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June 15, 2017

Mr. Jonathan K. Corrado
Regulatory Manager
American Centrifuge Operating, LLC
3930 U.S. Route 23 South
P.O. Box 628
Piketon, OH 45661

SUBJECT: CENTRUS - APPROVAL OF NEW SECURITY PLANS FOR THE AMERICAN
CENTRIFUGE LEAD CASCADE FACILITY (COST ACTIVITY CODE L34396)

Dear Mr. Corrado:

This letter approves your letter request dated October 31, 2016 (ACO 16-0037) (Agencywide Documents Access and Management System [ADAMS] Accession Number ML17046A366).

In ACO 16-0037, you requested the U.S. Nuclear Regulatory Commission's (NRC's) approval of the following two new classified security plans:

1. SP-3605-0031, (U) "Security Plan for Disposition of Synthetic Oils from the Lead Cascade Decommissioning Project," and
2. SP-3605-0032, (U) "Security Plan for Lead Cascade Equipment Removal."

These two security plans were approved by the U.S. Department of Energy Oak Ridge Classification Office (DOE).

The NRC staff has completed its review of ACO 16-0037 and determined that the two plans provide reasonable assurance for the physical protection of classified matter as required by Title 10 of the *Code of Federal Regulations* (10 CFR) Part 95 "Facility Security Clearance and Safeguarding of National Security Information and Restricted Data."

The NRC accepts DOE's approval of SP-3605-0031. Specifically, NRC accepts the method to be used to protect the classified identity of certain oils associated with the Gas Centrifuge Enrichment Project.

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The NRC accepts DOE's approval of SP-3605-0032. The methods to be employed to ensure classified waste components are protected during their entire life cycle meets the requirements of 10 CFR 95.39, "External Transmission of Documents and Material," and 10 CFR 95.47, "Destruction of Matter Containing Classified Information."

Therefore, on the basis of its review of ACO 16-0037, the NRC approves the two Security Plans identified above. Accordingly, condition 10.n was added to the Lead Cascade Facility (LCF) license SNM-7003 identifying the two new security plans. All other conditions of this amendment shall remain the same.

Enclosures 1 and 2 to this letter provide the redacted (public) and complete (non-public) versions respectively of Amendment 14 of the LCF's license SNM-7003.

This letter concludes this licensing action and completes the efforts under Cost Activity Code L34396. In accordance with 10 CFR 2.390 of the NRC's "Agency Rules of Practice and Procedure," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the NRC's ADAMS. ADAMS is accessible from the NRC Web site at: <http://www.nrc.gov/readingrm/adams.html> (the Public Electronic Reading Room).

If you have any questions regarding this matter, please contact Mr. Yawar Faraz at (301) 415-7220, or via e-mail at Yawar.Faraz@nrc.gov.

Sincerely,

/RA/

Jacob Zimmerman, Chief
Enrichment and Conversion Branch
Division of Fuel Cycle Safety, Safeguards,
and Environmental Review
Office of Nuclear Material Safety
and Safeguards

Docket No. 07007003
License No. SNM-7003

Enclosures:

1. Amendment 14 – (Redacted)
2. Amendment 14 – LCF License

cc: R. DeVault, DOE
S. Rice, DOE
J. Hutson, DOE
L. Cutlip, Centrus

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APPROVAL OF CHANGES TO THE SECURITY PROGRAM FOR THE AMERICAN
CENTRIFUGE LEAD CASCADE FACILITY (COST ACTIVITY CODE L34396)

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OFC	FCSE/ECB	FCSE/FMB	NSIR	NMSS/FCSE
NAME	YFaraz	AWalker-Smith	DParsons	JZimmerman
DATE	06/06/2017	06/13/2017	6/14/2017	06/15/2017

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