



Department of Energy

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

OCT 15 2019

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-02-10001108-20B

Dear Ms. Nielsen:

**C-746-S&T AND C-746-U SOLID WASTE LANDFILLS THIRD QUARTER
CALENDAR YEAR 2019 WASTE OPERATING REPORT, PADUCAH GASEOUS
DIFFUSION PLANT, PADUCAH, KENTUCKY, FRNP-RPT-0089/V3, SOLID WASTE
PERMIT NO. SW07300014, SW07300015, SW07300045, AGENCY INTEREST NO. 3059**

The U.S. Department of Energy has prepared the third quarter operating report for calendar year 2019 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 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 Landfills and C-746-U Landfill.

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 3rd Qtr. CY19 Waste Operating Report, FRNP-RPT-0089/V3

cc w/enclosures:


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CERTIFICATION


Document Identification: *C-746-S&T and C-746-U Solid Waste Landfills Third Quarter Calendar Year 2019 Waste Operating Report, Paducah Gaseous Diffusion Plant, Paducah, Kentucky, FRNP-RPT-0089/V3, Solid Waste Permit SW07300014, SW07300015, SW07300045, Agency Interest No. 3059, October 2019*

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)



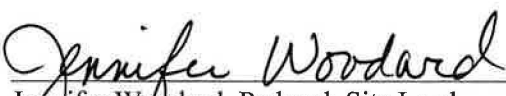
Myrna E. Redfield, Program Manager
Four Rivers Nuclear Partnership, LLC



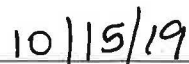
Date Signed

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U.S. Department of Energy



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



Date Signed

**C-746-S&T and C-746-U Solid Waste Landfills
Third Quarter Calendar Year 2019
Waste Operating Report
Paducah Gaseous Diffusion Plant,
Paducah, Kentucky**



This document is approved for public release per review by:

David Hayden 10-10-19
FRNP Classification Support Date

**C-746-S&T and C-746-U Solid Waste Landfills
Third Quarter Calendar Year 2019
Waste Operating Report
Paducah Gaseous Diffusion Plant,
Paducah, Kentucky**

Date Issued—October 2019

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 third quarter of calendar year 2019 for the Paducah Gaseous Diffusion Plant, McCracken County, Kentucky.

In the third quarter of calendar year 2019, a total of 425.17 tons of demolition debris and scrap metal were disposed of in the C-746-U Contained Landfill. No special waste or spill-residue-containing materials were disposed of in the landfill this quarter.

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.

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)].

Leachate Collection and Disposition

A total 182,800 gal of leachate from the C-746-U Landfill was treated at the C-746-U15 Leachate Treatment Facility this quarter. A total of 4,300 gal of 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. 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.

Construction Activities and Cover Maintenance

There were no construction activities for the C-746-S&T Landfills. 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.

There were no construction activities associated with Phases 1 through 5 at the C-746-U Landfill [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.

Liner construction activities for C-746-U Landfill Phases 6 and 7 continued into the third quarter of 2019. Installation of the 3-ft low permeability clay liner was completed and a Kentucky Division of Waste Management (KDWM) inspection was conducted on July 2, 2019. During the inspection, an area approximately 55 ft-long and 18 ft-wide, located on the northern slope, was found to be drier than the minimum moisture content. Additionally, the area bound by transit-line station 15+00 to 15+10, running the entire east—west length of Phases 6 and 7 was dry. The remainder of the site passed inspection. The KDWM representative approved site personnel to remediate the areas without KDWM re-inspection. The failed areas were remediated and retested; the test results were within the acceptable ranges of the permeability window.

After clay installation, an 80 mil double-textured, high density polyethylene (HDPE) liner was installed and 100% of the seams were tested by air pressure and vacuum box techniques. A partial KDWM inspection of the HDPE liner was conducted on July 5, 2019, and a final KDWM inspection of the HDPE liner was conducted on July 10, 2019.

A 16-oz. nonwoven geotextile fabric was placed over the HDPE liner, and an 8-inch diameter perforated drainage pipe was installed to collect and transport leachate eastward to a lower collection header. The geotextile was covered with leachate gravel (washed pea gravel) to a depth of a minimum of 12 inches, except in the area of the leachate collection pipe where the depth was a minimum of 30 inches. KDWM conducted an inspection of the drainage layer on July 16, 2019.

A 16-oz. geotextile fabric was placed over the leachate collection gravel and was then overlain with a 12-inch cushion of free-draining, red bank gravel. An on-site soil operational cover of a minimum 18 inches was placed over the cushioned gravel. Erosion blankets were placed in the northern perimeter ditch, and then seed and straw were applied to the surface of the cover in the phases to promote vegetative growth. A final KDWM inspection per *KRS 224.40-310(12)* and *401 KAR 47:160, Section 4(3)*, was conducted on July 31, 2019. Site-seeding operations were complete on August 2, 2019.

Four Rivers Nuclear Partnership, LLC, submitted the construction progress report (CPR) to KDWM on September 6, 2019 (FRNP-19-2902). KDWM received the CPR on September 9, 2019. On September 20, 2019, a notice of deficiency (NOD) was issued by KDWM (Agency Interest 3059, APE20190004). Response to the NOD was submitted to KDWM on September 25, 2019. KDWM completed review of the CPR and the response to the NOD and issued acceptance of Phases 6 and 7 liner construction on September 27, 2019.

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

Contact Person Title: Director, Technical Services,
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: July 2019

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

CP3-WM-0017-F02 - COVER LOG

DEPARTMENT OF ENERGY

PERMIT NUMBER: 073-00045

COUNTY: McCracken

Month & Year: August 2019

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

CP3-WM-0017-F02 - COVER LOG

DEPARTMENT OF ENERGY
 COUNTY: McCracken

PERMIT NUMBER: 073-00045
 Month & Year: September 2019

Day of Month	Daily Cell Location	Daily Cover Applied?	Interim Cover	Long Term Cover	Final Cap	Temporary Diversion Ditch Yes/No
1						
2						
3						
4	C-1	YES	NO	NO	NO	YES
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18	C-1	YES	NO	NO	NO	YES
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
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 July Year 2019

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
7-01-19	1,2,3,4,5	F-001		6700	2000	L
7-01-19	1,2,3,4,5	F-002		7800		
7-01-19	1,2,3,4,5	F-007		1800		
7-01-19	1,2,3,4,5	F-008		1800		
7-01-19	1,2,3,4,5	F-009		600		
7-02-19	1,2,3,4,5	F-001		4700	3600	L
7-02-19	1,2,3,4,5	F-002		9300		
7-02-19	1,2,3,4,5	F-007		1800		
7-02-19	1,2,3,4,5	F-008		1800		
7-02-19	1,2,3,4,5	F-009		600		
7-03-19	1,2,3,4,5	F-001		1800		
7-03-19	1,2,3,4,5	F-002		10100	1900	L
7-03-19	1,2,3,4,5	F-007		1800		
7-03-19	1,2,3,4,5	F-008		1800		
7-03-19	1,2,3,4,5	F-009		600		
7-08-19	1,2,3,4,5	F-001		12700		
7-08-19	1,2,3,4,5	F-002		8200	3800	L
7-08-19	1,2,3,4,5	F-007		1800		
7-08-19	1,2,3,4,5	F-008		1800		
7-08-19	1,2,3,4,5	F-009		600		
7-09-19	1,2,3,4,5	F-001		14100		
7-09-19	1,2,3,4,5	F-002		4400	3300	L
7-09-19	1,2,3,4,5	F-007		1800		
7-09-19	1,2,3,4,5	F-008		1800		
7-09-19	1,2,3,4,5	F-009		600		
7-10-19	1,2,3,4,5	F-001		14100	6800	L
7-10-19	1,2,3,4,5	F-002		2500		

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

Permit No. 073-00045

McCracken County, Kentucky

Month July Year 2019

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
7-10-19	1,2,3,4,5	F-007		1800		
7-10-19	1,2,3,4,5	F-008		1800		
7-10-19	1,2,3,4,5	F-009		600		
7-11-19	1,2,3,4,5	F-001		7300	6600	L
7-11-19	1,2,3,4,5	F-002		3900		
7-11-19	1,2,3,4,5	F-007		1800		
7-11-19	1,2,3,4,5	F-008		1800		
7-11-19	1,2,3,4,5	F-009		600		
7-15-19	1,2,3,4,5	F-001		700		
7-15-19	1,2,3,4,5	F-002		9100	5100	L
7-15-19	1,2,3,4,5	F-007		1800		
7-15-19	1,2,3,4,5	F-008		1800		
7-15-19	1,2,3,4,5	F-009		600		
7-16-19	1,2,3,4,5	F-001		9900		
7-16-19	1,2,3,4,5	F-002		4000	2900	L
7-16-19	1,2,3,4,5	F-007		1800		
7-16-19	1,2,3,4,5	F-008		1800		
7-16-19	1,2,3,4,5	F-009		600		
7-17-19	1,2,3,4,5	F-001		9900	6500	L
7-17-19	1,2,3,4,5	F-002		9100		
7-17-19	1,2,3,4,5	F-007		1800		
7-17-19	1,2,3,4,5	F-008		1800		
7-17-19	1,2,3,4,5	F-009		600		
7-18-19	1,2,3,4,5	F-001		25400	2000	L
7-18-19	1,2,3,4,5	F-002		30000	1200	L
7-18-19	1,2,3,4,5	F-007		1800		
7-18-19	1,2,3,4,5	F-008		1800		

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

Permit No. 073-00045

McCracken County, Kentucky

Month July Year 2019

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
7-18-19	1,2,3,4,5	F-009		600		
7-22-19	1,2,3,4,5	F-001		28200		
7-22-19	1,2,3,4,5	F-002		28800		
7-22-19	1,2,3,4,5	F-007		5900		
7-22-19	1,2,3,4,5	F-008		1800		
7-22-19	1,2,3,4,5	F-009		600		
7-23-19	1,2,3,4,5	F-001		28200		
7-23-19	1,2,3,4,5	F-002		28800		
7-23-19	1,2,3,4,5	F-007		7400	6300	L
7-23-19	1,2,3,4,5	F-008		1800		
7-23-19	1,2,3,4,5	F-009		600		
7-24-19	1,2,3,4,5	F-001		28200		
7-24-19	1,2,3,4,5	F-002		28800		
7-24-19	1,2,3,4,5	F-007		1100		
7-24-19	1,2,3,4,5	F-008		2800	1700	L
7-24-19	1,2,3,4,5	F-009		600		
7-25-19	1,2,3,4,5	F-001		28200		
7-25-19	1,2,3,4,5	F-002		28800		
7-25-19	1,2,3,4,5	F-007		1100		
7-25-19	1,2,3,4,5	F-008		3400	2300	L
7-25-19	1,2,3,4,5	F-009		600		
7-29-19	1,2,3,4,5	F-001		28200		
7-29-19	1,2,3,4,5	F-002		28800	6000	L
7-29-19	1,2,3,4,5	F-007		6200		
7-29-19	1,2,3,4,5	F-008		1100		
7-29-19	1,2,3,4,5	F-009		600		
7-30-19	1,2,3,4,5	F-001		28200		

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

Permit No. 073-00045

McCracken County, Kentucky

Month August Year 2019

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
8-01-19	1,2,3,4,5	F-001		28200		
8-01-19	1,2,3,4,5	F-002		15700	5800	L
8-01-19	1,2,3,4,5	F-007		4800		
8-01-19	1,2,3,4,5	F-008		4300		
8-01-19	1,2,3,4,5	F-009		600		
8-05-19	1,2,3,4,5	F-001		28200		
8-05-19	1,2,3,4,5	F-002		9900		
8-05-19	1,2,3,4,5	F-007		4800	3700	L
8-05-19	1,2,3,4,5	F-008		8700		
8-05-19	1,2,3,4,5	F-009		600		
8-06-19	1,2,3,4,5	F-001		28200		
8-06-19	1,2,3,4,5	F-002		9900		
8-06-19	1,2,3,4,5	F-007		1100		
8-06-19	1,2,3,4,5	F-008		10100	8600	L
8-06-19	1,2,3,4,5	F-009		600		
8-07-19	1,2,3,4,5	F-001		28200		
8-07-19	1,2,3,4,5	F-002		9900	7000	L
8-07-19	1,2,3,4,5	F-007		2300		
8-07-19	1,2,3,4,5	F-008		1500		
8-07-19	1,2,3,4,5	F-009		600		
8-08-19	1,2,3,4,5	F-001		28200	2100	L
8-08-19	1,2,3,4,5	F-002		2900		
8-08-19	1,2,3,4,5	F-007		3900	2700	L
8-08-19	1,2,3,4,5	F-008		1500		
8-08-19	1,2,3,4,5	F-009		600		
8-12-19	1,2,3,4,5	F-001		26100	6800	L
8-12-19	1,2,3,4,5	F-002		2900		

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

Permit No. 073-00045

McCracken County, Kentucky

Month August Year 2019

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
8-12-19	1,2,3,4,5	F-007		1200		
8-12-19	1,2,3,4,5	F-008		5500		
8-12-19	1,2,3,4,5	F-009		600		
8-13-19	1,2,3,4,5	F-001		19300	2300	L
8-13-19	1,2,3,4,5	F-002		2900		
8-13-19	1,2,3,4,5	F-007		1200		
8-13-19	1,2,3,4,5	F-008		7000	5800	L
8-13-19	1,2,3,4,5	F-009		600		
8-14-19	1,2,3,4,5	*				
8-15-19	1,2,3,4,5	*				
8-19-19	1,2,3,4,5	F-001		17000		
8-19-19	1,2,3,4,5	F-002		2900		
8-19-19	1,2,3,4,5	F-007		7200	6000	L
8-19-19	1,2,3,4,5	F-008		1200		
8-19-19	1,2,3,4,5	F-009		600		
8-20-19	1,2,3,4,5	F-001		17000	3700	L
8-20-19	1,2,3,4,5	F-002		2900		
8-20-19	1,2,3,4,5	F-007		1200		
8-20-19	1,2,3,4,5	F-008		1300		
8-20-19	1,2,3,4,5	F-009		600		
8-21-19	1,2,3,4,5	F-001		13300	6400	L
8-21-19	1,2,3,4,5	F-002		2900		
8-21-19	1,2,3,4,5	F-007		1200		
8-21-19	1,2,3,4,5	F-008		2600		
8-21-19	1,2,3,4,5	F-009		600		
8-22-19	1,2,3,4,5	F-001		6900		
8-22-19	1,2,3,4,5	F-002		2900		

*The volume of leachate was not gauged on 8-14-19 and 8-15-19. No leachate was disposed.

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

Permit No. 073-00045

McCracken County, Kentucky

Month August Year 2019

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
8-22-19	1,2,3,4,5	F-007		1200		
8-22-19	1,2,3,4,5	F-008		4600	3400	L
8-22-19	1,2,3,4,5	F-009		600		
8-26-19	1,2,3,4,5	F-001		6900		
8-26-19	1,2,3,4,5	F-002		2900		
8-26-19	1,2,3,4,5	F-007		6800	5600	L
8-26-19	1,2,3,4,5	F-008		1200		
8-26-19	1,2,3,4,5	F-009		600		
8-27-19	1,2,3,4,5	F-001		6900	2300	L
8-27-19	1,2,3,4,5	F-002		2900		
8-27-19	1,2,3,4,5	F-007		1200		
8-27-19	1,2,3,4,5	F-008		1900	700	L
8-27-19	1,2,3,4,5	F-009		600		
8-28-19	1,2,3,4,5	F-001		4600	1700	L
8-28-19	1,2,3,4,5	F-002		2900		
8-28-19	1,2,3,4,5	F-007		2600		
8-28-19	1,2,3,4,5	F-008		1200		
8-28-19	1,2,3,4,5	F-009		600		
8-29-19	1,2,3,4,5	F-001		2900		
8-29-19	1,2,3,4,5	F-002		2900		
8-29-19	1,2,3,4,5	F-007		3800		
8-29-19	1,2,3,4,5	F-008		1200		
8-29-19	1,2,3,4,5	F-009		600		

Tommy Smith 10-10-19

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

Permit No. 073-00045

McCracken County, Kentucky

Month September Year 2019

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
9-03-19	1,2,3,4,5	F-001		2900		
9-03-19	1,2,3,4,5	F-002		2900		
9-03-19	1,2,3,4,5	F-007		9500		
9-03-19	1,2,3,4,5	F-008		1200		
9-03-19	1,2,3,4,5	F-009		600		
9-04-19	1,2,3,4,5	F-001		2900		
9-04-19	1,2,3,4,5	F-002		2900		
9-04-19	1,2,3,4,5	F-007		10200	7100	L
9-04-19	1,2,3,4,5	F-008		1200		
9-04-19	1,2,3,4,5	F-009		600		
9-05-19	1,2,3,4,5	F-001		2900		
9-05-19	1,2,3,4,5	F-002		2900		
9-05-19	1,2,3,4,5	F-007		3100	1900	L
9-05-19	1,2,3,4,5	F-008		2400	1200	L
9-05-19	1,2,3,4,5	F-009		600		
9-09-19	1,2,3,4,5	F-001		7000	2100	L
9-09-19	1,2,3,4,5	F-002		2900		
9-09-19	1,2,3,4,5	F-007		1200		
9-09-19	1,2,3,4,5	F-008		1200		
9-09-19	1,2,3,4,5	F-009		600		
9-10-19	1,2,3,4,5	F-001		4900	2200	L
9-10-19	1,2,3,4,5	F-002		3400		
9-10-19	1,2,3,4,5	F-007		1200		
9-10-19	1,2,3,4,5	F-008		1200		
9-10-19	1,2,3,4,5	F-009		600		
9-11-19	1,2,3,4,5	F-001		2700	2100	L
9-11-19	1,2,3,4,5	F-002		5000		

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

Permit No. 073-00045

McCracken County, Kentucky

Month September Year 2019

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
9-11-19	1,2,3,4,5	F-007		1200		
9-11-19	1,2,3,4,5	F-008		1200		
9-11-19	1,2,3,4,5	F-009		600		
9-12-19	1,2,3,4,5	F-001		1500		
9-12-19	1,2,3,4,5	F-002		5000	3900	L
9-12-19	1,2,3,4,5	F-007		1200		
9-12-19	1,2,3,4,5	F-008		1200		
9-12-19	1,2,3,4,5	F-009		600		
9-16-19	1,2,3,4,5	F-001		4200	3000	L
9-16-19	1,2,3,4,5	F-002		1100		
9-16-19	1,2,3,4,5	F-007		1200		
9-16-19	1,2,3,4,5	F-008		1200		
9-16-19	1,2,3,4,5	F-009		600		
9-17-19	1,2,3,4,5	F-001		1200	500	L
9-17-19	1,2,3,4,5	F-002		2900	1800	L
9-17-19	1,2,3,4,5	F-007		1200		
9-17-19	1,2,3,4,5	F-008		1200		
9-17-19	1,2,3,4,5	F-009		600		
9-18-19	1,2,3,4,5	F-001		1600	1000	L
9-18-19	1,2,3,4,5	F-002		1100		
9-18-19	1,2,3,4,5	F-007		1200		
9-18-19	1,2,3,4,5	F-008		1200		
9-18-19	1,2,3,4,5	F-009		600		
9-19-19	1,2,3,4,5	*				
9-23-19	1,2,3,4,5	F-001		600		
9-23-19	1,2,3,4,5	F-002		1100		
9-23-19	1,2,3,4,5	F-007		5000	3800	L

*The volume of leachate was not gauged on 9-19-19. No leachate was disposed.

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

Permit No. 073-00045

McCracken County, Kentucky

Month September Year 2019

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
9-23-19	1,2,3,4,5	F-008		1200		
9-23-19	1,2,3,4,5	F-009		600		
9-24-19	1,2,3,4,5	F-001		600		
9-24-19	1,2,3,4,5	F-002		2800	1700	L
9-24-19	1,2,3,4,5	F-007		1200		
9-24-19	1,2,3,4,5	F-008		1200		
9-24-19	1,2,3,4,5	F-009		600		
9-25-19	1,2,3,4,5	F-001		1500	900	L
9-25-19	1,2,3,4,5	F-002		1100		
9-25-19	1,2,3,4,5	F-007		1200		
9-25-19	1,2,3,4,5	F-008		1200		
9-25-19	1,2,3,4,5	F-009		600		
9-26-19	1,2,3,4,5	F-001		600		
9-26-19	1,2,3,4,5	F-002		2000	900	L
9-26-19	1,2,3,4,5	F-007		1200		
9-26-19	1,2,3,4,5	F-008		1200		
9-26-19	1,2,3,4,5	F-009		600		
9-30-19	1,2,3,4,5	F-001		3900	2200	L
9-30-19	1,2,3,4,5	F-002		1100		
9-30-19	1,2,3,4,5	F-007		1200		
9-30-19	1,2,3,4,5	F-008		1200		
9-30-19	1,2,3,4,5	F-009		600		

Jimmy Smith 10-10-19

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



Department of Energy

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

OCT 15 2019

RECEIVED
By Carolee Thompson at 4:37 pm, Oct 15, 2019

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-02-10001113-20B

Dear Ms. Nielsen:

**C-746-U SOLID WASTE LANDFILL THIRD QUARTER CALENDAR YEAR 2019
WASTE QUANTITY REPORT, SOLID WASTE PERMIT NO. SW07300014,
SW07300015, SW07300045, AGENCY INTEREST NO. 3059**

Enclosed is the subject report for the third quarter calendar year 2019. 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:

Waste Quantity Report Form DEP 7046-Q for C-746-U Solid Waste Landfill 3rd Qtr. CY 2019

cc w/enclosure:

abigail.parish@pppo.gov, PPPO
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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

Facility Name: U.S. Department of Energy- Paducah Gaseous Diffusion Plant Permit Number: SW07300014, SW07300015, SW07300045
 County where landfill is located: McCracken Agency Interest Number: 3059
 Report for the Months of: July, August, September For the Year of: 2019

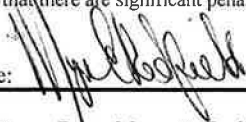
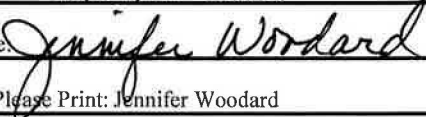
Waste Source (County and State)	Type of Waste			**Waste Used as Alternate Daily Cover As Approved (Tons Only)
	*Municipal Solid Waste (Tons Only)	*Industrial Waste (Tons Only)	*Special Waste (Tons Only)	
Paducah Gaseous Diffusion Plant, McCracken County, Kentucky (July)	0.00	124.15	0.00	0.00
Paducah Gaseous Diffusion Plant, McCracken County, Kentucky (August)	0.00	187.02	0.00	0.00
Paducah Gaseous Diffusion Plant, McCracken County, Kentucky (September)	0.00	114.00	0.00	0.00
Total for this page	0.00	425.17	0.00	0.00
Grand Total of all pages	0.00	425.17	0.00	0.00

*Grand Total of Municipal, Industrial, and Special from all pages 425.17

*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:  Phone Number: (270) 441-5113
 Name - Please Print: Myrna E. Redfield Date: 10/15/19
 Signature:  Phone Number: (270) 441-6820
 Name - Please Print: Jennifer Woodard Date: 10/15/19

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).