

March 18, 2014

Mr. Steve Toelle, Director
Regulatory Affairs
United States Enrichment Corporation
6903 Rockledge Drive
Bethesda, MD 20817-1818

SUBJECT: REVISION OF UNITED STATES ENRICHMENT CORPORATION'S CHANGES
TO THE FUNDAMENTAL NUCLEAR MATERIAL CONTROL PLAN FOR THE
PADUCAH GASEOUS DIFFUSION PLANT (TECHNICAL ASSIGNMENT
CONTROL NUMBER L36022)

Dear Mr. Toelle:

This refers to your letter dated September 24, 2013 (GDP 13-0017), providing the United States Enrichment Corporation's (USEC's) Revision 140 to the USEC-01, Certification Application for the Paducah Gaseous Diffusion Plant. Enclosure 1 of GDP 13-0017 provided a description of changes and revised pages of the Fundamental Nuclear Material Control Plan (FNMCP).

The U.S. Nuclear Regulatory Commission (NRC) staff has completed its review of the changes to the FNMCP. Based on its review of the information provided, the NRC staff has concluded that the changes are administrative in nature and do not change the scope or intent of the chapters listed or the FNMCP as a whole. Therefore, the NRC staff concludes that the changes meet the requirements of Title 10 of the *Code of Federal Regulations* (10 CFR) 70.32(c)(1)(iii) in that there is no decrease in the effectiveness of the Material Control and Accounting (MC&A) program implemented pursuant to 10 CFR 74.33, and that the revised FNMCP continues to meet applicable MC&A requirements stipulated in 10 CFR Part 74 and Subpart E of 10 CFR Part 76. Therefore, the changes are approved. The enclosed safeguards evaluation report documents the NRC staff's review of your submittal.

This completes our efforts on Technical Assignment Control Number L36022.

In accordance with 10 CFR 2.390(d) of the NRC "Rules of Practice," a copy of this letter, without the enclosure, will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records System component of NRC's Agencywide Documents Access and Management Systems (ADAMS). ADAMS is accessible from the NRC Website at <http://www.nrc.gov/reading-rm/adams.html> (The Public Electronic Reading Room).

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S. Toelle

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If you have any questions regarding this matter, please contact Mr. Osiris Siurano-Perez at (301) 287-9070, or e-mail at Osiris.Siurano-Perez@nrc.gov.

Sincerely,

/RA/

Thomas Grice, Acting Chief
Uranium Enrichment Branch
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards

Enclosure:
Safeguards Evaluation Report

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

cc: Mr. Vernon Shanks, USEC

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cc: Mr. Vernon Shanks, United States Enrichment Corporation

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