

April 23, 2014

Mr. Peter J. Miner, Director
Nuclear Safety and Safeguards
USEC Inc.
6903 Rockledge Dr.
Bethesda, MD 20817-1818

SUBJECT: REVIEW OF ANNUAL SUMMARY REPORT OF FACILITY CHANGES FOR
CALENDAR YEAR 2013 - AMERICAN CENTRIFUGE PLANT AND LEAD
CASCADE FACILITY (TECHNICAL ASSIGNMENT CONTROL NUMBER L34278)

Dear Mr. Miner:

We have performed a review of your "Annual Summary Report of Facility Changes" for calendar year (CY) 2013, dated January 23, 2014, (ACO 14-0006). Based on this review, we have determined that additional information is required on specific changes made during CY 2013 to verify that the requirements of Title 10 of the *Code of Federal Regulations* (10 CFR) 70.72(c) were met. The following titles identify the facility changes that we have selected to review in detail:

| | | |
|----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------|
| FCE 13-0012 PCE 13-0009 | Rev 0 | New Electrical Test Plans |
| FCE 13-0014 | Rev 0 | Corrected an Error in the Sole Items Relied on for Safety List |
| FCE 13-0069 | Rev 0 | New Test Plan TP-2901-0001, X-3001 Process Support Building Battery Room Hydrogen and Ventilation Monitoring Tests |
| FCE 13-0076 PCE 13-0038 | Rev 0 | New Test Plan TP-2201-0076, Train #3 Process Substation, Distribution Panel & Power Outlet Cabinet Electrical Test Plan |
| FCE 13-0099 | Rev 0 | Maximum Inventory of Alumina |
| FCE 13-0111 PCE 13-0049 | Rev 0 | Design Resolution for Standby Generator Harmonic Issues |
| FCE 13-0112 | Rev 0 | Corrections Regarding Electrical Power Description |
| FCE 13-0121 | Rev 0 | Revision to Procedure AC4-OP-013, Operation of the X-3001 Battery and DC Power System |

| | | |
|-------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FCE 13-0135 | Rev 0 | New Test Plan TP-2201-0083, Power Outage Testing, Centrifuge Response |
| FCE 13-0159 | Rev 0 | Revision to Procedure AC4-OP-063, Diesel Fuel Transfer Update to the Seismic Basis for the American Centrifuge Plant License Application and Integrated Safety Analysis |
| FCE 13-0194 | Rev 0 | |
| PCE 13-0073 | | |
| FCE 13-0297 | Rev 0 | New Test Plan TP-2201-0087, X-3001 and X-3012 Power Outage Testing, Cascade System Response |
| PCE 13-0108 | | |
| FCE 13-0331 | Rev 0 | Installation of Machine Cooling Water Shut off Valves at Purge and Evacuation Vacuum Pumps |
| PCE 13-0123 | | |
| FCE 13-0384 | Rev 0 | Install Emergency Lighting in the X-6000 |
| PCE 13-0152 | | |

For each change listed above, please provide the following:

- (1) the facility change package - which should detail the evaluation performed in accordance with 10 CFR 70.72(a);
- (2) any other explanation on how the individual requirements of 10 CFR 70.72(c) were satisfied for each change performed; and
- (3) all related revisions to the requested change.

This information should be provided within 30 days from the date of this letter.

In accordance with 10 CFR 2.390(d) 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 System component of NRC's document system (Agencywide Documents and Access 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).

If you have any questions, concerning this request for additional information, please contact me at (301) 287-9070, or via e-mail to Osiris.Siurano-Perez@nrc.gov.

Sincerely,

Osiris Siurano, Project Manager **/RA/**
Uranium Enrichment Branch
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards

Docket Nos. 70-7003, 70-7004
License Nos. SNM-7003, SNM-2011

cc: Vernon Shanks, American Centrifuge Operating, LLC
Kelly L. Coriell, American Centrifuge Operating, LLC

If you have any questions, concerning this request for additional information, please contact me at (301) 287-9070, or via e-mail to Osiris.Siurano-Perez@nrc.gov.

Sincerely,

Osiris Siurano, Project Manager
Uranium Enrichment Branch
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards

Docket Nos. 70-7003, 70-7004
License Nos. SNM-7003, SNM-2011

cc: Vernon Shanks, American Centrifuge Operating, LLC
Kelly L. Coriell, American Centrifuge Operating, LLC

DISTRIBUTION:

FCSS r/f JAndersen, FCSS MBailey, FCSS JDowns, FCSS JHickey, RII
LPitts, RII BSmith, NRR

ADAMS Accession No.ML14107A255

| | | | |
|---------------|---------------|--------------|---------------|
| OFFICE | NMSS/FCSS/UEB | NMSS/FCSS | NMSS/FCSS/UEB |
| NAME | OSiurano | TBrockington | TGrice |
| DATE | 04/18/2014 | 04/22/2014 | 04/23/2014 |

OFFICIAL RECORD COPY