

June 13, 2017

Mr. Jonathan K. Corrado, Director
Regulatory Affairs
American Centrifuge Operating, LLC
3930 U.S. Route 23 South
Piketon, OH 45661

SUBJECT: APPROVAL FOR DISPOSAL OF AMERICAN CENTRIFUGE PROGRAM
CLASSIFIED WASTE AT THE U.S. DEPARTMENT OF ENERGY NEVADA
NATIONAL SECURITY SITE

Dear Mr. Corrado:

This letter approves your request dated January 13, 2017 (ACO 17-0008) (Agencywide Documents Access and Management System [ADAMS] Accession Number ML17047A459). In your January 13, 2017 letter, you requested the U.S. Nuclear Regulatory Commission (NRC) to (1) suspend its review of your letter request dated December 2, 2016 (ACO 16-0045) (ADAMS Accession Number ML16344A432), and (2) as the Cognizant Security Agency, approve permanent burial of your classified waste at the U.S. Department of Energy's (DOE's) Nevada National Security Site (NNSS) in accordance with Section 2.16 of your Security Program for the American Centrifuge Plant (NR-3605-0004). You requested the January 13, 2017 letter supersede the December 2, 2016 letter to request the NRC to approve permanent burial of your classified waste at the NNSS in accordance with Section 2.16 of NR-3605-0004 and Title 10 of the *Code of Federal Regulations*, (10 CFR) Part 61.3(a). Enclosed to your January 13, 2017 letter, was a DOE memorandum dated November 9, 2016 approving disposal at the NNSS of classified programmatic waste from the American Centrifuge Operating, LLC's Piketon, Ohio site.

By letter dated March 2, 2016 (ADAMS Accession Number ML16074A405), American Centrifuge Operating, LLC (ACO) had notified the NRC of its decision to permanently cease operation of the American Centrifuge Lead Cascade Facility (LCF) located in Piketon Ohio, and to terminate NRC License SNM-7003 following decontamination and decommissioning activities. Since then, under its existing LCF license, ACO has been dismantling and packaging the classified LCF equipment and piping for transport to the DOE's NNSS site in Nevada for permanent burial. The update to the transportation security plan authorized by NRC on May 25, 2017 (ADAMS Number ML17074A575) supports disposal of this waste.

After receiving your January 13, 2017 request, the NRC determined that it would need to ensure your proposed action to transport LCF classified waste from the Piketon site to NNSS will not result in an undue burden on the environment. By letter dated February 24, 2017 (ADAMS Accession Number ML17073A109), you provided the environmental information needed to support the NRC's assessment of the potential environmental impacts associated with transporting the LCF classified waste to NNSS. By letter dated March 10, 2017 (ADAMS Accession Number ML17087A285), you provided the public version of your February 24, 2017 submittal. On June 6, 2017, the NRC staff completed its assessment of the potential

environmental impacts of transporting the LCF's classified waste for disposal to NNSS and issued its final Environmental Assessment (final EA) (ADAMS Accession Number ML17153A093) with a Finding of No Significant Impact (FONSI) in the *Federal Register* (ADAMS Accession Number ML17153A111).

The NRC staff has completed its review of ACO 17-0008. Based on the NRC's finding of low potential environmental impacts associated with transporting the LCF's classified waste to NNSS, and its review of DOE's November 9, 2016 approval to ACO to dispose classified waste at the NNSS, your request to dispose classified waste at NNSS is approved. Our environmental review and FONSI is documented in our final EA for the approval to transport classified waste for disposal (ADAMS Accession Number ML17153A093).

This completes our efforts on Cost Activity Codes L34390 and L00922. In accordance with 10 CFR Section 2.390 of the NRC's "Agency Rules of Practice and Procedure," a copy of this letter will be publicly available in the NRC Public Document Room and in ADAMS. ADAMS is accessible from the NRC Web site at: <http://www.nrc.gov/reading-rm/adams.html>.

If you have any questions regarding this action, please contact Mr. Yawar Faraz by telephone 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 Environment Review
Office of Nuclear Material Safety
and Safeguards

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

cc: L. Cutlip, Vice President
M. Robles, Regulatory Manager
R. DeVault, DOE
S. Rice, DOE
J. Hutson, DOE

APPROVAL FOR DISPOSAL OF AMERICAN CENTRIFUGE PROGRAM CLASSIFIED WASTE
AT THE U.S. DEPARTMENT OF ENERGY NEVADA NATIONAL SECURITY SITE

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ADAMS Accession Number: ML17153A037 * via e-mail

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| NAME | YFaraz | AWalker-Smith | *DParsons | JPark for CRoman | JZimmerman |
| DATE | 6/2/17 | 6/2/2017 | 6/5/17 | 6/2/17 | 6/13/17 |

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