351JJK
	122253	122253-04	PCB Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	8/2/2021	C-752-A	59	Solid (S)	Proc Bldgs	TSCA Mixed (TM)	1/25/2022	Energy <i>Solutions,</i> Clive, UT	019695351JJK
	122253	122253-05	PCB Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	10/19/2021	C-752-A	46	S	Proc Bldgs	TM	1/25/2022	Energy <i>Solutions,</i> Clive, UT	019695351JJK
	122235	122235-04	PCB Container	EPOXY PAINT CHIPS, VEGETATION, PPE, BERYLLIUM	8/26/2021	C-752-A	689	S	C-746-B	TM	1/25/2022	Energy <i>Solutions,</i> Clive, UT	019695353JJK
	122430	122430-01	PCB Article Container	CAPACITORS THAT CONTAIN PCB OIL	9/1/2021	C-752-A	84	S	C-710	TM	3/17/2022	Energy <i>Solutions,</i> Clive, UT	019695411JJK
	122430	122430-02	PCB Article Container	CAPACITORS THAT CONTAIN PCB OIL	9/1/2021	C-752-A	61	S	C-710	TM	3/17/2022	Energy <i>Solutions,</i> Clive, UT	019695411JJK
_	122253	122253-06	PCB Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	11/2/2021	C-752-A	62	S	Proc Bldgs	TM	3/17/2022	Energy <i>Solutions,</i> Clive, UT	019695416JJK
	122253	122253-07	PCB Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	12/20/2021	C-752-A	71	S	Proc Bldgs	TM	3/17/2022	Energy <i>Solutions,</i> Clive, UT	019695416JJK
	122623	122623-01	PCB Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	1/23/2022	C-752-A	229	S	Proc Bldgs	TM	3/17/2022	Energy <i>Solutions,</i> Clive, UT	019695416JJK
	122623	122623-02	PCB Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	1/23/2022	C-752-A	58	S	Proc Bldgs	TM	3/17/2022	Energy <i>Solutions,</i> Clive, UT	019695416JJK
D	122623	122623-04	PCB Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	1/25/2022	C-752-A	44	S	Proc Bldgs	TM	3/17/2022	Energy <i>Solutions,</i> Clive, UT	019695416JJK
-9			PCB Article	FLUORESCENT LIGHT FIXTURES, LIGHT BALLASTS AND WIRING, CONTAINER PCB (50-499 PPM) AND								EnergySolutions,	
	122494	122494-01	Container	ASBESTOS CONTAINING MATERIAL (ACM)	8/19/2021	C-752-A	640	S	C-725	TM	3/17/2022	Clive, UT	019695420JJK
	122252	122252-08	PCB Container	VENTILATION DUCT OIL AND WATER	10/25/2021	C-752-A	231	L	C-337	TM	3/22/2022	Energy <i>Solutions,</i> Clive, UT	019695436JJK
	106744	106744-01	PCB Article	DAMAGED, DISCONNECTED, DE-ENERGIZED, AND DRAINED PCB TRANSFORMER B983126. FORMERLY STAGED AT C-337 U2C3 "B" LOCATION.	11/7/2005	C-337	9,964	Solid (S)	C-337	TSCA Mixed (TM)	4/7/2022	Waste Control Specialist, Andrews, TX	019695368JJK
	106744	106744-04	PCB Article	FINS FROM DAMAGED, DISCONNECTED, DE- ENERGIZED, AND DRAINED PCB TRANSFORMER B983126. FORMERLY STAGED AT C-337 U2C3 "B"	11/7/2005	C-337	608	S	C-337	ТМ	A/7/2022	Waste Control Specialist, Andrews, TX	01060536811K
-	100711	100/11/01	1 ob Million	FINS FROM DAMAGED, DISCONNECTED, DE- ENERGIZED, AND DRAINED PCB TRANSFORMER B983126. FORMERLY STAGED AT C-337 U2C3 "B"	111/12003	0.001	000		0.557	1111	1172022	Waste Control Specialist,	
-	106744	106744-05	PCB Article	LOCATION. C-333 UNIT 5 CELLS 1-10, UNIT 6 CELLS 1-10 AND PCB/ASBESTOS WASTE - THIS MATERIAL WAS REPACKED INTO THIS CONTAINER (122431-02) (C-	11/7/2005	C-337	600	S	C-337	TM	4/7/2022	Andrews, TX	019695368JJK
_	122431	122431-02	PCB Container	631-3 WASTE ADDED TO THIS CONTAINER PBI - 0101 A.1, NENDST)	6/1/2021	C-752-A	4,980	S	C-333	TM	4/12/2022	Energy <i>Solutions,</i> Clive, UT	019695446JJK
	122396	122396-01	Container	BALLASTS/TRANSFORMERS/CAPACITORS/ETC	5/20/2021	C-752-A	42	S	Various	TM	4/12/2022	Clive, UT	019695450JJK
	122623	122623-03	PCB Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	1/24/2022	C-752-A	60	S	Proc Bldgs	TM	4/12/2022	Energy <i>Solutions,</i> Clive, UT	019695453JJK
	122193	122193-08	PCB Container	EPOXY PAINT CHIPS, VEGETATION AND PPE	11/15/2021	C-752-A	732	S	C-410	TM	4/12/2022	Energy <i>Solutions,</i> Clive, UT	019695455JJK

	RFD	Waste ID	PCB Item	Description	PCB Date	Current Facility	Gross Wt (kg)	Physical	Source	Waste Cat	Ship Date	Ship Location	Manifest
				DAMAGED, DISCONNECTED, DE-ENERGIZED, AND DRAINED PCB TRANSFORMER RHL-0610.								Waste Control Specialist,	
10	107839	107839-01	PCB Article	FORMERLY STAGED AT C-337 U2C8 "B" LOCATION.	6/27/2004	C-337	16,647	S	C-337	TM	5/5/2022	Andrews, TX	019695369JJK
				FINS FROM DAMAGED, DISCONNECTED, DE-									
				ENERGIZED, AND DRAINED PCB TRANSFORMER								Waste Control	
				RHL-0610. FORMERLY STAGED AT C-337 U2C8 "B"								Specialist,	
-	107839	107839-02	PCB Article	LOCATION.	6/27/2004	C-337	308	S	C-337	TM	5/5/2022	Andrews, TX	019695369JJK
	122645	122645-01	DCD Cantainan	USED PCB CONTAMINATED OIL DRAINED FROM	2/2/2022	C 752 A	102	т	C 215	DTM	6/10/2022	EnergySolutions,	0226820041112
-	122043	122043-01	PCB Container	I KANSFORMERS	5/2/2022	C-752-A	193	L	C-315	KIM	6/10/2022	EnergySolutions	023082004JJK
	122645	122645-02	PCB Container	TRANSFORMERS	3/2/2022	C-752-A	181	т	C-315	RTM	6/10/2022	Clive UT	02368200411K
-	122045	122043-02	I CD Container	USED PCB CONTAMINATED OIL DRAINED FROM	51212022	C-752-A	101	L	C-515	KIW	0/10/2022	EnergySolutions	02308200 <b>4</b> 33K
	122645	122645-03	PCB Container	TRANSFORMERS	3/2/2022	C-752-A	187	L	C-315	RTM	6/10/2022	Clive, UT	023682004JJK
-				USED PCB CONTAMINATED OIL DRAINED FROM								EnergySolutions,	
	122645	122645-04	PCB Container	TRANSFORMERS	3/3/2022	C-752-A	187	L	C-315	RTM	6/10/2022	Clive, UT	023682004JJK
				USED PCB CONTAMINATED OIL DRAINED FROM								EnergySolutions,	[
	122645	122645-05	PCB Container	TRANSFORMERS	3/3/2022	C-752-A	192	L	C-315	RTM	6/10/2022	Clive, UT	023682004JJK
				USED PCB CONTAMINATED OIL DRAINED FROM								EnergySolutions,	
_	122645	122645-06	PCB Container	TRANSFORMERS	3/3/2022	C-752-A	191	L	C-315	RTM	6/10/2022	Clive, UT	023682004JJK
				USED PCB CONTAMINATED OIL DRAINED FROM				-	~ ~			EnergySolutions,	
	122645	122645-07	PCB Container	TRANSFORMERS	3/3/2022	C-752-A	190	L	C-315	RTM	6/10/2022	Clive, UT	023682004JJK
P	122645	122645 00	DCD Cantainan	USED PCB CONTAMINATED OIL DRAINED FROM TRANSFORMERS	2/2/2022	C 752 A	101	т	C 215	DTM	6/10/2022	EnergySolutions,	0226920041112
10	122043	122043-08	PCB Container		3/3/2022	C-752-A	191	L	C-315	KIM	6/10/2022	EnergySolutions	023082004JJK
<u> </u>	122645	122645-09	PCB Container	TRANSFORMERS	3/3/2022	C-752-A	191	т	C-315	RTM	6/10/2022	Clive UT	02368200411K
-	122045	122045-07	I CD Container	USED PCB CONTAMINATED OIL DRAINED FROM	51512022	C-752-II	191	L	0-515	RIM	0/10/2022	EnergySolutions	025002004551
	122645	122645-10	PCB Container	TRANSFORMERS	3/3/2022	C-752-A	192	L	C-315	RTM	6/10/2022	Clive UT	023682004.UK
-	1220.0	122010 10	T CD COMMIN	USED PCB CONTAMINATED OIL DRAINED FROM		0 /02 11	172	2	0.010		0,10,2022	EnergySolutions,	0200020010011
	122645	122645-11	PCB Container	TRANSFORMERS	3/3/2022	C-752-A	200	L	C-315	RTM	6/10/2022	Clive, UT	023682004JJK
				USED PCB CONTAMINATED OIL DRAINED FROM								EnergySolutions,	
	122645	122645-12	PCB Container	TRANSFORMERS	3/3/2022	C-752-A	188	L	C-315	RTM	6/10/2022	Clive, UT	023682004JJK
				USED PCB CONTAMINATED OIL DRAINED FROM								EnergySolutions,	
	122645	122645-13	PCB Container	TRANSFORMERS	3/3/2022	C-752-A	74	L	C-315	RTM	6/10/2022	Clive, UT	023682004JJK
	100450	100.450.01	PCB Article	MISC PART AND FROM TWO PCB TRANSFORMER IN	(12512000)	a <b>5</b> 50 i	1.1.00		G 225		<b>E</b> /2 ( /2022)	EnergySolutions,	000 (00000 100
-	122473	122473-01	Container	C-337 - RECEIVED MATERIAL FROM 107839-01.	6/27/2004	C-752-A	1,168	s	C-337	TM	7/26/2022	Clive, UT	023682090JJK
	122421	122421-04	DCD Containon	C-333 UNIT 5 CELLS I-10, UNIT 6 CELLS I-10 AND DCD/A SPESTOS WASTE	2/22/2022	C 752 A	4 1 1 0	c	C 222	тм	8/4/2022	EnergySolutions,	022682007111
-	122431	122451-04	FCB Container	GLASS APARATUS CONTAINING ELEMENTAL	5/25/2022	C-752-A	4,119	3	C-355	1 111	0/4/2022	Perma-Fix of Florida	02308209/JJK
	130060	130060-01	PCB Container	MERCURY/AMAI GUM FROM LAB	8/2/2022	C-752-A	17	s	C-710	RTM	8/16/2022	Gainesville FI	0235319841IK
-	150000	150000-01	I CD Container	MERCORTAINAEGOMTROMERE	0/2/2022	C-752-II	17	5	C-/10	RIM	0/10/2022	EnergySolutions.	025551704551
	122193	122193-09	PCB Container	EPOXY PAINT CHIPS, VEGETATION AND PPE	3/24/2022	C-752-A	824	s	C-410	TM	8/23/2022	Clive, UT	023682104JJK
-			PCB Article	PCB/HAZ VACUUM AND VACUUM DEBRIS FROM					-			EnergySolutions,	
	122717	122717-01	Container	CLEAN UP OF NON-GASKET SPILL 774	5/17/2022	C-752-A	39	S	C-337	RTM	8/29/2022	Clive, UT	023682106JJK
									Proc			EnergySolutions,	
	122622	122622-01	PCB Container	VENTILATION DUCT OIL AND WATER	1/12/2022	C-752-A	204	L	Bldgs	TM	8/29/2022	Clive, UT	023682110JJK
Γ			PCB Article	PCB LIGHT BALLAST (FY22PBI 05/20 0105-A.4 AND								EnergySolutions,	
	122540	122540-01	Container	FY22PBI 05/01 0105-A.7)	1/31/2022	C-752-A	81	S	C-333-A	TM	8/29/2022	Clive, UT	023682111JJK
				LUDE OU (DOD DRIGE ATE OOL LECTED DU CICUT									
	121255	101055-05		CLASSES EDOM TRANSFORMER DRADING	10/10/2021	0.752 4	225	т	C 227	DTM	8/20/2022	EnergySolutions,	022692112102
L	121255	121255-05	FUB Container	GLASSES FROM TRANSFORMER DRAINING	10/19/2021	C-/32-A	225	L	C-33/	KIM	8/29/2022	Clive, UI	023082112JJK

## Table D.4. PCB Waste Shipped for Disposal in 2022 (Continued)

RFD	Waste ID	PCB Item	Description	PCB Date	Current Facility	Gross Wt (kg)	Physical	Source	Waste Cat	Ship Date	Ship Location	Manifest
			PCB SPILL CLEANUP DEBRIS/ENCAPSULATION					Proc			EnergySolutions,	
122623	122623-05	PCB Container	WASTE	1/25/2022	C-752-A	65	S	Bldgs	TM	8/29/2022	Clive, UT	023682112JJK
			PCB SPILL CLEANUP DEBRIS/ENCAPSULATION					Proc			EnergySolutions,	
122623	122623-06	PCB Container	WASTE	3/10/2022	C-752-A	59	S	Bldgs	TM	8/29/2022	Clive, UT	023682112JJK
			PCB SPILL CLEANUP DEBRIS/ENCAPSULATION					Proc			EnergySolutions,	
122623	122623-07	PCB Container	WASTE	6/9/2022	C-752-A	61	S	Bldgs	TM	8/29/2022	Clive, UT	023682112JJK
	TOTAL PCB WASTE SHIPPED FOR DISPOSAL IN CY 2022*: 45,665											

\*Due to rounding, the weight totals may vary.

#### Table D.5. PCB Waste Inventory as of December 31, 2022

RFD	Waste ID PCB Item Description		PCB Date	Physical	Gross Wt (kgs)	Current Facility	Source	Waste Category	
									TSCA Mixed
122193	122193-10 <sup>a</sup>	PCB Container	EPOXY PAINT CHIPS, VEGETATION AND PPE	6/24/2022	Solid (S)	589	C-333	C-410	(TM)
122235	122235-05	PCB Container	EPOXY PAINT CHIPS, VEGETATION, PPE, BERYLLIUM	5/18/2022	S	454	C-333	C-746-B	TM
			LUBE OIL/PCB RINSATE COLLECTED FROM SITE GLASSES						RCRA/TSCA
122621	122621-01 <sup>a</sup>	PCB Container	FROM TRANSFORMER DRAINING	8/23/2022	Liquid (L)	27	C-337	C-337	Mixed (RTM)
122622	122622-02	PCB Container	VENTILATION DUCT OIL AND WATER	2/21/2022	L	209	C-752-A	Proc Bldgs	TM
122622	122622-03 <sup>a</sup>	PCB Container	VENTILATION DUCT OIL AND WATER	11/17/2022	L	27	C-337	Proc Bldgs	TM
122622	122622-08	DCD Containon	DOD ODILL OLEANUD DEDDIG/ENCADOLILATION WACTE	8/2/2022	ç	01	C 752 A	Duce Dideo	тм
122023	122623-08	PCB Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	8/2/2022	5	81	C-/52-A	Proc Bldgs	1 M
122623	122623-09	PCB Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	9/27/2022	S	85	C-752-A	Proc Bldgs	TM
122623	122623-10	PCB Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	10/7/2022	S	98	C-752-A	Proc Bldgs	TM
122623	122623-11 <sup>a</sup>	PCB Container	PCB SPILL CLEANUP DEBRIS/ENCAPSULATION WASTE	11/17/2022	s	27	C-337	Proc Bldgs	TM
122667	122667-01	PCB Article Container	POTHEAD WITH ELECTRICAL CABLE. POTHEAD CONTAINS PETROLATUM. CABLE IS PAPER AND LEAD INSULATED. PAPER IS IMPREGNATED WITH OIL	3/7/2022	S	571	С-752-А	C-531	RTM
122770	122((0.01			2/10/2022	G	02	0.752	<b>X</b> 7 ·	T) (
122668	122668-01	PCB Article Container	PUB LIGHT BALLASTS/CAPACITORS/TRANSFORMERS/ETC.	3/10/2022	5	83	C-/52-A	Various	IM
130083	130083-01	PCB Article Container	ASSOCIATED BCS	9/7/2022	s	5	C-752-A	Proc Bldgs	TM
130099	130099-01 <sup>a</sup>	PCB Container	PCB LIQUIDS WITH CADMIUM, CHROMIUM, AND LEAD	12/28/2022	L	27	C-337	C-333	RTM
130106	130106-01 <sup>a</sup>	PCB Article Container	PCB LIGHT BALLASTS	10/27/2022	S	28	C-720	Various	ТМ
			TOTAL PCB WASTE INVENTORY AS	<b>5 OF DECEMB</b>	BER 31, 2022 <sup>b</sup> :	2,310			

<sup>a</sup> Indicates a collection containers as of December 31, 2022. Weight is estimated.

<sup>b</sup> Due to rounding, the weight totals may vary.