



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

October 14, 2020

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-02-10008269-21B

Dear Ms. Nielsen:

**C-746-S&T AND C-746-U SOLID WASTE LANDFILLS THIRD QUARTER
CALENDAR YEAR 2020 WASTE OPERATING REPORT, PADUCAH GASEOUS
DIFFUSION PLANT, PADUCAH, KENTUCKY, FRNP-RPT-0134/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 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 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 Third Quarter Calendar Year 2020 Waste Operating Report, FRNP-RPT-0134/V3

cc w/enclosures:


abigail.parish@pppo.gov, PPPO
brian.begley@ky.gov, KDEP
bruce.ford@pad.pppo.gov, FRNP
danny.anderson@ky.gov, KDEP
dave.dollins@pppo.gov, PPPO
david.ruckstuhl@pad.pppo.gov, FRNP
dennis.greene@pad.pppo.gov, FRNP
frnpcorrespondence@pad.pppo.gov
gary.hines@pad.pppo.gov, FRNP
james.miller@pad.pppo.gov, FRNP
jennifer.woodard@pppo.gov, PPPO
jerry.arnzen@pad.pppo.gov, FRNP
joel.bradburne@pppo.gov, PPPO
kelly.layne@pad.pppo.gov, FRNP
leo.williamson@ky.gov, KDEP
lisa.crabtree@pad.pppo.gov, FRNP
myrna.redfield@pad.pppo.gov, FRNP
pad.rmc@pad.pppo.gov
robert.edwards@pppo.gov, PPPO
tammy.smith@pad.pppo.gov, FRNP
teresa.osborne@ky.gov, KDEP
tracey.duncan@pppo.gov, PPPO

CERTIFICATION

Document Identification: *C-746-S&T and C-746-U Solid Waste Landfills Third Quarter Calendar Year 2020 Waste Operating Report, Paducah Gaseous Diffusion Plant, Paducah, Kentucky, FRNP-RPT-0134/V3, Solid Waste Permit SW07300014, SW07300015, SW07300045, Agency Interest No. 3059, October 2020*

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)

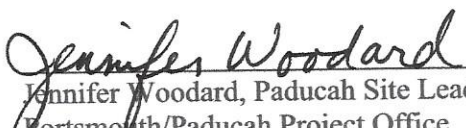
 FOR M.ER.

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

10/14/2020
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
Fortsmouth/Paducah Project Office
U.S. Department of Energy

10/14/2020
Date Signed

**C-746-S&T and C-746-U Solid Waste Landfills
Third 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

10-14-2020
Date

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

Date Issued—October 2020

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

THIS PAGE INTENTIONALLY LEFT BLANK

CONTENTS

REPORT SUMMARY.....	v
FACILITY INFORMATION SHEET.....	1
COVER LOG.....	3
LEACHATE LOG.....	9

THIS PAGE INTENTIONALLY LEFT BLANK

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 2020 for the Paducah Gaseous Diffusion Plant, McCracken County, Kentucky.

In the third quarter of calendar year 2020, a total of 491.61 tons of industrial waste was disposed of in the C-746-U Contained Landfill. There were 11.87 tons of asbestos-containing materials disposed of as part of the 491.61 total tons of waste dispositioned. 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 140,500 gal of leachate from the C-746-U Landfill was treated at the C-746-U15 Leachate Treatment Facility this quarter. A total of 5,200 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.

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.

On September 9, 2020, a methane gas vent pipe was discovered broken away from its concrete support and lying on the ground at Cell No. 3. The Plant Shift Superintendent and landfill personnel immediately controlled the area and took precautionary measures to protect the gas vent opening. A temporary repair was made to the methane vent pipe, with plans for a permanent repair currently in progress.

On September 23, 2020, the methane sensor in the underground storm shelter at the C-746-U Landfill was air-gapped and disabled as the underground storm shelter is being replaced with a new above ground shelter. A new methane sensor will be installed in the new storm shelter. This construction activity is expected to be completed in the next quarter [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.

THIS PAGE INTENTIONALLY LEFT BLANK

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

THIS PAGE INTENTIONALLY LEFT BLANK

COVER LOG

THIS PAGE INTENTIONALLY LEFT BLANK

CP3-WM-0017-F02 - COVER LOG

DEPARTMENT OF ENERGY
 COUNTY: McCracken

PERMIT NUMBER: 073-00045
 Month & Year: July 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						
4						
5						
6						
7						
8						
9	D1&D2	YES	YES	NO	NO	YES
10						
11						
12						
13	D-2	YES	NO	NO	NO	YES
14	D-2	YES	YES	NO	NO	YES
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

PERMIT NUMBER: 073-00045

COUNTY: McCracken

Month & Year: August 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						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24	D-2	YES	NO	NO	NO	YES
25	D-2	YES	NO	NO	NO	YES
26						
27						
28						
29						
30						
31						

CP3-WM-0017-F02 - COVER LOG

DEPARTMENT OF ENERGY

PERMIT NUMBER: 073-00045

COUNTY: McCracken

Month & Year: September 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						
4						
5						
6						
7						
8	D-2	YES	NO	NO	NO	YES
9	D-2	YES	NO	NO	NO	YES
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23	D-3	YES	NO	NO	NO	YES
24						
25	D-2	YES	NO	NO	NO	YES
26						
27						
28						
29						
30	D-3	YES	NO	NO	NO	YES
31						

THIS PAGE INTENTIONALLY LEFT BLANK

LEACHATE LOG

THIS PAGE INTENTIONALLY LEFT BLANK

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

Permit No. 073-00045

McCracken County, Kentucky

Month July Year 2020

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
7-01-20	1,2,3,4,5	F-001		11600	9000	L
7-01-20	1,2,3,4,5	F-002		4100		
7-01-20	1,2,3,4,5	F-007		1200		
7-01-20	1,2,3,4,5	F-008		1200		
7-01-20	1,2,3,4,5	F-009		600		
7-02-20	1,2,3,4,5	F-001		2600		
7-02-20	1,2,3,4,5	F-002		7500	6100	L
7-02-20	1,2,3,4,5	F-007		1200		
7-02-20	1,2,3,4,5	F-008		1200		
7-02-20	1,2,3,4,5	F-009		600		
7-07-20	1,2,3,4,5	F-001		10500		
7-07-20	1,2,3,4,5	F-002		1400		
7-07-20	1,2,3,4,5	F-007		1200		
7-07-20	1,2,3,4,5	F-008		1200		
7-07-20	1,2,3,4,5	F-009		600		
7-08-20	1,2,3,4,5	F-001		12500	9700	L
7-08-20	1,2,3,4,5	F-002		1400		
7-08-20	1,2,3,4,5	F-007		1200		
7-08-20	1,2,3,4,5	F-008		1200		
7-08-20	1,2,3,4,5	F-009		600		
7-09-20	1,2,3,4,5	F-001		2800		
7-09-20	1,2,3,4,5	F-002		2600		
7-09-20	1,2,3,4,5	F-007		1200		
7-09-20	1,2,3,4,5	F-008		1200		
7-09-20	1,2,3,4,5	F-009		600		
7-13-20	1,2,3,4,5	F-001		2800		
7-13-20	1,2,3,4,5	F-002		6800	5400	L

No measurements were taken on 7/06/20 due to a company holiday

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

Permit No. 073-00045

McCracken County, Kentucky

Month July Year 2020

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
7-13-20	1,2,3,4,5	F-007		1200		
7-13-20	1,2,3,4,5	F-008		1200		
7-13-20	1,2,3,4,5	F-009		600		
7-14-20	1,2,3,4,5	F-001		5300		
7-14-20	1,2,3,4,5	F-002		1400		
7-14-20	1,2,3,4,5	F-007		1200		
7-14-20	1,2,3,4,5	F-008		1200		
7-14-20	1,2,3,4,5	F-009		600		
7-15-20	1,2,3,4,5	F-001		6500	5100	L
7-15-20	1,2,3,4,5	F-002		1400		
7-15-20	1,2,3,4,5	F-007		1200		
7-15-20	1,2,3,4,5	F-008		1200		
7-15-20	1,2,3,4,5	F-009		600		
7-16-20	1,2,3,4,5	F-001		1400		
7-16-20	1,2,3,4,5	F-002		2400		
7-16-20	1,2,3,4,5	F-007		1200		
7-16-20	1,2,3,4,5	F-008		1200		
7-16-20	1,2,3,4,5	F-009		600		
7-20-20	1,2,3,4,5	F-001		1400		
7-20-20	1,2,3,4,5	F-002		6800	5400	L
7-20-20	1,2,3,4,5	F-007		1200		
7-20-20	1,2,3,4,5	F-008		1200		
7-20-20	1,2,3,4,5	F-009		600		
7-21-20	1,2,3,4,5	F-001		2600		
7-21-20	1,2,3,4,5	F-002		1400		
7-21-20	1,2,3,4,5	F-007		1200		
7-21-20	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 July Year 2020

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
7-21-20	1,2,3,4,5	F-009		600		
7-22-20	1,2,3,4,5	F-001		3700		
7-22-20	1,2,3,4,5	F-002		1400		
7-22-20	1,2,3,4,5	F-007		1200		
7-22-20	1,2,3,4,5	F-008		1200		
7-22-20	1,2,3,4,5	F-009		600		
7-23-20	1,2,3,4,5	F-001		4800		
7-23-20	1,2,3,4,5	F-002		1400		
7-23-20	1,2,3,4,5	F-007		1200		
7-23-20	1,2,3,4,5	F-008		1200		
7-23-20	1,2,3,4,5	F-009		600		
7-27-20	1,2,3,4,5	F-001		9100		
7-27-20	1,2,3,4,5	F-002		1400		
7-27-20	1,2,3,4,5	F-007		1200		
7-27-20	1,2,3,4,5	F-008		1200		
7-27-20	1,2,3,4,5	F-009		600		
7-28-20	1,2,3,4,5	F-001		9700	5800	L
7-28-20	1,2,3,4,5	F-002		1400		
7-28-20	1,2,3,4,5	F-007		1200		
7-28-20	1,2,3,4,5	F-008		1200		
7-28-20	1,2,3,4,5	F-009		600		
7-29-20	1,2,3,4,5	F-001		3900	2500	L
7-29-20	1,2,3,4,5	F-002		2600		
7-29-20	1,2,3,4,5	F-007		1200		
7-29-20	1,2,3,4,5	F-008		1200		
7-29-20	1,2,3,4,5	F-009		600		
7-30-20	1,2,3,4,5	F-001		1400		

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

Permit No. 073-00045

McCracken County, Kentucky

Month July

Year 2020

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
7-30-20	1,2,3,4,5	F-002		5300	3900	L
7-30-20	1,2,3,4,5	F-007		1200		
7-30-20	1,2,3,4,5	F-008		1200		
7-30-20	1,2,3,4,5	F-009		600		

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

Permit No. 073-00045

McCracken County, Kentucky

Month August Year 2020

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
8-03-20	1,2,3,4,5	F-001		10000		
8-03-20	1,2,3,4,5	F-002		1400		
8-03-20	1,2,3,4,5	F-007		1200		
8-03-20	1,2,3,4,5	F-008		1200		
8-03-20	1,2,3,4,5	F-009		600		
8-04-20	1,2,3,4,5	F-001		12200		
8-04-20	1,2,3,4,5	F-002		1400		
8-04-20	1,2,3,4,5	F-007		1200		
8-04-20	1,2,3,4,5	F-008		1200		
8-04-20	1,2,3,4,5	F-009		600		
8-05-20	1,2,3,4,5	F-001		15000	2800	L
8-05-20	1,2,3,4,5	F-002		1400		
8-05-20	1,2,3,4,5	F-007		1200		
8-05-20	1,2,3,4,5	F-008		1200		
8-05-20	1,2,3,4,5	F-009		600		
8-06-20	1,2,3,4,5	F-001		12200		
8-06-20	1,2,3,4,5	F-002		3200		
8-06-20	1,2,3,4,5	F-007		1200		
8-06-20	1,2,3,4,5	F-008		1200		
8-06-20	1,2,3,4,5	F-009		600		
8-10-20	1,2,3,4,5	F-001		12200		
8-10-20	1,2,3,4,5	F-002		10000		
8-10-20	1,2,3,4,5	F-007		1200		
8-10-20	1,2,3,4,5	F-008		1200		
8-10-20	1,2,3,4,5	F-009		600		
8-11-20	1,2,3,4,5	F-001		12200	4900	L
8-11-20	1,2,3,4,5	F-002		11300		

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

Permit No. 073-00045

McCracken County, Kentucky

Month August Year 2020

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
8-11-20	1,2,3,4,5	F-007		1200		
8-11-20	1,2,3,4,5	F-008		1200		
8-11-20	1,2,3,4,5	F-009		600		
8-12-20	1,2,3,4,5	F-001		7300		
8-12-20	1,2,3,4,5	F-002		12800		
8-12-20	1,2,3,4,5	F-007		1200		
8-12-20	1,2,3,4,5	F-008		1200		
8-12-20	1,2,3,4,5	F-009		600		
8-13-20	1,2,3,4,5	F-001		7300		
8-13-20	1,2,3,4,5	F-002		15300		
8-13-20	1,2,3,4,5	F-007		1200		
8-13-20	1,2,3,4,5	F-008		1200		
8-13-20	1,2,3,4,5	F-009		600		
8-17-20	1,2,3,4,5	F-001		7300		
8-17-20	1,2,3,4,5	F-002		19300		
8-17-20	1,2,3,4,5	F-007		1200		
8-17-20	1,2,3,4,5	F-008		1200		
8-17-20	1,2,3,4,5	F-009		600		
8-18-20	1,2,3,4,5	F-001		7300		
8-18-20	1,2,3,4,5	F-002		22300		
8-18-20	1,2,3,4,5	F-007		1200		
8-18-20	1,2,3,4,5	F-008		1200		
8-18-20	1,2,3,4,5	F-009		600		
8-19-20	1,2,3,4,5	F-001		7300		
8-19-20	1,2,3,4,5	F-002		24400		
8-19-20	1,2,3,4,5	F-007		1200		
8-19-20	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 August Year 2020

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
8-19-20	1,2,3,4,5	F-009		600		
8-20-20	1,2,3,4,5	F-001		7300		
8-20-20	1,2,3,4,5	F-002		25900		
8-20-20	1,2,3,4,5	F-007		1200		
8-20-20	1,2,3,4,5	F-008		1200		
8-20-20	1,2,3,4,5	F-009		600		
8-24-20	1,2,3,4,5	F-001		14800		
8-24-20	1,2,3,4,5	F-002		28100	10200	L
8-24-20	1,2,3,4,5	F-007		1200		
8-24-20	1,2,3,4,5	F-008		1200		
8-24-20	1,2,3,4,5	F-009		600		
8-25-20	1,2,3,4,5	F-001		16500		
8-25-20	1,2,3,4,5	F-002		17900	10100	L
8-25-20	1,2,3,4,5	F-007		1200		
8-25-20	1,2,3,4,5	F-008		1200		
8-25-20	1,2,3,4,5	F-009		600		
8-26-20	1,2,3,4,5	F-001		17600		
8-26-20	1,2,3,4,5	F-002		7800		
8-26-20	1,2,3,4,5	F-007		1200		
8-26-20	1,2,3,4,5	F-008		1200		
8-26-20	1,2,3,4,5	F-009		600		
8-27-20	1,2,3,4,5	F-001		19000		
8-27-20	1,2,3,4,5	F-002		7800	4100	L
8-27-20	1,2,3,4,5	F-007		1200		
8-27-20	1,2,3,4,5	F-008		1200		
8-27-20	1,2,3,4,5	F-009		600		
8-31-20	1,2,3,4,5	F-001		24200		

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

Permit No. 073-00045

McCracken County, Kentucky

Month September Year 2020

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
9-01-20	1,2,3,4,5	F-001		25200	9300	L
9-01-20	1,2,3,4,5	F-002		3700		
9-01-20	1,2,3,4,5	F-007		1200		
9-01-20	1,2,3,4,5	F-008		1200		
9-01-20	1,2,3,4,5	F-009		600		
9-02-20	1,2,3,4,5	F-001		15900	10900	L
9-02-20	1,2,3,4,5	F-002		5000		
9-02-20	1,2,3,4,5	F-007		1200		
9-02-20	1,2,3,4,5	F-008		1200		
9-02-20	1,2,3,4,5	F-009		600		
9-03-20	1,2,3,4,5	F-001		5000	3600	L
9-03-20	1,2,3,4,5	F-002		6800		
9-03-20	1,2,3,4,5	F-007		1200		
9-03-20	1,2,3,4,5	F-008		1200		
9-03-20	1,2,3,4,5	F-009		600		
9-08-20	1,2,3,4,5	F-001		8300		
9-08-20	1,2,3,4,5	F-002		7800	6600	L
9-08-20	1,2,3,4,5	F-007		1200		
9-08-20	1,2,3,4,5	F-008		1200		
9-08-20	1,2,3,4,5	F-009		600		
9-09-20	1,2,3,4,5	F-001		9100	5400	L
9-09-20	1,2,3,4,5	F-002		1400		
9-09-20	1,2,3,4,5	F-007		1200		
9-09-20	1,2,3,4,5	F-008		1200		
9-09-20	1,2,3,4,5	F-009		600		
9-10-20	1,2,3,4,5	F-001		3700	2300	L
9-10-20	1,2,3,4,5	F-002		2200		

No measurements were taken on 09/07/2020 due to a company holiday

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

Permit No. 073-00045

McCracken County, Kentucky

Month September Year 2020

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
9-10-20	1,2,3,4,5	F-007		1200		
9-10-20	1,2,3,4,5	F-008		1200		
9-10-20	1,2,3,4,5	F-009		600		
9-14-20	1,2,3,4,5	F-001		1400		
9-14-20	1,2,3,4,5	F-002		9100		
9-14-20	1,2,3,4,5	F-007		1200		
9-14-20	1,2,3,4,5	F-008		1200		
9-14-20	1,2,3,4,5	F-009		600		
9-15-20	1,2,3,4,5	F-001		1400		
9-15-20	1,2,3,4,5	F-002		10800		
9-15-20	1,2,3,4,5	F-007		1200		
9-15-20	1,2,3,4,5	F-008		1200		
9-15-20	1,2,3,4,5	F-009		600		
9-16-20	1,2,3,4,5	F-001		1400		
9-16-20	1,2,3,4,5	F-002		11600		
9-16-20	1,2,3,4,5	F-007		1200		
9-16-20	1,2,3,4,5	F-008		1200		
9-16-20	1,2,3,4,5	F-009		600		
9-17-20	1,2,3,4,5	F-001		1400		
9-17-20	1,2,3,4,5	F-002		13300		
9-17-20	1,2,3,4,5	F-007		1200		
9-17-20	1,2,3,4,5	F-008		1200		
9-17-20	1,2,3,4,5	F-009		600		
9-21-20	1,2,3,4,5	F-001		1400		
9-21-20	1,2,3,4,5	F-002		17300		
9-21-20	1,2,3,4,5	F-007		1200		
9-21-20	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 September Year 2020

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
9-21-20	1,2,3,4,5	F-009		600		
9-22-20	1,2,3,4,5	F-001		1400		
9-22-20	1,2,3,4,5	F-002		18200		
9-22-20	1,2,3,4,5	F-007		1200		
9-22-20	1,2,3,4,5	F-008		1200		
9-22-20	1,2,3,4,5	F-009		600		
9-23-20	1,2,3,4,5	F-001		1400		
9-23-20	1,2,3,4,5	F-002		18800	11300	L
9-23-20	1,2,3,4,5	F-007		1200		
9-23-20	1,2,3,4,5	F-008		1200		
9-23-20	1,2,3,4,5	F-009		600		
9-24-20	1,2,3,4,5	F-001		2200		
9-24-20	1,2,3,4,5	F-002		7500		
9-24-20	1,2,3,4,5	F-007		1200		
9-24-20	1,2,3,4,5	F-008		1200		
9-24-20	1,2,3,4,5	F-009		600		
9-28-20	1,2,3,4,5	F-001		6500		
9-28-20	1,2,3,4,5	F-002		7500	6100	L
9-28-20	1,2,3,4,5	F-007		1200		
9-28-20	1,2,3,4,5	F-008		1200		
9-28-20	1,2,3,4,5	F-009		600		
9-29-20	1,2,3,4,5	F-001		7300		
9-29-20	1,2,3,4,5	F-002		1400		
9-29-20	1,2,3,4,5	F-007		1200		
9-29-20	1,2,3,4,5	F-008		1200		
9-29-20	1,2,3,4,5	F-009		600		
9-30-20	1,2,3,4,5	F-001		9100		



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

October 14, 2020

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-02-10008268-21B

Dear Ms. Nielsen:

**C-746-U SOLID WASTE LANDFILL THIRD 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 third 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 black ink that reads "Jennifer Woodard".

Jennifer Woodard
Paducah Site Lead
Portsmouth/Paducah Project Office

Enclosure:

C-746-U Solid Waste Landfill Third 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
dave.dollins@pppo.gov, PPPO
david.ruckstuhl@pad.pppo.gov, FRNP
dennis.greene@pad.pppo.gov, FRNP
frnpcorrespondence@pad.pppo.gov
gary.hines@pad.pppo.gov, FRNP
james.miller@pad.pppo.gov, FRNP
jennifer.woodard@pppo.gov, PPPO
jerry.arnzen@pad.pppo.gov, FRNP
joel.bradburne@pppo.gov, PPPO
kelly.layne@pad.pppo.gov, FRNP
leo.williamson@ky.gov, KDEP
lisa.crabtree@pad.pppo.gov, FRNP
myrna.redfield@pad.pppo.gov, FRNP
pad.rmc@pad.pppo.gov
robert.edwards@pppo.gov, PPPO
tammy.smith@pad.pppo.gov, FRNP
teresa.osborne@ky.gov, KDEP
tracey.duncan@pppo.gov, PPPO

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-
 Paducah Gaseous Diffusion Plant

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, and September

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 (July)	0.00	137.04	0.00	0.00
Paducah Gaseous Diffusion Plant, McCracken County, Kentucky (August)	0.00	89.37	0.00	0.00
Paducah Gaseous Diffusion Plant, McCracken County, Kentucky (September)	0.00	265.20	0.00	0.00
Total for this page	0.00	491.61	0.00	0.00
Grand Total of all pages	0.00	491.61	0.00	0.00

*Grand Total of Municipal, Industrial, and Special from all pages 491.61

*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: 10/14/2020

Signature: *Jennifer Woodard*

Phone Number: (270) 441-6800

Name - Please Print: Jennifer Woodard

Date: 10/14/2020

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).