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August 9, 2018
ACO 18-0024

ATTN: Document Control Desk
Mr. Marc L. Dapas, Director
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

American Centrifuge Lead Cascade Facility
Docket Number 70-7003; License Number SNM-7003

Termination of American Centrifuge Lead Cascade Facility NRC Materials License

Dear Mr. Dapas:

American Centrifuge Operating, LLC (ACO) hereby requests termination of the NRC materials license for the American Centrifuge Lead Cascade Facility (Lead Cascade). On January 5, 2018 (Reference 1), ACO submitted to the U.S. Nuclear Regulatory Commission (NRC) a Decommissioning Plan (DP) for the Lead Cascade. On August 7, 2018, NRC issued an amendment to the Lead Cascade materials license (Reference 2) approving the DP. All decommissioning activities have been completed as described in the DP.

All NRC regulated material has been disposed of at an approved U.S. Department of Energy (DOE) classified burial site or transferred to DOE. Enclosure 1 provides the YGO inventory report from the Nuclear Materials Management and Safeguards System (NMMSS). YGO is the Reporting Identification Symbol within NMMSS identifying nuclear materials in ACO's possession under the Lead Cascade materials license. This inventory report reflects that there is no nuclear material in ACO's possession under the Lead Cascade NRC materials license. In accordance with the guidance provided by the DOE, Enclosure 1 contains Official Use Only information and ACO requests this enclosure be withheld from public disclosure per 10 *Code of Federal Regulations* (CFR) 2.390(d)(1).

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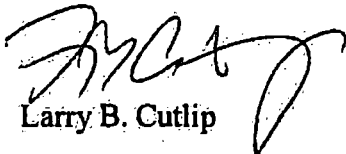
On October 3, 2011 (Reference 3), NRC authorized the possession and use of certain radioactive source and byproduct material calibration sources. Enclosure 2 documents the transfer of these radioactive calibration sources to DOE.

All classified matter has been shipped off-site for burial at an approved DOE classified burial site; returned to DOE for further disposition; sent to the ACO's Technology and Manufacturing Center in Oak Ridge, Tennessee; or appropriately destroyed. ACO provided a Certificate of Non-Possession to NRC on January 18, 2018 (Reference 4). After conducting a close-out review at the Piketon, Ohio, facility, NRC terminated the ACO possessing facility security clearance (FCL) and issued ACO a non-possessing FCL on February 1, 2018 (Reference 5). Personnel security clearances are being maintained for classified work which will be conducted at approved Possessing Facilities, e.g., Oak Ridge, Tennessee and Bethesda, Maryland. The associated Contract Security Classification Specification forms have been provided to NRC.

ACO conducted a final status radiological survey as described in the DP. ACO provided a Final Status Survey Report to NRC on April 19, 2018 (Reference 6). The survey results demonstrate that the Lead Cascade areas meet the radiological criteria for unrestricted use in 10 CFR 20.1402 and the more restrictive Lead Cascade License Application limits.

ACO requests termination of the Lead Cascade NRC materials license and cancellation of the financial surety instruments associated with the Decommissioning Funding Plan (Reference 7) as soon as practicable. If you have any questions regarding this matter, please contact me or Steve Toelle at (301) 564-3250.

Sincerely,



Larry B. Cutlip

Enclosures: As stated

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References:

1. Letter ACO 18-0001 from S.A. Toelle to J.I. Zimmerman (NRC) regarding Submittal of Revision to the Decommissioning Plan for the American Centrifuge Lead Cascade Facility, dated January 5, 2018
2. NRC letter from C.G. Erlanger to S.A. Toelle (ACO) regarding Approval of Decommissioning Plan for the American Centrifuge Lead Cascade Facility (Enterprise Project Identifiers L-2018-DDP-0000 and L-2017-DDP-0010), dated August 7, 2018
3. NRC letter from B.W. Smith to P.J. Miner (ACO) regarding Review of USEC Inc.'s Proposed Changes To The American Centrifuge Lead Cascade Facility's License Application and the American Centrifuge American Centrifuge Plant License Application and Decommissioning Funding Plan for Possession and Use of Source and Byproduct Material Sources (TAC L33144), dated October 3, 2011
4. Letter ACO 18-0010 from S.A. Toelle to M.G. Bailey (NRC) regarding Submission of Certificate of Non-Possession and Non-Possessing Security Plan for American Centrifuge Operating, LLC, dated January 18, 2018
5. NRC letter from D.H. Parsons to S.A. Toelle (ACO) regarding Close-Out Review of American Centrifuge Operating, LLC's Possessing Facility Security Clearance and Change To Non-Possessing Facility Security Clearance, dated February 1, 2018
6. Letter ACO 18-0015 from S.A. Toelle to J.I. Zimmerman (NRC) regarding Submittal of Final Status Survey Report for the American Centrifuge Lead Cascade Facility Decommissioning Project, dated April 19, 2018
7. Letter ACO 13-0024 from P.J. Miner to C. Haney (NRC) regarding Executed Financial Assurance Documentation Associated With the Decommissioning Program for the American Centrifuge Lead Cascade Facility, April 15, 2013

cc (without enclosures, unless otherwise noted):

R. DeVault, DOE ORO
K. Everly, NRC HQ
Y. Faraz, NRC HQ (Enclosures)
S. Koenick, NRC HQ
M. Learn, NRC Region III (Enclosures)
L. Pitts, NRC Region II
O. Siurano-Perez, NRC HQ
J. Smith, NRC HQ (Enclosures)
J. Zimmerman, NRC HQ

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