

August 25, 2011

Mr. Steven A. Toelle  
Director, Regulatory Affairs  
United States Enrichment Corporation  
2 Democracy Center  
6903 Rockledge Drive  
Bethesda, MD 20817

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING NOTIFICATION  
OF THE UNITED STATES ENRICHMENT CORPORATION'S INTENT TO  
TERMINATE PORTSMOUTH GASEOUS DIFFUSION PLANT'S OPERATIONS  
OPERATIONS AND OTHER ACTIVITIES AUTHORIZED UNDER THE  
CERTIFICATE OF COMPLIANCE (TAC NO. L32771)

Dear Mr. Toelle:

The U.S. Nuclear Regulatory Commission (NRC) staff has reviewed the United States Enrichment Corporation's (USEC) June 28, 2011 submittal and its supplement dated July 25, 2011 regarding the proposed termination of operations under the Certificate at the Portsmouth Gaseous Diffusion Plant (PORTS) (Agencywide Documents Access and Management System [ADAMS] Accession Nos. ML111940542 and ML111750168). The staff has identified that additional information is needed before a final decision can be taken on the submittals.

Your response to the request for additional information, specified in the enclosure, should be provided to NRC within 10 business days from the date of this letter. This timeframe has been agreed upon between the NRC staff and USEC representatives during the telephone conference held August 16, 2011.

In accordance with Title 10 of the *Code of Federal Regulations*, Section 2.390 of the NRC's Rules of Practice, a copy of this letter will be available electronically from the Publicly Available Records System component of NRC ADAMS. ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

If there are any questions regarding this action, please contact me at (301) 492-3221 or via e-mail at [kevin.mattern@nrc.gov](mailto:kevin.mattern@nrc.gov).

Sincerely,

**/RA/**

Kevin S. Mattern, Project Manager  
Conversion, Deconversion  
and Enrichment Branch  
Fuel Facility Licensing Directorate  
Division of Fuel Cycle Safety  
and Safeguards  
Office of Nuclear Material Safety  
and Safeguards

Enclosure:  
Request for Additional Information

Docket Nos. 70-7002  
Certificate No. GDP-2

cc w/enclosure:  
Mr. Al Stone, Manager  
Nuclear Regulatory Affairs  
Portsmouth Gaseous Diffusion Plant  
P.O. 628, MS 1212  
Piketon, OH 45661

If there are any questions regarding this action, please contact me at (301) 492-3221 or via e-mail at [kevin.mattern@nrc.gov](mailto:kevin.mattern@nrc.gov).

Sincerely,

**/RA/**

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**ML112360190**

OFFICE	FCSS/CDEB	FCSS/FMB	FCSS/CDEB
NAME	KMattern	LAllen	THiltz
DATE	8/24/11	8/25/11	8/25/11

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## REQUEST FOR ADDITIONAL INFORMATION

### Regarding June 28, 2011, and July 25, 2011, Submittals - Notification of the United States Enrichment Corporation's Intent to Terminate Portsmouth Gaseous Diffusion Plant's Operations and Other Activities Authorized Under the Certificate of Compliance

#### United States Enrichment Corporation

#### Portsmouth Gaseous Diffusion Plant

#### RAI 1

Section 76.35(m) requires that the United States Enrichment Corporation (USEC) provide a description of the program "for processing, management, and disposal of mixed and radioactive wastes and depleted uranium generated by operations." The last Gaseous Diffusion Plant's Decommissioning Funding Plan (DFP) received by the U.S. Nuclear Regulatory Commission from USEC, prior to the July 25, 2011 submittal, was dated December 29, 2010. In this document, USEC identified various waste streams in need of disposal. These wastes were described in general terms, identifying the total volume for each type of waste (i.e., low-level radioactive waste [LLRW], mixed waste, depleted uranium). According to USEC's July 25, 2011, submission, the U.S. Department of Energy (DOE) has accepted possession and ownership of "all" regulated materials and radioactive waste at the PORTS facility. However, the Statement of Work for the Reverse Work Authorization between DOE and USEC, in the June 28, 2011, submittal identifies the specific source; special nuclear; and/or byproduct material covered by the Reverse Work Authorization. These "items" are individually inventoried and identified by an "RFD Number." The items are presented in a table format that spans over 20 pages.

Provide additional detail regarding PORTS's waste streams addressed in the CY 2010 DFP to satisfy criteria in Title 10 of the *Code of Federal Regulations* 76.35(m). Provide written confirmation that "all" wastes identified in the previous DFP are covered by the Reverse Work Authorization dated June 27, 2011. Specifically, provide confirmation in writing that the following wastes from the December 29, 2010, DFP for PORTS are covered in their entirety by the Reverse Work Authorization or other agreement:

<u>Section of the December 29, 2010 DFP</u>	<u>Amount/Type of Waste</u>
3.1.1	18,000 ft <sup>3</sup> LLRW
3.1.2	300 ft <sup>3</sup> mixed waste
3.1.3	100 ft <sup>3</sup> mixed waste
3.1.4	13,300 ft <sup>3</sup> LLRW
3.2	399,000 kgU depleted uranium

Enclosure