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By Terri.Drake at 11:15 am, Aug 25, 2026

Department of Energy

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August 24, 2026

Ms. Cammie Paul
Division of Waste Management
Kentucky Department for Environmental Protection
300 Sower Boulevard, 2nd Floor
Frankfort, Kentucky 40601

PPPO-02-10038117-26

Mr. Todd Hendricks
Division of Waste Management
Kentucky Department for Environmental Protection
300 Sower Boulevard, 2nd Floor
Frankfort, Kentucky 40601

Dear Ms. Paul and Mr. Hendricks:

C-746-U CONTAINED LANDFILL SECOND QUARTER CALENDAR YEAR 2026 (APRIL–JUNE) COMPLIANCE MONITORING REPORT, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, FRNP-RPT-0413/V2, PERMIT NUMBER SW07300014, SW07300015, SW07300045, AGENCY INTEREST ID NO. 3059

The subject report for the second quarter calendar year (CY) 2026 has been uploaded to the Kentucky eForms portal via the Kentucky Online Gateway. Other recipients outside the Solid Waste Branch are receiving this document via email distribution (see distribution list). This report is required in accordance with Permit Condition ACTV0006, Special Condition Number 3, of Solid Waste Landfill Permit Number SW07300014, SW07300015, SW07300045 (Permit). This report includes groundwater analytical data, a validation summary, groundwater flow rate and direction determination, figures depicting well locations, and methane monitoring results.

The statistical analyses on the second quarter CY 2026 monitoring well data collected from the C-746-U Landfill were performed in accordance with Monitoring Condition GSTR0001, Standard Requirement 3, using the U.S. Environmental Protection Agency guidance document, *Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Interim Final Guidance* (1989).

A statistically significant difference was indicated for technetium-99 in MW361 and MW364. These statistical differences were further evaluated by Mann-Kendall trend analysis that indicated no trends and are considered Type 1 Exceedances—Not attributable to the C-746-U Contained Landfill. This report also serves as the statistical exceedance notification for the second quarter CY 2026, in accordance with Monitoring Condition GSTR0001, Standard Requirement 5, of the Permit.

If you have any questions or require additional information, please contact Scott McIntyre at (270) 556-6025.

Sincerely,

APRIL LADD Digitally signed by APRIL LADD
Date: 2026.08.24 16:12:57 -05'00'

April Ladd
Acting Deputy Manager
Portsmouth/Paducah Project Office

Enclosure:
C-746-U Contained Landfill Second Quarter Calendar Year 2026 (April–June) Compliance Monitoring Report, Paducah Gaseous Diffusion Plant, Paducah, Kentucky, FRNP-RPT-0413/V2

cc w/enclosure:
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