



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

RECEIVED
By Carolee.Thompson at 4:39 pm, Jan 13, 2021

January 13, 2021

Ms. Jamie Nielsen, Supervisor
Permit Administration Section
Division of Waste Management, Solid Waste Branch
Kentucky Department for Environmental Protection
300 Sower Boulevard, 2nd Floor
Frankfort, Kentucky 40601

PPPO-02-10009140-21B

Dear Ms. Nielsen:

**C-746-S&T AND C-746-U SOLID WASTE LANDFILLS FOURTH QUARTER
CALENDAR YEAR 2020 WASTE OPERATING REPORT, PADUCAH GASEOUS
DIFFUSION PLANT, PADUCAH, KENTUCKY, FRNP-RPT-0134/V4, SOLID WASTE
PERMIT NO. SW07300014, SW07300015, SW07300045, AGENCY INTEREST NO. 3059**

The U.S. Department of Energy has prepared the fourth quarter operating report for calendar year 2020 for the C-746-S&T and C-746-U Landfills at the Paducah Gaseous Diffusion Plant. Kentucky Solid Waste Regulation 401 KAR 47:190 § 8(1) and Solid Waste Permit No. SW07300014, SW07300015, SW07300045, Permit Condition ACTV0006, Special Condition 10, require submittal of quarterly reports from operators of solid waste landfills.

The groundwater data, surface water data, and methane monitoring results are submitted as separate reports for the C-746-S&T and C-746-U Landfills.

If you have any questions or require additional information, please contact David Dollins at (270) 441-6819.

Sincerely,

A handwritten signature in cursive script that reads "Jennifer Woodard".

Jennifer Woodard
Paducah Site Lead
Portsmouth/Paducah Project Office

Enclosures:

1. Certification Page
2. C-746-S&T and C-746-U Solid Waste Landfill Fourth Quarter Calendar Year 2020 Waste Operating Report, FRNP-RPT-0134/V4

cc w/enclosures:

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CERTIFICATION

Document Identification: *C-746-S&T and C-746-U Solid Waste Landfills Fourth Quarter Calendar Year 2020 Waste Operating Report, Paducah Gaseous Diffusion Plant, Paducah, Kentucky, FRNP-RPT-0134/V4, Solid Waste Permit SW07300014, SW07300015, SW07300045, Agency Interest No. 3059, January 2021*

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for such violations.

Four Rivers Nuclear Partnership, LLC
Permittee (Operator)



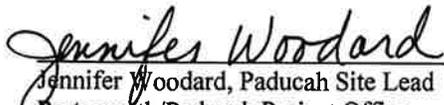
Myrna E. Redfield, Program Manager
Four Rivers Nuclear Partnership, LLC

1/13/2021

Date Signed

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for such violations.

U.S. Department of Energy



Jennifer Woodard, Paducah Site Lead
Portsmouth/Paducah Project Office
U.S. Department of Energy

1/13/2021

Date Signed

FRNP-RPT-0134/V4

**C-746-S&T and C-746-U Solid Waste Landfills
Fourth Quarter Calendar Year 2020
Waste Operating Report
Paducah Gaseous Diffusion Plant,
Paducah, Kentucky**



This document is approved for public release per review by:


FRNP Classification Support

1-12-2021
Date

**C-746-S&T and C-746-U Solid Waste Landfills
Fourth Quarter Calendar Year 2020
Waste Operating Report
Paducah Gaseous Diffusion Plant,
Paducah, Kentucky**

Date Issued—January 2021

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 DE-EM0004895

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REPORT SUMMARY

The information contained herein is submitted in accordance with the requirements of Solid Waste Permit Number SW07300014, SW07300015, SW07300045, and 401 *KAR* 47:190 § 8(1)(a) through (c) and (e), for the fourth quarter of calendar year 2020 for the Paducah Gaseous Diffusion Plant, McCracken County, Kentucky.

In the fourth quarter of calendar year 2020, a total of 1784.47 tons of industrial waste was disposed of in the C-746-U Contained Landfill. No asbestos-containing materials were disposed of in the landfill this quarter. No special waste or spill-residue-containing materials were disposed of in the landfill this quarter. As directed by the Cabinet, the Waste Quantity Report, DEP-7046-Q, is submitted as a separate report.

Analytical results for surface water monitoring, groundwater monitoring, and methane monitoring are submitted in separate quarterly Compliance Monitoring Reports for the C-746-U Landfill and C-746-S&T Landfills [401 *KAR* 47:190 § 8(1)(d)].

The C-746-S Residential Landfill has been inactive since July 1995, and the C-746-T Inert Landfill has been inactive since June 1992.

Leachate Collection and Disposition

The leachate is stored in five permitted holding tanks (F-001, F-002, F-007, F-008, and F-009) with a total capacity of 104,200 gal. Tank F-004 is a 2,500-gal surge tank for the leachate treatment system. Tanks F-005 and F-006 were removed in 2014. The tank volume reported on the leachate log is the volume at the time of measurement. Calculation of the next day tank volume by subtraction of disposal volume may not reflect the measured tank volume because additional leachate had entered the system. A total of 197,700 gal of leachate from the C-746-U Landfill was treated at the C-746-U15 Leachate Treatment Facility this quarter. No leachate from the C-746-S Landfill was treated at the C-746-U15 Leachate Treatment Facility this quarter. There was no leachate transported to the other treatment facilities.

Construction Activities and Cover Maintenance

There were no construction activities associated with the C-746-S&T Landfills [401 *KAR* 47:190 § 8(1)(a)]. The C-746-S&T Landfills were inspected for subsidence in accordance with the cover requirements [401 *KAR* 48:080 § 9(6)(f)]. No repairs were necessary during the quarter.

A permanent repair to the Cell No. 3 methane gas vent pipe was completed on December 9, 2020. The damaged pipe was reported in the previous landfill waste operating report as being repaired temporarily.

Construction activities at the C-746-U Landfill to install a methane gas-monitoring sensor in the aboveground storm shelter were completed on October 8, 2020, and all landfill methane gas-monitoring sensors were tested on this date. This activity had been reported as work in progress in the previous landfill waste operating report. [401 *KAR* 47:190 § 8(1)(a)]. The landfill was inspected for subsidence in accordance with the cover requirements [401 *KAR* 48:080 § 9(6)(f)]. No repairs were necessary during the quarter.

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FACILITY INFORMATION SHEET

Sampling Date: N/A

County: McCracken Permit No.: SW07300014, SW07300015, SW07300045

Facility Name: U.S. Department of Energy—Paducah Gaseous Diffusion Plant
(as officially shown on DWM permit face)

Site Address: 5501 Hobbs Road Kevil, Kentucky 42053
Street City/State Zip

Phone No.: (270) 441-6800 Latitude: N 37° 07' 45" Longitude: W 88° 47' 55"

OWNER INFORMATION

Facility Owner: U.S. DOE—Robert E. Edwards III, Manager Phone No.: (859) 227-5020

Contact Person: James Miller Phone No.: (270) 441-5068
Director, Technical Services,

Contact Person Title: Four Rivers Nuclear Partnership, LLC

Mailing Address: 5511 Hobbs Road Kevil, Kentucky 42053
Street City/State Zip

SAMPLING PERSONNEL (if other than landfill or laboratory)

Company: GEO Consultants, LLC

Contact Person: Jason Boulton Phone No.: (270) 441-6756

Mailing Address: 325 Kentucky Avenue Kevil, Kentucky 42053
Street City/State Zip

LABORATORY RECORD #1

Laboratory: GEL Laboratories, LLC Lab ID No.: KY90129

Contact Person: Valerie Davis Phone No.: (843) 769-7391

Mailing Address: P.O. Box 30712 Charleston, South Carolina 29417
Street City/State Zip

LABORATORY RECORD #2

Laboratory: N/A Lab ID No.: N/A

Contact Person: N/A Phone No.: N/A

Mailing Address: N/A
Street City/State Zip

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COVER LOG

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CP3-WM-0017-F02 - COVER LOG

DEPARTMENT OF ENERGY

PERMIT NUMBER: 073-00045

COUNTY: McCracken

Month & Year: October 2020

Day of Month	Daily Cell Location	Daily Cover Applied?	Interim Cover	Long Term Cover	Final Cap	Temporary Diversion Ditch Yes/No
1	D-3	YES	NO	NO	NO	YES
2	D-3	YES	NO	NO	NO	YES
3	D-3	YES	NO	NO	NO	YES
4						
5	D-2	YES	NO	NO	NO	YES
6	D-2	YES	NO	NO	NO	YES
7	D-2	YES	NO	NO	NO	YES
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22	D-3	YES	NO	NO	NO	YES
23						
24						
25						
26						
27						
28						
29						
30						
31						

CP3-WM-0017-F02 - COVER LOG

DEPARTMENT OF ENERGY

PERMIT NUMBER: 073-00045

COUNTY: McCracken

Month & Year: November 2020

Day of Month	Daily Cell Location	Daily Cover Applied?	Interim Cover	Long Term Cover	Final Cap	Temporary Diversion Ditch Yes/No
1						
2						
3	D-3	YES	NO	NO	NO	YES
4	D-3	YES	NO	NO	NO	YES
5						
6						
7						
8						
9						
10	D-3	YES	NO	NO	NO	YES
11	D-3	YES	NO	NO	NO	YES
12	D-3	YES	NO	NO	NO	YES
13						
14						
15						
16						
17						
18	D-2 & D-3	YES	YES	NO	NO	YES
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						

CP3-WM-0017-F02 - COVER LOG

DEPARTMENT OF ENERGY

PERMIT NUMBER: 073-00045

COUNTY: McCracken

Month & Year: December 2020

Day of Month	Daily Cell Location	Daily Cover Applied?	Interim Cover	Long Term Cover	Final Cap	Temporary Diversion Ditch Yes/No
1						
2	D-3&D-4	YES	NO	NO	NO	YES
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18	D-2&D-3	YES	NO	NO	NO	YES
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29	D-4	YES	NO	NO	NO	YES
30						
31						

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LEACHATE LOG

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CP3-WM-0018-F01 - PGDP SOLID WASTE LANDFILL – LEACHATE LOG

Permit No. 073-00045

McCracken County, Kentucky

Month October Year 2020

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
10-01-20	1,2,3,4,5	F-001		9100		
10-01-20	1,2,3,4,5	F-002		2200		
10-01-20	1,2,3,4,5	F-007		1200		
10-01-20	1,2,3,4,5	F-008		1200		
10-01-20	1,2,3,4,5	F-009		600		
10-05-20	1,2,3,4,5	F-001		9100	2100	L
10-05-20	1,2,3,4,5	F-002		6500		
10-05-20	1,2,3,4,5	F-007		1200		
10-05-20	1,2,3,4,5	F-008		1200		
10-05-20	1,2,3,4,5	F-009		600		
10-06-20	1,2,3,4,5	F-001		7000	5600	L
10-06-20	1,2,3,4,5	F-002		7300		
10-06-20	1,2,3,4,5	F-007		1200		
10-06-20	1,2,3,4,5	F-008		1200		
10-06-20	1,2,3,4,5	F-009		600		
10-07-20	1,2,3,4,5	F-001		1400		
10-07-20	1,2,3,4,5	F-002		8300		
10-07-20	1,2,3,4,5	F-007		1200		
10-07-20	1,2,3,4,5	F-008		1200		
10-07-20	1,2,3,4,5	F-009		600		
10-08-20	1,2,3,4,5	F-001		1400		
10-08-20	1,2,3,4,5	F-002		9100		
10-08-20	1,2,3,4,5	F-007		1200		
10-08-20	1,2,3,4,5	F-008		1200		
10-08-20	1,2,3,4,5	F-009		600		
10-12-20	1,2,3,4,5	F-001		1400		
10-12-20	1,2,3,4,5	F-002		12500		

CP3-WM-0018-F01 - PGDP SOLID WASTE LANDFILL – LEACHATE LOG

Permit No. 073-00045

McCracken County, Kentucky

Month October Year 2020

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
10-12-20	1,2,3,4,5	F-007		1200		
10-12-20	1,2,3,4,5	F-008		1200		
10-12-20	1,2,3,4,5	F-009		600		
10-13-20	1,2,3,4,5	F-001		1400		
10-13-20	1,2,3,4,5	F-002		13300		
10-13-20	1,2,3,4,5	F-007		1200		
10-13-20	1,2,3,4,5	F-008		1200		
10-13-20	1,2,3,4,5	F-009		600		
10-14-20	1,2,3,4,5	F-001		1400		
10-14-20	1,2,3,4,5	F-002		14200		
10-14-20	1,2,3,4,5	F-007		1200		
10-14-20	1,2,3,4,5	F-008		1200		
10-14-20	1,2,3,4,5	F-009		600		
10-15-20	1,2,3,4,5	F-001		1400		
10-15-20	1,2,3,4,5	F-002		15000		
10-15-20	1,2,3,4,5	F-007		1200		
10-15-20	1,2,3,4,5	F-008		1200		
10-15-20	1,2,3,4,5	F-009		600		
10-19-20	1,2,3,4,5	F-001		1400		
10-19-20	1,2,3,4,5	F-002		17300		
10-19-20	1,2,3,4,5	F-007		1200		
10-19-20	1,2,3,4,5	F-008		1200		
10-19-20	1,2,3,4,5	F-009		600		
10-20-20	1,2,3,4,5	F-001		1400		
10-20-20	1,2,3,4,5	F-002		29000	10600	L
10-20-20	1,2,3,4,5	F-007		1200		
10-20-20	1,2,3,4,5	F-008		1200		

CP3-WM-0018-F01 - PGDP SOLID WASTE LANDFILL – LEACHATE LOG

Permit No. 073-00045

McCracken County, Kentucky

Month October Year 2020

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
10-20-20	1,2,3,4,5	F-009		600		
10-21-20	1,2,3,4,5	F-001		7500		
10-21-20	1,2,3,4,5	F-002		19000	8800	L
10-21-20	1,2,3,4,5	F-007		1200		
10-21-20	1,2,3,4,5	F-008		1200		
10-21-20	1,2,3,4,5	F-009		600		
10-22-20	1,2,3,4,5	F-001		11300		
10-22-20	1,2,3,4,5	F-002		10200	8800	L
10-22-20	1,2,3,4,5	F-007		1200		
10-22-20	1,2,3,4,5	F-008		1200		
10-22-20	1,2,3,4,5	F-009		600		
10-26-20	1,2,3,4,5	F-001		19000		
10-26-20	1,2,3,4,5	F-002		1400		
10-26-20	1,2,3,4,5	F-007		1200		
10-26-20	1,2,3,4,5	F-008		1200		
10-26-20	1,2,3,4,5	F-009		600		
10-27-20	1,2,3,4,5	F-001		19900		
10-27-20	1,2,3,4,5	F-002		1400		
10-27-20	1,2,3,4,5	F-007		1200		
10-27-20	1,2,3,4,5	F-008		1200		
10-27-20	1,2,3,4,5	F-009		600		
10-28-20	1,2,3,4,5	F-001		21500	1900	L
10-28-20	1,2,3,4,5	F-002		1400		
10-28-20	1,2,3,4,5	F-007		1200		
10-28-20	1,2,3,4,5	F-008		1200		
10-28-20	1,2,3,4,5	F-009		600		
10-29-20	1,2,3,4,5	F-001		19600	8600	L

CP3-WM-0018-F01 - PGDP SOLID WASTE LANDFILL – LEACHATE LOG

Permit No. 073-00045

McCracken County, Kentucky

Month November Year 2020

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
11-02-20	1,2,3,4,5	F-001		28500	9200	L
11-02-20	1,2,3,4,5	F-002		30100		
11-02-20	1,2,3,4,5	F-007		1200		
11-02-20	1,2,3,4,5	F-008		1200		
11-02-20	1,2,3,4,5	F-009		2400		
11-03-20	1,2,3,4,5	F-001		19300	7100	L
11-03-20	1,2,3,4,5	F-002		30100		
11-03-20	1,2,3,4,5	F-007		1200		
11-03-20	1,2,3,4,5	F-008		1200		
11-03-20	1,2,3,4,5	F-009		4000		
11-04-20	1,2,3,4,5	F-001		12200	10700	L
11-04-20	1,2,3,4,5	F-002		30100		
11-04-20	1,2,3,4,5	F-007		1200		
11-04-20	1,2,3,4,5	F-008		1200		
11-04-20	1,2,3,4,5	F-009		5500		
11-05-20	1,2,3,4,5	F-001		1500		
11-05-20	1,2,3,4,5	F-002		30100		
11-05-20	1,2,3,4,5	F-007		1200		
11-05-20	1,2,3,4,5	F-008		1200		
11-05-20	1,2,3,4,5	F-009		7300		
11-09-20	1,2,3,4,5	F-001		1500		
11-09-20	1,2,3,4,5	F-002		30100	9400	L
11-09-20	1,2,3,4,5	F-007		1200		
11-09-20	1,2,3,4,5	F-008		1200		
11-09-20	1,2,3,4,5	F-009		14900		
11-10-20	1,2,3,4,5	F-001		3500		
11-10-20	1,2,3,4,5	F-002		20700	9100	L

CP3-WM-0018-F01 - PGDP SOLID WASTE LANDFILL – LEACHATE LOG

Permit No. 073-00045

McCracken County, Kentucky

Month November Year 2020

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
11-10-20	1,2,3,4,5	F-007		1200		
11-10-20	1,2,3,4,5	F-008		1200		
11-10-20	1,2,3,4,5	F-009		14900		
11-11-20	1,2,3,4,5	F-001		5300		
11-11-20	1,2,3,4,5	F-002		11600	10400	L
11-11-20	1,2,3,4,5	F-007		1200		
11-11-20	1,2,3,4,5	F-008		1200		
11-11-20	1,2,3,4,5	F-009		14900		
11-12-20	1,2,3,4,5	F-001		6000		
11-12-20	1,2,3,4,5	F-002		1200		
11-12-20	1,2,3,4,5	F-007		1200		
11-12-20	1,2,3,4,5	F-008		1200		
11-12-20	1,2,3,4,5	F-009		14900	11200	L
11-16-20	1,2,3,4,5	F-001		12800	6800	L
11-16-20	1,2,3,4,5	F-002		1200		
11-16-20	1,2,3,4,5	F-007		1200		
11-16-20	1,2,3,4,5	F-008		1200		
11-16-20	1,2,3,4,5	F-009		3700	3000	L
11-17-20	1,2,3,4,5	F-001		6000	4800	L
11-17-20	1,2,3,4,5	F-002		3000		
11-17-20	1,2,3,4,5	F-007		1200		
11-17-20	1,2,3,4,5	F-008		1200		
11-17-20	1,2,3,4,5	F-009		700		
11-18-20	1,2,3,4,5	F-001		1200		
11-18-20	1,2,3,4,5	F-002		4800	3400	L
11-18-20	1,2,3,4,5	F-007		1200		
11-18-20	1,2,3,4,5	F-008		1200		

CP3-WM-0018-F01 - PGDP SOLID WASTE LANDFILL – LEACHATE LOG

Permit No. 073-00045

McCracken County, Kentucky

Month November Year 2020

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
11-18-20	1,2,3,4,5	F-009		700		
11-19-20	1,2,3,4,5	F-001		2100		
11-19-20	1,2,3,4,5	F-002		1400		
11-19-20	1,2,3,4,5	F-007		1200		
11-19-20	1,2,3,4,5	F-008		1200		
11-19-20	1,2,3,4,5	F-009		700		
11-23-20	1,2,3,4,5	F-001		7300	5900	L
11-23-20	1,2,3,4,5	F-002		1400		
11-23-20	1,2,3,4,5	F-007		1200		
11-23-20	1,2,3,4,5	F-008		1200		
11-23-20	1,2,3,4,5	F-009		700		
11-24-20	1,2,3,4,5	F-001		1400		
11-24-20	1,2,3,4,5	F-002		3700		
11-24-20	1,2,3,4,5	F-007		1200		
11-24-20	1,2,3,4,5	F-008		1200		
11-24-20	1,2,3,4,5	F-009		700		
11-30-20	1,2,3,4,5	F-001		1400		
11-30-20	1,2,3,4,5	F-002		20700		
11-30-20	1,2,3,4,5	F-007		1200		
11-30-20	1,2,3,4,5	F-008		1200		
11-30-20	1,2,3,4,5	F-009		700		

Jammy Smith 11-30-20

No measurements were taken on 11/25/2020 or 11/26/2020 due to company holidays

* R – Re-circulated to Working Phas
W – Transported to Wastewater Treatment Facility
L – Disposed at on-site Leachate Treatment Facility

CP3-WM-0018-F01 - PGDP SOLID WASTE LANDFILL – LEACHATE LOG

Permit No. 073-00045

McCracken County, Kentucky

Month December Year 2020

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
12-01-20	1,2,3,4,5	F-001		1400		
12-01-20	1,2,3,4,5	F-002		23100		
12-01-20	1,2,3,4,5	F-007		1200		
12-01-20	1,2,3,4,5	F-008		1200		
12-01-20	1,2,3,4,5	F-009		700		
12-02-20	1,2,3,4,5	F-001		1400		
12-02-20	1,2,3,4,5	F-002		23900		
12-02-20	1,2,3,4,5	F-007		1200		
12-02-20	1,2,3,4,5	F-008		1200		
12-02-20	1,2,3,4,5	F-009		700		
12-03-20	1,2,3,4,5	F-001		1400		
12-03-20	1,2,3,4,5	F-002		25900		
12-03-20	1,2,3,4,5	F-007		1200		
12-03-20	1,2,3,4,5	F-008		1200		
12-03-20	1,2,3,4,5	F-009		700		
12-07-20	1,2,3,4,5	F-001		8100		
12-07-20	1,2,3,4,5	F-002		25900	10900	L
12-07-20	1,2,3,4,5	F-007		1200		
12-07-20	1,2,3,4,5	F-008		1200		
12-07-20	1,2,3,4,5	F-009		700		
12-08-20	1,2,3,4,5	F-001		8900		
12-08-20	1,2,3,4,5	F-002		15000	9000	L
12-08-20	1,2,3,4,5	F-007		1200		
12-08-20	1,2,3,4,5	F-008		1200		
12-08-20	1,2,3,4,5	F-009		700		
12-09-20	1,2,3,4,5	F-001		10500		
12-09-20	1,2,3,4,5	F-002		6000		

CP3-WM-0018-F01 - PGDP SOLID WASTE LANDFILL – LEACHATE LOG

Permit No. 073-00045

McCracken County, Kentucky

Month December Year 2020

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
12-09-20	1,2,3,4,5	F-007		1200		
12-09-20	1,2,3,4,5	F-008		1200		
12-09-20	1,2,3,4,5	F-009		700		
12-10-20	1,2,3,4,5	F-001		12500		
12-10-20	1,2,3,4,5	F-002		6000	4600	L
12-10-20	1,2,3,4,5	F-007		1200		
12-10-20	1,2,3,4,5	F-008		1200		
12-10-20	1,2,3,4,5	F-009		700		
12-14-20	1,2,3,4,5	F-001		17300	6800	L
12-14-20	1,2,3,4,5	F-002		1400		
12-14-20	1,2,3,4,5	F-007		1200		
12-14-20	1,2,3,4,5	F-008		1200		
12-14-20	1,2,3,4,5	F-009		700		
12-15-20	1,2,3,4,5	F-001		10500		
12-15-20	1,2,3,4,5	F-002		2200		
12-15-20	1,2,3,4,5	F-007		1200		
12-15-20	1,2,3,4,5	F-008		1200		
12-15-20	1,2,3,4,5	F-009		700		
12-16-20	1,2,3,4,5	F-001		10500	9100	L
12-16-20	1,2,3,4,5	F-002		3900		
12-16-20	1,2,3,4,5	F-007		1200		
12-16-20	1,2,3,4,5	F-008		1200		
12-16-20	1,2,3,4,5	F-009		700		
12-17-20	1,2,3,4,5	F-001		1400		
12-17-20	1,2,3,4,5	F-002		5500	4100	L
12-17-20	1,2,3,4,5	F-007		1200		
12-17-20	1,2,3,4,5	F-008		1200		

CP3-WM-0018-F01 - PGDP SOLID WASTE LANDFILL – LEACHATE LOG

Permit No. 073-00045

McCracken County, Kentucky

Month December Year 2020

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
12-17-20	1,2,3,4,5	F-009		700		
12-21-20	1,2,3,4,5	F-001		4800	3600	L
12-21-20	1,2,3,4,5	F-002		1400		
12-21-20	1,2,3,4,5	F-007		1200		
12-21-20	1,2,3,4,5	F-008		1200		
12-21-20	1,2,3,4,5	F-009		700		
12-22-20	1,2,3,4,5	F-001		1200		
12-22-20	1,2,3,4,5	F-002		3200	1800	L
12-22-20	1,2,3,4,5	F-007		1200		
12-22-20	1,2,3,4,5	F-008		1200		
12-22-20	1,2,3,4,5	F-009		700		
12-28-20	1,2,3,4,5	F-001		12500	10400	L
12-28-20	1,2,3,4,5	F-002		1400		
12-28-20	1,2,3,4,5	F-007		1200		
12-28-20	1,2,3,4,5	F-008		1200		
12-28-20	1,2,3,4,5	F-009		700		
12-29-20	1,2,3,4,5	F-001		2100		
12-29-20	1,2,3,4,5	F-002		2800		
12-29-20	1,2,3,4,5	F-007		1200		
12-29-20	1,2,3,4,5	F-008		1200		
12-29-20	1,2,3,4,5	F-009		700		
12-30-20	1,2,3,4,5	F-001		2100		
12-30-20	1,2,3,4,5	F-002		2800		
12-30-20	1,2,3,4,5	F-007		1200		
12-30-20	1,2,3,4,5	F-008		1200		
12-30-20	1,2,3,4,5	F-009		700		
		<i>Jimmy Smith 12-30-20</i>				

No measurements were taken on 12/23/20, 12/24/20 or 12/31/20 due to company holidays



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

January 13, 2021

Ms. Jamie Nielsen, Supervisor
Permit Administration Section
Division of Waste Management, Solid Waste Branch
Kentucky Department for Environmental Protection
300 Sower Boulevard, 2nd Floor
Frankfort, Kentucky 40601

PPPO-02-10009137-21B

Dear Ms. Nielsen:

**C-746-U SOLID WASTE LANDFILL FOURTH QUARTER CALENDAR YEAR 2020
WASTE QUANTITY REPORT, SOLID WASTE PERMIT NO. SW07300014,
SW07300015, SW07300045, AGENCY INTEREST NO. 3059**

Enclosed is the subject report for the fourth quarter calendar year 2020. This report is required in accordance with Permit Condition ACTV0006, Special Condition Number 12, of Solid Waste Permit No. SW07300014, SW07300015, SW07300045, issued September 27, 2019.

If you have any questions or require additional information, please contact David Dollins at (270) 441-6819.

Sincerely,

A handwritten signature in cursive script that reads "Jennifer Woodard".

Jennifer Woodard
Paducah Site Lead
Portsmouth/Paducah Project Office

Enclosure:

C-746-U Solid Waste Landfill Fourth Quarter Calendar Year 2020 Waste Quantity Report,
DEP Form 7046-Q

cc w/enclosure:

abigail.parish@pppo.gov, PPPO
brian.begley@ky.gov, KDEP
bruce.ford@pad.pppo.gov, FRNP
danny.anderson@ky.gov, KDEP
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Department for Environmental Protection / Division of Waste Management / Solid Waste Branch
 Quarterly Waste Quantity Report - DEP 7046-Q (Revised 2-05)

Page 1 of 1

WASTE ACTIVITY: CONTAINED LANDFILL

U.S. Department of Energy-
 Facility Name: Paducah Gaseous Diffusion Plant Permit Number: SW07300014, SW07300015, SW07300045
 County where landfill is located: McCracken Agency Interest Number: 3059
 Report for the Months of: October, November, and December For the Year of: 2020

Waste Source (County and State)	Type of Waste			**Waste Used as Alternate Daily Cover As Approved (Tons Only)
	*Municipal Solid Waste (Tons Only)	*Industrial Waste (Tons Only)	*Special Waste (Tons Only)	
Paducah Gaseous Diffusion Plant, McCracken County, Kentucky (October)	0.00	1019.00	0.00	0.00
Paducah Gaseous Diffusion Plant, McCracken County, Kentucky (November)	0.00	585.01	0.00	0.00
Paducah Gaseous Diffusion Plant, McCracken County, Kentucky (December)	0.00	180.46	0.00	0.00
Total for this page	0.00	1784.47	0.00	0.00
Grand Total of all pages	0.00	1784.47	0.00	0.00

1784.47

*Grand Total of Municipal, Industrial, and Special from all pages
 *Does not include waste used as Alternate Daily Cover.
 **Indicate the amount of waste used as Alternate Daily Cover. Please note this requires prior approval by the Cabinet.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for such violations.

Signature: *Myrna E. Redfield*

Phone Number: (270) 441-5113

Name - Please Print: Myrna E. Redfield

Date: 1/13/2021

Signature: *Jennifer Woodard*

Phone Number: (270) 441-6800

Name - Please Print: Jennifer Woodard

Date: 1/13/2021

This Certification clause shall be signed by the responsible person(s) described in 401 KAR 47:160, Section 6(1), and/or (2) and is required by 401 KAR 47:160, Section 6(4).