



## Department of Energy

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

**JUL 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-02-5667670-19B

Dear Ms. Nielsen:

**C-746-S&T AND C-746-U SOLID WASTE LANDFILLS SECOND QUARTER  
CALENDAR YEAR 2019 WASTE OPERATING REPORT, PADUCAH GASEOUS  
DIFFUSION PLANT, PADUCAH, KENTUCKY, FRNP-RPT-0089/V2, PERMIT NO.  
SW07300014, SW07300015, SW07300045, AGENCY INTEREST NO. 3059**

The U.S. Department of Energy has prepared the second 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 black ink that reads "Jennifer Woodard". The signature is written in a cursive style.

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 2nd Qtr. CY19 Waste Operating Report, FRNP-RPT-0089/V2

e-copy w/enclosures:

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CERTIFICATION

**Document Identification:** *C-746-S&T and C-746-U Solid Waste Landfills Second Quarter Calendar Year 2019 Waste Operating Report, Paducah Gaseous Diffusion Plant, Paducah, Kentucky, FRNP-RPT-0089/V2, Solid Waste Landfill Permit SW07300014, SW07300015, SW07300045, dated July 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)

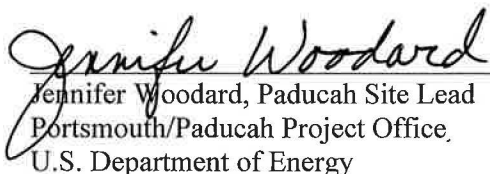


Myrna E. Redfield, Deputy Program Manager  
Four Rivers Nuclear Partnership, LLC

7/15/19  
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

7/15/19  
Date Signed

FRNP-RPT-0089/V2

**C-746-S&T and C-746-U Solid Waste Landfills  
Second 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  
FRNP Classification Support

7-10-19  
Date



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

Date Issued—July 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 second quarter of calendar year 2019 for the Paducah Gaseous Diffusion Plant, McCracken County, Kentucky.

In the second quarter of calendar year 2019, a total of 561.10 tons of demolition debris and scrap metal and 8.6 tons of asbestos containing materials 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 362,500 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 during the quarter at the C-746-U15 Leachate Treatment Facility. 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**

The C-746-S1 Landfill Service Building was decommissioned on June 28, 2019, in accordance with the Kentucky Division of Waste Management (KDWM) approval received on May 8, 2019. Reference; Application I.D. No. APE20190002 for Solid Waste Permit Nos. SW07300014, SW07300015, and SW07300045, Agency Interest No. 3059.

There were no other 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.

A kick-off meeting for the development of Phases 6 & 7 of the C-746-U Landfill was held on April 8, 2019, including representatives from the KDWM. CTI and Associates, Inc. began earthwork on April 24, 2019. The phases were excavated and prepared in accordance with approved construction design specifications and drawings. A nonwoven geotextile fabric and 2 ft of reinforcement stone were installed above the subgrade. The subgrade was successfully proof rolled, as determined by a KDWM

representative, on May 17, 2019. Installation of the 36-inch low permeability clay liner began on June 10, 2019. Construction work continues on the two phases.

## 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"

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### 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

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### SAMPLING PERSONNEL (if other than landfill or laboratory)

Company: GEO Consultants, LLC

Contact Person: Sam Martin Phone No. (270) 441-6755

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

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### 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

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### 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: April, 2019

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



# CP3-WM-0017-F02 - COVER LOG

DEPARTMENT OF ENERGY  
 COUNTY: McCracken

PERMIT NUMBER: 073-00045  
 Month & Year: May 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	<b>D-2</b>	<b>YES</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>YES</b>
14	<b>D-2</b>	<b>YES</b>	<b>YES</b>	<b>NO</b>	<b>NO</b>	<b>YES</b>
15						
16						
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26						
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28						
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31						

# CP3-WM-0017-F02 - COVER LOG

DEPARTMENT OF ENERGY  
 COUNTY: McCracken

PERMIT NUMBER: 073-00045  
 Month & Year: June 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						
19	<b>D-2</b>	<b>YES</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>YES</b>
20						
21						
22						
23						
24						
25						
26	<b>D-2</b>	<b>YES</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>YES</b>
27	<b>D-2&amp;C-2 D-1&amp;C-1</b>	<b>YES</b>	<b>YES D-2&amp;C-2</b>	<b>NO</b>	<b>NO</b>	<b>YES</b>
28	<b>C-1</b>	<b>YES</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>YES</b>
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 April Year 2019

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
4-01-19	1,2,3,4,5	F-001		24500	6000	L
4-01-19	1,2,3,4,5	F-002		2200		
4-01-19	1,2,3,4,5	F-007		1800		
4-01-19	1,2,3,4,5	F-008		4800	3000	L
4-01-19	1,2,3,4,5	F-009		600		
4-02-19	1,2,3,4,5	F-001		18500	8400	L
4-02-19	1,2,3,4,5	F-002		5900		
4-02-19	1,2,3,4,5	F-007		1800		
4-02-19	1,2,3,4,5	F-008		1800		
4-02-19	1,2,3,4,5	F-009		600		
4-03-19	1,2,3,4,5	F-001		10100	8800	L
4-03-19	1,2,3,4,5	F-002		10600		
4-03-19	1,2,3,4,5	F-007		1800		
4-03-19	1,2,3,4,5	F-008		1800		
4-03-19	1,2,3,4,5	F-009		600		
4-04-19	1,2,3,4,5	F-001		1300		
4-04-19	1,2,3,4,5	F-002		14500	8600	L
4-04-19	1,2,3,4,5	F-007		1800		
4-04-19	1,2,3,4,5	F-008		1800		
4-04-19	1,2,3,4,5	F-009		600		
4-08-19	1,2,3,4,5	F-001		16100	1500	L
4-08-19	1,2,3,4,5	F-002		5900	4800	L
4-08-19	1,2,3,4,5	F-007		1800		
4-08-19	1,2,3,4,5	F-008		1800		
4-08-19	1,2,3,4,5	F-009		600		
4-09-19	1,2,3,4,5	F-001		14600	7500	L
4-09-19	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 April Year 2019

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
4-09-19	1,2,3,4,5	F-007		1800		
4-09-19	1,2,3,4,5	F-008		1800		
4-09-19	1,2,3,4,5	F-009		600		
4-10-19	1,2,3,4,5	F-001		7100	4200	L
4-10-19	1,2,3,4,5	F-002		5200	3300	L
4-10-19	1,2,3,4,5	F-007		1800		
4-10-19	1,2,3,4,5	F-008		1800		
4-10-19	1,2,3,4,5	F-009		600		
4-11-19	1,2,3,4,5	F-001		4100	4000	L
4-11-19	1,2,3,4,5	F-002		3600	2900	L
4-11-19	1,2,3,4,5	F-007		1800		
4-11-19	1,2,3,4,5	F-008		1800		
4-11-19	1,2,3,4,5	F-009		600		
4-15-19	1,2,3,4,5	F-001		18900		
4-15-19	1,2,3,4,5	F-002		1000		
4-15-19	1,2,3,4,5	F-007		1800		
4-15-19	1,2,3,4,5	F-008		1800		
4-15-19	1,2,3,4,5	F-009		600		
4-16-19	1,2,3,4,5	F-001		18900	7600	L
4-16-19	1,2,3,4,5	F-002		7100		
4-16-19	1,2,3,4,5	F-007		1800		
4-16-19	1,2,3,4,5	F-008		1800		
4-16-19	1,2,3,4,5	F-009		600		
4-17-19	1,2,3,4,5	F-001		11300	9400	L
4-17-19	1,2,3,4,5	F-002		12600		
4-17-19	1,2,3,4,5	F-007		1800		
4-17-19	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 April Year 2019

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
4-17-19	1,2,3,4,5	F-009		600		
4-22-19	1,2,3,4,5	F-001		1900		
4-22-19	1,2,3,4,5	F-002		28600	4900	L
4-22-19	1,2,3,4,5	F-007		1800		
4-22-19	1,2,3,4,5	F-008		1800		
4-22-19	1,2,3,4,5	F-009		600		
4-23-19	1,2,3,4,5	F-001		8700		
4-23-19	1,2,3,4,5	F-002		23700	9600	L
4-23-19	1,2,3,4,5	F-007		1800		
4-23-19	1,2,3,4,5	F-008		1800		
4-23-19	1,2,3,4,5	F-009		600		
4-24-19	1,2,3,4,5	F-001		14100		
4-24-19	1,2,3,4,5	F-002		14100	9700	L
4-24-19	1,2,3,4,5	F-007		1800		
4-24-19	1,2,3,4,5	F-008		1800		
4-24-19	1,2,3,4,5	F-009		600		
4-25-19	1,2,3,4,5	F-001		18800	10000	L
4-25-19	1,2,3,4,5	F-002		4400		
4-25-19	1,2,3,4,5	F-007		1800		
4-25-19	1,2,3,4,5	F-008		1800		
4-25-19	1,2,3,4,5	F-009		600		
4-29-19	1,2,3,4,5	F-001		8800	3600	L
4-29-19	1,2,3,4,5	F-002		20800		
4-29-19	1,2,3,4,5	F-007		1800		
4-29-19	1,2,3,4,5	F-008		1800		
4-29-19	1,2,3,4,5	F-009		600		
4-30-19	1,2,3,4,5	F-001		5200		





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

Permit No. 073-00045

McCracken County, Kentucky

Month May Year 2019

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
5-01-19	1,2,3,4,5	F-001		8400		
5-01-19	1,2,3,4,5	F-002		14900	9800	L
5-01-19	1,2,3,4,5	F-007		1800		
5-01-19	1,2,3,4,5	F-008		1800		
5-01-19	1,2,3,4,5	F-009		600		
5-02-19	1,2,3,4,5	F-001		12300	9900	L
5-02-19	1,2,3,4,5	F-002		5100		
5-02-19	1,2,3,4,5	F-007		1800		
5-02-19	1,2,3,4,5	F-008		1800		
5-02-19	1,2,3,4,5	F-009		600		
5-06-19	1,2,3,4,5	F-001		2500		
5-06-19	1,2,3,4,5	F-002		30000	10600	L
5-06-19	1,2,3,4,5	F-007		1800		
5-06-19	1,2,3,4,5	F-008		1800		
5-06-19	1,2,3,4,5	F-009		600		
5-07-19	1,2,3,4,5	F-001		8200		
5-07-19	1,2,3,4,5	F-002		19400	8700	L
5-07-19	1,2,3,4,5	F-007		1800		
5-07-19	1,2,3,4,5	F-008		1800		
5-07-19	1,2,3,4,5	F-009		600		
5-08-19	1,2,3,4,5	F-001		13100		
5-08-19	1,2,3,4,5	F-002		10700	9600	L
5-08-19	1,2,3,4,5	F-007		1800		
5-08-19	1,2,3,4,5	F-008		1800		
5-08-19	1,2,3,4,5	F-009		600		
5-09-19	1,2,3,4,5	F-001		18000	9700	L
5-09-19	1,2,3,4,5	F-002		1100		

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

Permit No. 073-00045

McCracken County, Kentucky

Month May Year 2019

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
5-09-19	1,2,3,4,5	F-007		1800		
5-09-19	1,2,3,4,5	F-008		1800		
5-09-19	1,2,3,4,5	F-009		600		
5-13-19	1,2,3,4,5	F-001		8300	7700	L
5-13-19	1,2,3,4,5	F-002		19000	1700	L
5-13-19	1,2,3,4,5	F-007		1800		
5-13-19	1,2,3,4,5	F-008		1800		
5-13-19	1,2,3,4,5	F-009		600		
5-14-19	1,2,3,4,5	F-001		2200		
5-14-19	1,2,3,4,5	F-002		17300	9900	L
5-14-19	1,2,3,4,5	F-007		1800		
5-14-19	1,2,3,4,5	F-008		1800		
5-14-19	1,2,3,4,5	F-009		600		
5-15-19	1,2,3,4,5	F-001		6700	5600	L
5-15-19	1,2,3,4,5	F-002		11300	2200	L
5-15-19	1,2,3,4,5	F-007		1800		
5-15-19	1,2,3,4,5	F-008		1800		
5-15-19	1,2,3,4,5	F-009		600		
5-16-19	1,2,3,4,5	F-001		5200		
5-16-19	1,2,3,4,5	F-002		9100	6800	L
5-16-19	1,2,3,4,5	F-007		1800		
5-16-19	1,2,3,4,5	F-008		1800		
5-16-19	1,2,3,4,5	F-009		600		
5-20-19	1,2,3,4,5	F-001		7900		
5-20-19	1,2,3,4,5	F-002		22700	9600	L
5-20-19	1,2,3,4,5	F-007		1800		
5-20-19	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 May Year 2019

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
5-20-19	1,2,3,4,5	F-009		600		
5-21-19	1,2,3,4,5	F-001		8600	8000	L
5-21-19	1,2,3,4,5	F-002		13100		
5-21-19	1,2,3,4,5	F-007		1800		
5-21-19	1,2,3,4,5	F-008		1800		
5-21-19	1,2,3,4,5	F-009		600		
5-22-19	1,2,3,4,5	F-001		600		
5-22-19	1,2,3,4,5	F-002		18000	6900	L
5-22-19	1,2,3,4,5	F-007		1800		
5-22-19	1,2,3,4,5	F-008		1800		
5-22-19	1,2,3,4,5	F-009		600		
5-23-19	1,2,3,4,5	F-001		9600	8800	L
5-23-19	1,2,3,4,5	F-002		11100		
5-23-19	1,2,3,4,5	F-007		1800		
5-23-19	1,2,3,4,5	F-008		1800		
5-23-19	1,2,3,4,5	F-009		600		
5-28-19	1,2,3,4,5	F-001		800		
5-28-19	1,2,3,4,5	F-002		28000	8400	L
5-28-19	1,2,3,4,5	F-007		1800		
5-28-19	1,2,3,4,5	F-008		1800		
5-28-19	1,2,3,4,5	F-009		600		
5-29-19	1,2,3,4,5	F-001		3900		
5-29-19	1,2,3,4,5	F-002		19600	9900	L
5-29-19	1,2,3,4,5	F-007		1800		
5-29-19	1,2,3,4,5	F-008		1800		
5-29-19	1,2,3,4,5	F-009		600		
5-30-19	1,2,3,4,5	F-001		5500		



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

Permit No. 073-00045

McCracken County, Kentucky

Month June Year 2019

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
6-03-19	1,2,3,4,5	F-001		28000	10000	L
6-03-19	1,2,3,4,5	F-002		2300		
6-03-19	1,2,3,4,5	F-007		1800		
6-03-19	1,2,3,4,5	F-008		1800		
6-03-19	1,2,3,4,5	F-009		600		
6-04-19	1,2,3,4,5	F-001		18000	9900	L
6-04-19	1,2,3,4,5	F-002		6100		
6-04-19	1,2,3,4,5	F-007		1800		
6-04-19	1,2,3,4,5	F-008		1800		
6-04-19	1,2,3,4,5	F-009		600		
6-05-19	1,2,3,4,5	F-001		8100		
6-05-19	1,2,3,4,5	F-002		10100	8700	L
6-05-19	1,2,3,4,5	F-007		1800		
6-05-19	1,2,3,4,5	F-008		1800		
6-05-19	1,2,3,4,5	F-009		600		
6-06-19	1,2,3,4,5	F-001		11200	9900	L
6-06-19	1,2,3,4,5	F-002		1400		
6-06-19	1,2,3,4,5	F-007		1800		
6-06-19	1,2,3,4,5	F-008		1800		
6-06-19	1,2,3,4,5	F-009		600		
6-10-19	1,2,3,4,5	F-001		1400		
6-10-19	1,2,3,4,5	F-002		12800	9100	L
6-10-19	1,2,3,4,5	F-007		1800		
6-10-19	1,2,3,4,5	F-008		1800		
6-10-19	1,2,3,4,5	F-009		600		
6-11-19	1,2,3,4,5	F-001		4200	3600	L
6-11-19	1,2,3,4,5	F-002		3700		

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

Permit No. 073-00045

McCracken County, Kentucky

Month June Year 2019

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
6-11-19	1,2,3,4,5	F-007		1800		
6-11-19	1,2,3,4,5	F-008		1800		
6-11-19	1,2,3,4,5	F-009		600		
6-12-19	1,2,3,4,5	F-001		600		
6-12-19	1,2,3,4,5	F-002		6000	4900	L
6-12-19	1,2,3,4,5	F-007		1800		
6-12-19	1,2,3,4,5	F-008		1800		
6-12-19	1,2,3,4,5	F-009		600		
6-17-19	1,2,3,4,5	F-001		10500	6500	L
6-17-19	1,2,3,4,5	F-002		1100		
6-17-19	1,2,3,4,5	F-007		1800		
6-17-19	1,2,3,4,5	F-008		1800		
6-17-19	1,2,3,4,5	F-009		600		
6-18-19	1,2,3,4,5	F-001		4000	3300	L
6-18-19	1,2,3,4,5	F-002		2700		
6-18-19	1,2,3,4,5	F-007		1800		
6-18-19	1,2,3,4,5	F-008		1800		
6-18-19	1,2,3,4,5	F-009		600		
6-19-19	1,2,3,4,5	F-001		700		
6-19-19	1,2,3,4,5	F-002		5000	3900	L
6-19-19	1,2,3,4,5	F-007		1800		
6-19-19	1,2,3,4,5	F-008		1800		
6-19-19	1,2,3,4,5	F-009		600		
6-20-19	1,2,3,4,5	F-001		3000	2300	L
6-20-19	1,2,3,4,5	F-002		1100		
6-20-19	1,2,3,4,5	F-007		1800		
6-20-19	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 June Year 2019

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
6-20-19	1,2,3,4,5	F-009		600		
6-24-19	1,2,3,4,5	F-001		700		
6-24-19	1,2,3,4,5	F-002		12600	2100	L
6-24-19	1,2,3,4,5	F-007		1800		
6-24-19	1,2,3,4,5	F-008		1800		
6-24-19	1,2,3,4,5	F-009		600		
6-25-19	1,2,3,4,5	F-001		2900		
6-25-19	1,2,3,4,5	F-002		10500	2900	L
6-25-19	1,2,3,4,5	F-007		1800		
6-25-19	1,2,3,4,5	F-008		1800		
6-25-19	1,2,3,4,5	F-009		600		
6-26-19	1,2,3,4,5	F-001		4400		
6-26-19	1,2,3,4,5	F-002		7600	4700	L
6-26-19	1,2,3,4,5	F-007		1800		
6-26-19	1,2,3,4,5	F-008		1800		
6-26-19	1,2,3,4,5	F-009		600		
6-27-19	1,2,3,4,5	F-001		6700		
6-27-19	1,2,3,4,5	F-002		2900	1800	L
6-27-19	1,2,3,4,5	F-007		1800		
6-27-19	1,2,3,4,5	F-008		1800		
6-27-19	1,2,3,4,5	F-009		600		

*Jimmy Smith 6-27-19*

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



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## Department of Energy

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

**JUL 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-02-5664931-19B

Dear Ms. Nielsen:

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

Enclosed is the subject report for the second quarter calendar year 2019. This report is required in accordance with Permit Condition ACTV0006, Special Condition Number 12, of Solid Waste Landfill Permit No. SW07300014, SW07300015, SW07300045, issued May 8, 2019.

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

Sincerely,

A handwritten signature in black ink that reads "Jennifer Woodard".

Jennifer Woodard  
Paducah Site Lead  
Portsmouth/Paducah Project Office

Enclosure:

C-746-U Solid Waste Landfill 2nd Qtr CY 2019 Waste Quantity Report DEP Form 7046-Q

e-copy w/enclosure:

april.ladd@pppo.gov, PPPO  
april.webb@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- SW07300014, SW07300015,  
 Facility Name: Paducah Gaseous Diffusion Plant Permit Number: SW07300045  
 County where landfill is located: McCracken Agency Interest Number: 3059  
 Report for the Months of: April, May, June 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 (April)	0.00	245.56	0.00	0.00
Paducah Gaseous Diffusion Plant, McCracken County, Kentucky (May)	0.00	106.86	0.00	0.00
Paducah Gaseous Diffusion Plant, McCracken County, Kentucky (June)	0.00	217.28	0.00	0.00
<b>Total for this page</b>	0.00	569.70	0.00	0.00
<b>Grand Total of all pages</b>	0.00	569.70	0.00	0.00

**\*Grand Total of Municipal, Industrial, and Special from all pages** 569.70

\*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: 7/15/19

Signature: 

Phone Number: (270) 441-6800

Name - Please Print: Jennifer Woodard

Date: 7/15/19

This Certification clause shall be signed by the responsible person(s) described in 401 KAR 47:166, Section 6(1), and/or (2) and is required by 401 KAR 47:160, Section 6(4).