



August 26, 2025  
761-GM-25-070

**CERTIFIED MAIL**

7019 1640 0000 2365 6181

ATTN: Division of Surface Water  
Mr. Marco Deshaies  
Ohio Environmental Protection Agency  
Southeast District Office  
2195 Front Street  
Logan, Ohio 43138-9031

**Second Quarter Calendar Year 2025 Radiological Discharge Monitoring Report for the American Centrifuge Program at the Portsmouth Gaseous Diffusion Plant**

Dear Mr. Deshaies:

Please find enclosed the radiological discharge monitoring report for the second quarter of calendar year 2025 for the American Centrifuge Program at the Portsmouth Gaseous Diffusion Plant. Sample results are summarized for effluent monitoring conducted at external National Pollutant Discharge Elimination System permitted outfalls. This report is submitted in accordance with Part II.J of Ohio Environmental Protection Agency Permit No. 01S00023\*ED, issued to American Centrifuge Operating, LLC.

If you have any questions regarding this matter, please contact Jessica Stalnaker at (740) 897-3149.

*I certify under the penalty of law that I have personally examined and am familiar with the information submitted and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.*

Sincerely,

A handwritten signature in black ink, appearing to read "Matt Snider". The signature is fluid and cursive, written over a light blue horizontal line.

Matt Snider  
Enrichment Operations Plant Manager

Enclosure: As Stated

cc: W. McCaughey, DOE - NE

American Centrifuge Operating, LLC  
3930 U.S. Route 23 South - P.O. Box 628  
Piketon, OH 45661

RECEIVED

OCT 03 2025

Ohio Environmental  
Protection Agency  
Southeast District

Mr. Marco Deshaies  
August 26, 2025  
761-GM-25-070, Page 2

Distribution:

bcc: N. Carter, DOE, NE-ORSO1  
K. Davis, BGS  
K. Fitch, Piketon ACO  
S. Howie, Piketon ACO  
R. Purtee, FBP  
M. Reim, DOE-NE  
M. Snider, Piketon ACO  
J. Stalnaker, Piketon ACO  
A. Wright, Piketon ACO  
ETS.Support@lex.doe.gov

**Information Contained Within  
Does Not Contain  
Export Controlled Information**

Reviewing

Official: Lori Hawk / ACO

Date: 08/26/2025

**Enclosure 1 of 761-GM-25-070**

**Radiological Discharge Monitoring Report for the American Centrifuge Program**

**Information Contained Within  
Does Not Contain  
Export Controlled Information**

Reviewing

Official: Lori Hawk / ACO

Date: 08/26/2025

**American Centrifuge Operating, LLC (ACO)**  
**Portsmouth Gaseous Diffusion Plant, Piketon, Ohio**  
**Outfall 012 / X-2230M Southwest Holding Pond**

**Concentrations**

	Alpha pCi/L	Beta pCi/L	Tc pCi/L	U ug/L
4/07/2025	0.00	5.13	0.00	0.813
4/14/2025	0.00	0.00	0.00	1.11
4/21/2025	0.00	1.58	0.00	1.35
4/28/2025	3.11	5.83	0.00	1.63
5/05/2025	3.55	3.88	0.00	1.51
5/12/2025	0.00	3.39	0.00	1.11
5/19/2025	2.45	8.18	0.00	1.10
5/27/2025	0.00	0.00	0.00	1.44
6/02/2025	0.00	4.76	0.00	1.18
6/09/2025	0.00	4.90	0.00	0.928
6/16/2025	0.00	5.73	0.00	1.22
6/23/2025	0.00	0.00	5.15	1.15
6/30/2025	1.86	2.95	0.00	1.40

Transuranics	Am 241 (pCi/L)	Np 237 (pCi/L)	Pu 238 (pCi/L)	Pu 239+240 (pCi/L)
6/2/2025	0.000	0.000	0.000	0.000

**American Centrifuge Operating, LLC (ACO)**  
**Portsmouth Gaseous Diffusion Plant, Piketon, Ohio**  
**Outfall 013 / X-2230N West Holding Pond**

**Concentrations**

	Alpha pCi/L	Beta pCi/L	Tc pCi/L	U ug/L
4/07/2025	0.00	0.00	0.00	0.769
4/14/2025	0.00	6.86	0.00	1.28
4/21/2025	0.00	0.00	0.00	1.27
4/28/2025	3.90	3.78	0.00	1.59
5/05/2025	0.00	0.00	0.00	0.840
5/12/2025	0.00	0.00	0.00	0.901
5/19/2025	3.68	0.00	0.00	1.17
5/27/2025	0.00	0.00	0.00	1.33
6/02/2025	0.00	3.63	0.00	0.675
6/09/2025	0.00	6.67	0.00	0.806
6/16/2025	3.17	4.46	0.00	0.643
6/23/2025	0.00	3.37	4.27	0.659
6/30/2025	0.00	4.31	0.00	0.693

Transuranics	Am 241 (pCi/L)	Np 237 (pCi/L)	Pu 238 (pCi/L)	Pu 239+240 (pCi/L)
6/2/2025	0.000	0.000	0.000	0.000