



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

August 27, 2021

Ms. 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: REQUEST FOR ADDITIONAL INFORMATION – LICENSE AMENDMENT  
APPLICATION FOR HIGH ASSAY LOW ENRICHED URANIUM  
DEMONSTRATION PROGRAM DIGITALLY BASED ITEMS RELIED ON  
FOR SAFETY (ENTERPRISE PROJECT IDENTIFICATION NUMBER:  
L-2021-LLA-0125)

Dear Ms. Fitch:

By letter dated June 30, 2021 (Agencywide Documents Access and Management System [ADAMS] Accession No. ML21196A038), American Centrifuge Operating, LLC (ACO), a wholly owned subsidiary of Centrus Energy Corp. (Centrus), submitted a request to amend its Materials License SNM-2011 for the American Centrifuge Plant (ACP) in Piketon Ohio by incorporating the use of digitally based items relied on for safety for its High Assay Low Enriched Uranium Demonstration program.

In conducting a detailed review of the license amendment request, we have identified technical areas where additional information is needed in order to make a determination of the adequacy of your request. The specific areas where additional information is needed are stated in the non-public enclosure to this letter.

In accordance with Title 10 of the *Code of Federal Regulations*, Section 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 Publicly Available Records component of the NRC's ADAMS. The ADAMS database is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

The enclosure transmitted herewith contains sensitive non-public information. When separated from the sensitive conditions in the enclosure, this document is decontrolled.

K. Fitch

2

Please submit your response to this request for additional information (RAI) within thirty (30) days of the date of this letter. If a clarification call on the RAIs is needed, please request a clarification call before August 30, 2021.

If you have any questions regarding this communication, please contact me by telephone at 301-415-7220, or via e-mail at [Yawar.Faraz@nrc.gov](mailto:Yawar.Faraz@nrc.gov).

Sincerely,



Yawar H. Faraz, Senior Project Manager  
Fuel Facility Licensing Branch  
Division of Fuel Management  
Office of Nuclear Material Safety  
and Safeguards

Docket No. 70-7004  
License No. SNM-2011

Enclosure:  
Request for Additional Information (non-public)

cc: [centrus\\_acp@listmgr.nrc.gov](mailto:centrus_acp@listmgr.nrc.gov)  
L. Cutlip, Vice President, Centrus  
S. Harlow, DOE NE-HQ  
J. Hutson, DOE NE-ORSO Contract Support

~~OFFICIAL USE ONLY—SECURITY-RELATED INFORMATION~~

K. Fitch

3

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION – LICENSE AMENDMENT APPLICATION FOR HIGH ASSAY LOW ENRICHED URANIUM DEMONSTRATION PROGRAM DIGITALLY BASED ITEMS RELIED ON FOR SAFETY (ENTERPRISE PROJECT IDENTIFICATION NUMBER: L-2021-LLA-0125)

DATE: August 27, 2021

**DISTRIBUTION:**

DFM r/f	DRahn, NRR	LPitts, RII	MBartlett, NMSS
NStAmour, OGC	TVukowinski, RII	RWomack, RII	ASmith, NMSS
LClark, OGC	SHelton, NMSS	CRegan, NMSS	RWilliams, RII
JMarcano, NMSS	JJohnston, NRR	PJehle, OGC	DDecker, OCA
NPitoniak, RII	LSuggs, RII	JHammelman, NMSS	CWolf, OCA
JDowns, NMSS	DMcIntyre, OPA	JWeil, OCA	YDiaz, NMSS
MDiaz, NMSS	JPiotter, NMSS	JMunson, NMSS	TSippel, NMSS
BAdkins, RII	MRomano, RII	KKirchbaum, RII	SAni, NMSS
MCall, NMSS			

ADAMS Accession Number: ML21235A021 (pkg), ML21235A022 (letter), ML21235A023 (non-public)

\*via e-mail

OFFICE	NMSS/DFM/ FFLB*	NMSS/DFM/ FFLB*	NMSS/DFM/ NARAB*	NRR/DEX/ ELTB*	NMSS/DFM/ FFLB*
NAME	YFaraz	ELee	JMarcano	JJohnston	JZimmerman
DATE	8/19/2021	8/23/2021	8/19/21	8/19/21	8/24/2021

OFFICIAL RECORD COPY