

December 18, 2013

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

SUBJECT: DESCRIPTION OF CHANGES TO THE FUNDAMENTAL NUCLEAR MATERIAL CONTROL PLAN FOR THE AMERICAN CENTRIFUGE LEAD CASCADE FACILITY AND THE AMERICAN CENTRIFUGE PLANT AND CHANGED PAGES FOR THE FUNDAMENTAL NUCLEAR MATERIAL CONTROL PLAN APPENDIX A FOR THE AMERICAN CENTRIFUGE PLANT - TECHNICAL ASSIGNMENT CONTROL NUMBERS L34246 AND L34249

Dear Mr. Miner:

This is in response to your June 5, 2013, letters submitting to the U.S. Nuclear Regulatory Commission (NRC) a description of changes to the Fundamental Nuclear Material Control Plan (FNMCP) for the American Centrifuge Lead Cascade Facility and American Centrifuge Plant, (letter ACO 13-0032), and Changed Pages for the FNMCP Appendix A for the ACP (letter ACO 13-0033) pursuant to Title 10 *Code of Federal Regulations* (10 CFR) 70.32.

The NRC staff reviewed the submittal to determine the impact of the changes on the effectiveness of the plan. Based on its evaluation, the staff concluded that the changes to the plans are administrative in nature and meet the requirements of 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 Part 74. Accordingly, the changes to the FNMCPs are approved. Enclosure of this letter provides the Safety Evaluation Report prepared by the NRC staff.

This action completes the efforts on Technical Assignment Control Numbers L34246, Review of Changes to FNMCP for the Lead Cascade and the ACP, and L34249, Review of Changes to Appendix A of the FNMCP for the ACP.

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 Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

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Sincerely,

*/RA/*

Brian W. Smith, Chief  
Uranium Enrichment Branch  
Division of Fuel Cycle Safety  
and Safeguards  
Office of Nuclear Material Safety  
and Safeguards

Docket Nos.: 07007003, 07007004  
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Enclosure:  
Safety Evaluation Report

cc: Mr. Steven R. Penrod, Vice President, Enrichment Operations  
Mr. Daniel W. Rogers, General Manager, American Centrifuge Plant Operations  
Mr. Vernon J. Shanks, Regulatory Manager  
Mr. Paul E. Sullivan, Vice President, American Centrifuge

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Sincerely,

/RA/

Brian W. Smith, Chief  
Uranium Enrichment Branch  
Division of Fuel Cycle Safety  
and Safeguards  
Office of Nuclear Material Safety  
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Mr. Daniel W. Rogers, General Manager, American Centrifuge Plant Operations  
Mr. Vernon J. Shanks, Regulatory Manager  
Mr. Paul E. Sullivan, Vice President, American Centrifuge

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