



August 11, 2010  
GDP 10-0033

Ms. Cathy Haney  
Director, Office of Nuclear Material Safety and Safeguards  
Attention: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

**Paducah Gaseous Diffusion Plant (PGDP)  
Docket No. 70-7001, Certificate No. GDP-1  
Transmittal of Revision 123 to Certification Application USEC-01**

Dear Ms. Haney:

In accordance with 10 CFR 76, the United States Enrichment Corporation (USEC) hereby submits Revision 123 to the USEC-01 certification documents for the Paducah Gaseous Diffusion Plant. The annual update is required by 10 CFR 76.68(b). Revision 123 includes the following changes:

- Revision 123 incorporates changes to the Safety Analysis Report (SAR) that have been reviewed in accordance with 10 CFR 76 and have been determined to not require prior NRC approval. Revision 123 is effective August 10, 2010.
- Revision 123 incorporates changes to the Emergency Plan, Fundamental Nuclear Materials Control Plan (FNMCP), and Gaseous Diffusion Plant Security Program (GDPSP). These changes have been reviewed in accordance with 10 CFR 76 and have been determined to not require prior NRC approval. Revision 123 is effective August 10, 2010.

Revision bars are provided in the right-hand margin to identify changes.

Revision 123 to the FNMCP and GDPSP contains certain trade secrets and commercial and financial information exempt from public disclosure pursuant to Section 1314 of the Atomic Energy Act of 1954 (AEA), as amended, and 10 CFR 2.390 and 9.17(a)(4). In accordance with 10 CFR 76.33(e) and 2.390(b), the Revision 123 changes to these plans are being submitted under separate cover (USEC letter GDP 10-0034).

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Should you have any questions regarding this matter, please contact me at (301) 564-3250. There are no new commitments contained in this submittal.

Sincerely,

S. A. Teller

Steven A. Töelle  
Director, Regulatory Affairs

- Enclosures: 1. Oath and Affirmation  
2. USEC-01, Application for United States Nuclear Regulatory Commission Certification, Paducah Gaseous Diffusion Plant, Revision 123

cc: R. DeVault (DOE)  
D. Hartland, NRC Region II  
J. Henson, NRC Region II  
T. Liu, NRC Project Manager  
NRC Senior Resident Inspector – PGDP

USEC-01, Copy Number 641  
(w/o)  
USEC-01, Copy Numbers 442, 664  
2 copies  
USEC-01, Copy Number 697

Enclosure 1  
GDP 10-0033

Oath and Affirmation

## OATH AND AFFIRMATION

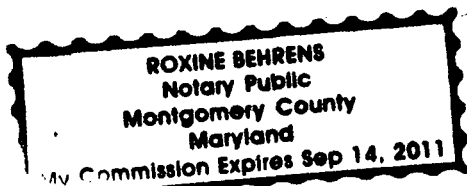
I, Steven A. Toelle, swear and affirm that I am the Director, Regulatory Affairs of the United States Enrichment Corporation (USEC), that I am authorized by USEC to sign and file with the Nuclear Regulatory Commission Revision 123 to USEC-01, Application for United States Nuclear Regulatory Commission Certification, Paducah Gaseous Diffusion Plant, as described in USEC Letter GDP 10-0033, that I am familiar with the contents thereof, and that the statements made and matters set forth therein are true and correct to the best of my knowledge, information, and belief.

S. A. Toelle

Steven A. Toelle

On this 11<sup>th</sup> day of August, 2010, the person signing above personally appeared before me, is known by me to be the person whose name is subscribed to within the instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof I hereunto set my hand and official seal.



Roxine Behrens  
Roxine Behrens, Notary Public  
State of Maryland, Montgomery County  
My commission expires September 14, 2011