



April 14, 2005
GDP 05-0018

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 2005 Annual Update to Certification Application**

Dear Mr. Strosnider:

In accordance with 10 CFR 76.68(b), the United States Enrichment Corporation (USEC) hereby submits six (6) copies of the 2005 Annual Update to the certification documents for the Portsmouth Gaseous Diffusion Plant. The 2005 Annual Update consists of the following documents:

Revision 78 (April 14, 2005) to USEC-02, Application for United States Nuclear Regulatory Commission Certification, Portsmouth Gaseous Diffusion Plant.

The 2005 Annual Update (Application Revision 78) includes the following:

- Changes to the Safety Analysis Report (SAR) to reflect plant changes implemented during the period of December 4, 2004 through April 1, 2005.
- Quality Assurance Plan (QAP), Emergency Plan (EP), and the Fundamental Nuclear Materials Control Plan (FNMCP) to reflect plant changes implemented during the period December 4, 2004 through April 1, 2005.

The above changes have been reviewed in accordance with 10 CFR 76.68 and have been determined not to require prior NRC approval. Revision bars are provided in the right-hand margin to identify changes. Revision 78 was implemented effective April 14, 2005.

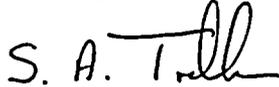
The Revision 78 changes to the FNMCP contain certain trade secrets and commercial and financial information exempt from public disclosure pursuant to Section 1314 of the Atomic Energy Act of 1954 (AEA), as amended, and 10 CFR 2.390 and 9.17(a)(4). In accordance with 10 CFR 76.33(e) and 2.390(b), the Revision 78 changes to these plans are being submitted under separate cover (USEC letter GDP 05-0019).

NUMSSO1

Mr. Jack R. Strosnider
April 14, 2005
GDP 05-0018, Page 2

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, Nuclear Regulatory Affairs

- Enclosures: 1. Oath and Affirmation
2. USEC-02, Application for United States Nuclear Regulatory Commission Certification, Portsmouth Gaseous Diffusion Plant, Revision 78, Copy Numbers 1 through 6.

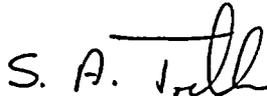
cc: G. Janosko, NRC HQ	(w/o)
J. Henson, NRC Region II	USEC-02, Copy Nos. 21, 172
B. Bartlett, NRC Senior Resident Inspector - PGDP	USEC-02, Copy Nos. 22
D. Martin, NRC Project Manager - PGDP	(w/o)
D. Hartland, NRC Region II	(w/o)
R. DeVault (DOE)	USEC-02, Copy Nos. 24 through 28

Enclosure 1
GDP 05-0018

Oath and Affirmation

OATH AND AFFIRMATION

I, Steven A. Toelle, swear and affirm that I am the Director, Nuclear 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 78 (April 14, 2005) to the USEC Application for United States Nuclear Regulatory Commission Certification, Portsmouth Gaseous Diffusion Plant (USEC-02), as described in USEC Letter GDP 05-0018, 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.



Steven A. Toelle

On this 14th day of April, 2005, 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.



Janet M. Boothe, Notary Public
State of Maryland, Howard County
My commission expires June 1, 2007

Enclosure 2 to
GDP 05-0018

USEC-02
Application for the United States
Nuclear Regulatory Commission Certification
Portsmouth Gaseous Diffusion Plant
Revision 78 (April 14, 2005)

NUCLEAR REGULATORY COMMISSION CERTIFICATION
 PORTSMOUTH GASEOUS DIFFUSION PLANT
 USEC-02

REMOVE/INSERT INSTRUCTIONS

REVISION 78
 Effective 04/14/05

<i>Remove Pages</i>	<i>Insert Pages</i>
Volume 1 (SAR)	
List of Effective Pages: i/ii, iii/iv, vii/viii, ix/x, xv/xvi	List of Effective Pages: i/ii, iii/iv, vii/viii, ix/x, xv/xvi
SAR Section 2.1: 2.1-1/2.1-2, 2.1-11/2.1-12, 2.1-17/2.1-18, 2.1-19b/2.1-20, 2.1-20a/2.1-20b	SAR Section 2.1: 2.1-1/2.1-2, 2.1-11/2.1-12, 2.1-17/2.1-18, 2.1-19b/2.1-20, 2.1-20a/2.1-20b
SAR Section 2.2: 2.2-1/2.2-2	SAR Section 2.2: 2.2-1/2.2-2
SAR Section 3.2: 3.2-5/3.2-5a, 3.2-17/3.2-18	SAR Section 3.2: 3.2-5/3.2-5a, 3.2-17/3.2-18
SAR Section 3.4: 3.4-11/3.4-12, 3.4-29/3.4-30	SAR Section 3.4: 3.4-11/3.4-11a, 3.4-11b/3.4-12, 3.4-29/3.4-30
SAR Section 3.6: 3.6-11/3.6-12	SAR Section 3.6: 3.6-11/3.6-12
Volume 2 (SAR)	
SAR Section 5.1: 5.1-5/5.1-6, 5.1-33/5.1-34	SAR Section 5.1: 5.1-5/5.1-6, 5.1-33/5.1-34

NUCLEAR REGULATORY COMMISSION CERTIFICATION
 PORTSMOUTH GASEOUS DIFFUSION PLANT
 USEC-02

REMOVE/INSERT INSTRUCTIONS

REVISION 78
 Effective 04/14/05

<i>Remove Pages</i>	<i>Insert Pages</i>
Volume 3 (Programs & Plans)	
Quality Assurance Plan (QAP)	
List of Effective Pages: ULOEP-1/ULOEP-2, i/ii	List of Effective Pages: i/ii
13/14, 39/40	13/14, 39/40
Emergency Plan	
List of Effective Pages: i/ii	List of Effective Pages: i/ii
Section 1: 1-8a/1-8b	Section 1: 1-8a/1-8b
Fundamental Nuclear Materials Control Plan (FNMCP)	
List of Effective Pages: i/ii	List of Effective Pages: i/ii
Section 5: 5-5/5-6, 5-8a/5-8b	Section 5: 5-5/5-6, 5-8a/5-8b

LIST OF EFFECTIVE PAGES

<u>Page</u>	<u>PGDP Revision</u>	<u>PORTS Revision</u>	<u>Page</u>	<u>PGDP Revision</u>	<u>PORTS Revision</u>
i	95	78	35	51	43
ii	90	74	36	49	42
iii	49	42	37	49	42
iv	49	42	38	51	43
v	49	42	39	95	78
vi	90	74	40	49	42
1	90	74	41	56	48
2	49	42	42	56	48
3	56	48	43	56	48
4	49	42	44	56	48
5	75	61	45	49	42
6	49	42	46	75	61
7	49	42	47	75	61
8	49	42	48	59	53
9	49	42	A-1	49	42
10	49	42	A-2	81	65
11	56	48	A-3	49	42
12	49	42	A-4	49	42
13	79	64	A-5	49	42
14	95	78	A-6	49	42
15	51	43	A-7	49	42
16	49	42	A-8	49	42
17	53	45	A-9	49	42
18	49	42	A-10	49	42
19	53	45	A-11	51	43
20	49	42	A-12	56	48
21	49	42	A-13	49	42
22	49	42	A-14	49	42
23	49	42	A-15	51	43
24	51	43	A-16	49	42
25	51	43	A-17	49	42
26	49	42	A-18	51	43
27	51	43	A-19	49	42
28	49	42	A-20	51	43
29	49	42	A-21	56	48
30	49	42	A-22	56	48
31	49	42	A-23	56	48
32	49	42	A-24	49	42
33	49	42	A-25	49	42
34	51	43	A-26	49	42

LIST OF EFFECTIVE PAGES (Continued)

<u>Page</u>	<u>PGDP Revision</u>	<u>PORTS Revision</u>
B-1	49	42
B-2	49	42
C-1	49	42
C-2	49	42
C-3	81	65
C-4	81	65
D-1	90	74
D-2	90	74
D-3	90	74
D-4	90	74
D-5	90	74
D-6	90	74
D-7	90	74
D-8	90	74
D-9	90	74
D-10	90	74
D-11	90	74
D-12	90	74
D-13	90	74
D-14	90	74
D-15	90	74
D-16	90	74
D-17	90	74
D-18	90	74
D-19	90	74
D-20	90	74
D-21	90	74
D-22	90	74

2.5.2 Responsibilities

The Training Manager is responsible for the system of preparation, review, approval and use of procedures and instructions in accordance with the requirements of this section of this QAP. (PORTS)

The Production Support Manager is responsible for the system of preparation, review, approval and use of procedures and instructions in accordance with the requirements of this section of this QAP. (PGDP)

The Engineering Manager is responsible for the system of preparation, review, and approval of drawings in accordance with the requirements of this section and Section 2.3 of this QAP.

Organization/Group Managers are responsible for developing and approving procedures which control functions or activities within their area of responsibility, as defined within this QAP.

All personnel are required to use and adhere to the requirements of applicable procedures, instructions, and drawings for activities within the scope of this QAP.

2.5.3 Requirements

Procedures are established to ensure the following:

1. Q activities affecting safety or quality are prescribed and performed in accordance with documented work instructions, procedures, or drawings of a type appropriate to the circumstances as described in governing procedures. These documents include or reference appropriate quantitative or qualitative acceptance criteria for determining that prescribed activities are satisfactorily performed.
2. Activities that require skills normally possessed by qualified personnel do not require detailed step-by-step delineation in a procedure but are performed in accordance with work instructions, procedures, or drawings of a type appropriate to the circumstances for the control of maintenance and modification work. The types of activities otherwise known as "skill-of-the-craft" that do not require detailed step-by-step procedures include but are not limited to: gasket replacement; trouble shooting electrical circuits; changing chart or drive speed gears or slide wires on recorders; seal replacement on small pumps; torquing of flanged covers, pipe connections, etc.; lapping and packing of manual-operated valves; erection of nonpermanent structures such as scaffolding; and rigging of chains, hoists, and slings.
3. Written procedures shall be prepared, reviewed, approved, implemented, and maintained in accordance with the Technical Safety Requirements (TSRs) and SAR Section 6.11.

2.6 DOCUMENT CONTROL

2.6.1 General

A document control system is established for Q items and related activities and services within the scope of the QAP as described in Section 2.2. The document control system is in accordance with ASME NQA-1, 1989, Basic Requirement 6, and Supplement 6S-1. This system ensures that documents defining the performance of quality-related activities are controlled so only current and correct information is available at the location where the activity is performed prior to commencing the work.

2.6.2 Responsibilities

The Plant Services Manager (PORTS)/Production Support Manager (PGDP) has the overall responsibility for the development and implementation of the document control system.

Organization Managers are responsible for (1) identifying documents to be included in the controlled document system; (2) ensuring instructions, procedures, drawings, and other specified documents are reviewed for adequacy and approved for release; (3) complying with document distribution requirements; and (4) ensuring these documents are maintained and used by personnel performing the prescribed activity.

2.6.3 Requirements

Procedures for the control of document preparation, review, approval, and issuance are established to ensure the following:

1. Identification of documents to be controlled and their specified distribution.
2. Identification of assignments of responsibility for preparing, reviewing, approving, and issuing documents.
3. Review of documents for adequacy, completeness, and correctness prior to approval and issuance.
4. Drawings depicting as-built conditions, including changes thereto, and related documentation are prepared in a timely manner and accurately reflect the actual design.
5. Document controls used to specify the current revision and any changes to instructions, procedures, specifications, drawings, and procurement documents are identified. This document control system has provisions for updating and for distribution to predetermined personnel.

2.17.2 Responsibilities

The Plant Services Manager (PORTS)/Production Support Manager (PGDP) is responsible for the development, maintenance, and implementation of the records control system consistent with the requirements set forth in this section of the QAP.

Organization/Group Managers are responsible for (1) identifying quality assurance records initiated by their organization/group including those received from suppliers of items and services; (2) controlling the records within their jurisdiction; and (3) transferring records, for which their group previously had record copy responsibility, to the Plant Services Manager (PORTS)/Production Support Manager (PGDP) for retention consistent with governing procedures meeting the requirements established in this section of the QAP.

2.17.3 Requirements

Procedures for the identification and control of quality assurance records are established to ensure the following:

1. Applicable design specifications, procurement documents, test procedures, operational procedures or other documents specify the records to be generated, supplied, or maintained. These documents are designated to become records and are legible, accurate, and complete;
2. Methods of authentication or validation of documents as records are identified;
3. Documents shall be considered valid records only if stamped, initialed, or signed and dated by authorized personnel or otherwise authenticated;
4. Establishment of a records indexing and classification system, including record retention times, and the location of the record within the record system, which meets the requirements of the Technical Safety Requirements document, the provisions of 10 CFR Part 76, and other regulatory requirements;
5. Methods are established to permit identification between the record and the item(s) or activity(ies) to which it applies;
6. Corrections to records are approved by the originating organization and the corrections include the date and the identification of the individual authorized to issue the correction;
7. Establishment of a record receipt control system which meets the requirements of Supplement 17S-1, Section 3 of ASME NQA-1, 1989;
8. Requirements for records storage, preservation, and safekeeping satisfy the requirements of Supplement 17S-1, Sections 4.1, 4.2, and 4.3 of ASME NQA-1, 1989;

9. Quality Assurance records are stored in facilities which meet the requirements of Supplement 17S-1, Section 4.4 of ASME NQA-1, 1989, except as noted in Appendix C of this QAP;
10. Record requirements for procured services or non-commercial items are identified in applicable procurement documents. These documents contain provisions for the following:
 - a. Assuring that supplier methods for the collection, storage, and maintenance of records is commensurate with the above requirements,
 - b. Identification of required records and the required retention periods,
 - c. A record index which includes sufficient identifying information for record retrieval,
 - d. A record submittal plan,
 - e. The availability, accessibility, and if applicable, the disposition criteria of records retained by the supplier, and
 - f. The accessibility of the supplier's records prior to final transfer to the purchaser and the method of transmittal.
11. The storage system provides for retrieval of information in accordance with planned retrieval times based upon the record type. A list is maintained designating those personnel who have access to the files within the storage system;
12. Single copy records shall only be allowed out of permanent storage if they cannot be copied and then only for a maximum of 90 days.

2.18 AUDITS

2.18.1 General

An audit system is established for Q items and activities and services within the scope of this QAP as described in Section 2.2. The audit system is in accordance with Basic Requirement 18 and Supplement 18S-1 of NQA-1, 1989. This system establishes planned and periodic audits to verify the compliance and the effectiveness of this QAP in meeting quality requirements. Audit personnel have sufficient authority and organizational freedom to make the audit process meaningful and effective. Audits are executed in accordance with established procedures and are performed by personnel having no direct responsibilities in the areas being audited.