

March 17, 2009

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

SUBJECT: APPROVAL OF CERTIFICATE AMENDMENT REQUEST GDP 08-0026
REVISION OF CRITICALITY ACCIDENT ALARM SYSTEM CONTROLS AT THE
PADUCAH GASEOUS DIFFUSION PLANT (TAC L32478)

Dear Mr. Toelle:

By letter dated November 21, 2008, (Agencywide Documents Access and Management System (ADAMS) Accession No. ML083300421), the United States Enrichment Corporation submitted a certificate amendment request (CAR), requesting a modification to the Certificate of Compliance for the Paducah Gaseous Diffusion Plant. This CAR proposes changes to Technical Safety Requirements (TSRs) 2.1.4.5b, 2.2.4.3b, 2.3.4.7b, and 2.4.4.2b and would also increase the surveillance period for those TSRs and for TSR 2.6.4.1b.

In reaching our conclusion, the staff reviewed your initial November 21, 2008, submission. As part of that review, we submitted to you on December 15, 2008, a request for additional information. We received your response to that request on January 14, 2009. After a review of all the information submitted, the staff finds that extension of the criticality accident alarm system controls exclusion, as described in the proposed changes to the TSRs, continues to provide reasonable assurance of adequate protection against the consequences of accidental criticality.

Based on our review as documented in the Compliance Evaluation Report (Enclosure 1), industry practice as codified in the American National Standards Institute/American Nuclear Society standard 8.3-1997 ("Criticality Accident Alarm System [CAAS]"), and the operating history of your facility, the staff considers the extension to annual surveillance of the CAAS adequate to ensure continued reliability and safe operation of the facility and therefore approves the extension.

Per your request received by e-mail dated January 16, 2009 (ADAMS ML090360261), the effective date will be 60 days from the date of this letter. Your amended certificate is attached to this letter as Enclosure 2.

If you have any questions regarding this action, please contact the Project Manager, Michael G. Raddatz, by telephone at (301) 492-3108, or by e-mail at Michael.Raddatz@nrc.gov.

S. Toelle

In accordance with Title 10, Section 2.390, "Public Inspections, Exemptions, Requests for Withholding," of the *Code of Federal Regulations* (10 CFR 2.390), a copy of this letter will be available electronically for public inspection in the U.S. Nuclear Regulatory Commission (NRC) Public Document Room or from the Publicly Available Records component of ADAMS. ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

/RA/

Marissa Bailey, Deputy Director
Special Projects and Technical
Support Directorate
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards

Docket No.: 70-7001
Certificate No.: GDP-1

Enclosures:

1. Compliance Evaluation Report
2. Certificate of Compliance GDP-1

cc: Randall M. DeVault
Department of Energy—Oak Ridge
200 Administration Road
Mailstop: G114
Oak Ridge, TN 37832

In accordance with 10 CFR 2.390 of the U.S. Nuclear Regulatory Commission’s (NRC’s) “Rules of Practice,” a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of NRC’s document system Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

/RA/

Marissa Bailey, Deputy Director
Special Projects and Technical
Support Directorate
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards

Docket No.: 70-7001
Certificate No.: GDP-1

Enclosures:

- 1. Compliance Evaluation Report
- 2. Certificate of Compliance GDP-1

cc: Randall M. DeVault
Department of Energy – Oak Ridge
200 Administration Road
Mailstop: G114
Oak Ridge, TN 37832

DISTRIBUTION:

NMSS r/f FCSS r/f JPelchat, RII Jhenson, RII Tliu, AFCB

ML090370251

OFC	UEB	AFCB	QTE	MODB	OGC	AFCB	SPTSD
NAME	CTripp	MRaddatz		CGibbs	JHull	THiltz	MBailey
DATE	02/17/09	02/17/09	02/05/09	02/10/09	03/10/09	03/11/09	03/17/09

OFFICIAL RECORD COPY