



March 28, 2006
GDP 06-0017

Mr. Jack R. Strosnider
Director, Office of Nuclear Material Safety and Safeguards
Attention: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

**Portsmouth Gaseous Diffusion Plant (PORTS)
Docket No. 70-7002; Certificate No. GDP-2
Transmittal of Revision 81 to Portsmouth Certification Application**

Dear Mr. Strosnider:

In accordance with 10 CFR 76, the United States Enrichment Corporation (USEC) hereby submits six (6) copies of Revision 81 (March 28, 2006) to USEC-02, Application for United States Nuclear Regulatory Commission Certification, Portsmouth Gaseous Diffusion Plant.

Revision 81 incorporates the following:

- Changes to the Technical Safety Requirements that have been previously submitted for your review in accordance with 10 CFR 76.45 and were approved as Amendment 4 to the Certificate of Compliance, GDP-2, in your letter dated March 8, 2006 (TAC No. L52572).
- Changes to the Safety Analysis Report (SAR), Fundamental Nuclear Materials Control Plan (FNMCP), and the Emergency Plan that have been reviewed in accordance with 10 CFR 76.68 and have been determined not to require prior NRC approval.

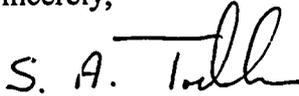
Revision 81 is effective March 28, 2006 and revision bars are provided in the right-hand margin to identify changes.

The Revision 81 changes to the Fundamental Nuclear Materials Control Plan contain 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 81 changes to these plans are being submitted under separate cover (USEC Letter GDP 06-0018).

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Should you have any questions regarding this matter, please contact Mark Smith at (301) 564-3244.
There are no new commitments contained in this submittal.

Sincerely,



Steven A. Toelle
Director, Regulatory Affairs

Reference: Letter from Gary S. Janosko (NRC) to Mr. Russell Starkey (USEC), Amendment 4, Portsmouth Gaseous Diffusion Plant, Change to Technical Safety Requirement (TSR) 3.1.4 and Table 3.2.2-1 (TAC L52572) dated March 8, 2006.

- Enclosures:
1. Oath and Affirmation
 2. USEC-02, Application for United States Nuclear Regulatory Commission Certification, Portsmouth Gaseous Diffusion Plant, Revision 81, Copy Numbers 1 through 6

cc: G. Janosko, NRC HQ	(w/o)
J. Henson, NRC Region II	USEC-02, Copy Nos. 21, 172
M. Thomas, NRC Senior Resident Inspector, PGDP	USEC-02, Copy No. 22
D. Martin, NRC Project Manager	(w/o)
R. DeVault (DOE)	USEC-02, Copy Nos. 24 through 28

Enclosure 1
GDP 06-0017

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 81 (March 28, 2006) to the USEC Application for United States Nuclear Regulatory Commission Certification, Portsmouth Gaseous Diffusion Plant (USEC-02), as described in USEC Letter GDP 06-0017, 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

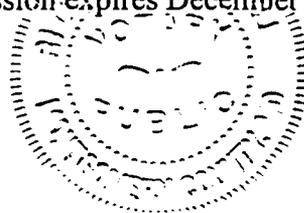
Steven A. Toelle

On this 28th day of March, 2006, 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.

Rita Peak-Campbell

Rita Peak-Campbell, Notary Public
State of Maryland, Montgomery County
My commission expires December 1, 2009



Enclosure 2
GDP 06-0017

USEC-02
Application for United States
Nuclear Regulatory Commission Certification
Portsmouth Gaseous Diffusion Plant, Revision 81.