

**OFFICIAL USE ONLY – SECURITY RELATED INFORMATION
PROPRIETARY INFORMATION**



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001**

March 30, 2023

Kelly L. Fitch, Regulatory Manager
American Centrifuge Operating, LLC
P.O. Box 628
Mail Stop 7560
3930 U.S. 23 South
Piketon, Ohio 45661

**SUBJECT: APPROVAL OF AMERICAN CENTRIFUGE OPERATING'S REQUEST TO
EXTEND THE NUCLEAR REGULATORY COMMISSION'S HIGH ASSAY
LOW-ENRICHED URANIUM PROGRAM AUTHORIZATION EXPIRATION DATE
(EPID L-2022-LLA-0178)**

Dear Kelly Fitch:

By letter dated November 30, 2022 (Agencywide Documents Access and Management System [ADAMS] Accession No. ML22340A461), American Centrifuge Operating (ACO), a wholly owned subsidiary of Centrus Energy Corp. (Centrus), requested that the U.S. Nuclear Regulatory Commission (NRC) modify its Materials License SNM-2011 for the American Centrifuge Plant (ACP) in Piketon, Ohio. The ACP license was issued in 2007 under Title 10 of the *Code of Federal Regulations* (10 CFR), parts 30, 40 and 70 for a period of 30 years (ML070400284; non-public). The licensee's letter requested an extension of the NRC's authorization for the High Assay Low-Enriched Uranium (HALEU) program from November 30, 2022 (ML22208A057) through December 31, 2024, or until production of the licensed amount of HALEU is reached, whichever comes first. The NRC had previously extended its authorization under ACP's Materials License SNM-2011 for ACO's HALEU program from May 31, 2022, to November 30, 2022 (ML22208A057). As part of its request, ACO proposed to extend the expiration date in License Condition 15 to December 31, 2024. As part of the amendment request, the licensee also proposed a new License Condition (LC) for the ACP license SNM-2011 to limit the amount of special nuclear material (SNM) possessed at the ACP to below the Category II quantity thresholds until the installation of a storage system for Category II SNM is completed.

Enclosures 1 and 3 transmitted herewith contain sensitive non-public information. When separated from the sensitive conditions in the enclosures, this document and Enclosures 2 and 4 are decontrolled.

**OFFICIAL USE ONLY – SECURITY RELATED INFORMATION
PROPRIETARY INFORMATION**

~~OFFICIAL USE ONLY – SECURITY RELATED INFORMATION~~
~~PROPRIETARY INFORMATION~~

K. Fitch

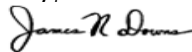
2

The NRC staff has completed its review of the November 30, 2022, request. The details associated with the review are documented in the enclosed non-public safety evaluation report (SER). Also enclosed is a redacted public version of the SER. As part of this licensing action, License Condition (LC) 10.e has been modified to incorporate, in the enclosed license, the application submitted on November 30, 2022 (ML22340A461). In addition, LC 15 has been modified to address the expiration date changes related to ACO's HALEU contract with the Department of Energy. In addition, a new LC 29 has been added to limit the amount of SNM possessed at the ACP to below the Category II quantity thresholds until the installation of a storage system for Category II SNM is completed.

In accordance with 10 CFR Section 2.390 of the NRC's "Agency Rules of Practice and Procedure," a copy of this letter and Enclosure 3 will be available electronically for public inspection in the NRC Public Document Room (PDR), or from the Publicly Available Records component of the NRC's ADAMS. The PDR is open by appointment only. You may submit your request to the PDR via email at PDR.Resource@nrc.gov or call 1-800-397-4209 between 8:00 a.m. and 4:00 p.m. (EST), Monday through Friday, except Federal holidays. ADAMS is accessible from the NRC website at <http://www.nrc.gov/reading-rm/adams.html>. Enclosures 1 and 3 to this letter contain sensitive, unclassified information, and are therefore deemed Official Use Only – Security-Related and Proprietary Information. Therefore, they will not be placed in the PDR, nor will they be publicly available in ADAMS.

If you have any questions regarding this action, please contact Mr. Yawar Faraz by telephone at 301-415-7220, or via email at Yawar.Faraz@nrc.gov.

Sincerely,



Downs, James signing on behalf
of Soto Lugo, Soly
on 03/30/23

Soly Soto-Lugo, Acting Chief
Fuel Facility Licensing Branch
Division of Fuel Management
Office of Nuclear Material Safety
and Safeguards

Docket No. 07007004
License No. SNM-2011

Enclosures:

1. Safety Evaluation Report (OUO-SRI)
2. Safety Evaluation Report (Public)
3. Amendment 20 of the ACP License SNM-2011 (OUO-SRI)
4. Amendment 20 of the ACP License SNM-2011 (Public)

cc: L. Cutlip, Sr. Vice President, Centrus
M. Snider, General Manager, ACO
S. Harlow, DOE NE-HQ
R. Fischels, ACO
centrus_acp@listmgr.nrc.gov (w/o Enclosures 1 and 3)

~~OFFICIAL USE ONLY – SECURITY RELATED INFORMATION~~
~~PROPRIETARY INFORMATION~~

Centrus Phase I License Amendment Package DATE March 30, 2023

DISTRIBUTION:

- TWertz, NMSS/REFS/FAB
- NSt.Amour, OGC/GCRPS/HLWFCNS/NLO
- MMangefrida, OCIO/GEMSD/CSB/CSOT
- SBazian, NSIR/DSO/ISB
- DMcIntyre, OPA
- TSteinfeldt, OGC/GCHA/AGCMLE/NLO
- OSmith, R-II/DRS/PSB
- THarris, NSIR/DPCP/MSB
- TVukovinsky, R-II/DFFI/PB2
- SHelton, NMSS/DFM
- SAni, NMSS/DFM/MCAB
- JWeil, NMSS/DFM
- GNalabandian, OCIO/GEMSD/CSB
- TCampbell, OGC/GCHA/AGCOR/NLO
- JTobin, NMSS/DFM/FFLB
- KWomack, R-II/DFFI/PB1
- CSafford, NMSS/DFM
- LPitts, R-II/DFFI/PB1
- NPitoniak, R-II/DFFI/PB2
- RWilliams, R-II/DFFI/PB1
- JPark, NMSS/REFS/ERMB
- SSotoLugo, NMSS/REFS

ADAMS Accession No.: ML23083B961; Ltr ML23083B962

*** via email**

OFFICE	NMSS/DFM/FFLB	NSIR/DSO/SOSB	NMSS/REFS/FAB	NSIR/DPCP/MSB
NAME	JTobin <i>JT</i>	JCurry <i>JC</i>	FMiller <i>FM</i>	ARivera DWhite for <i>DW</i>
DATE	Mar 26, 2023	Mar 27, 2023	Mar 27, 2023	Mar 28, 2023
OFFICE	OGC/GCRPS /HLWFCNS/NLO*	NMSS/REFS		
NAME	PJehle <i>PJ</i>	SSoto JDowns for <i>JD</i>		
DATE	Mar 28, 2023	Mar 30, 2023		

OFFICIAL RECORD COPY