



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

February 22, 2021

MEMORANDUM TO: Jessie M. Quintero, Chief  
Environmental Review Materials Branch  
Division of Rulemaking, Environmental  
and Financial Support  
Office of Nuclear Material Safety  
and Safeguards

FROM: Jean A. Trefethen, Project Manager  
Environmental Review Materials Branch  
Division of Rulemaking, Environmental  
and Financial Support  
Office of Nuclear Material Safety  
and Safeguards

A handwritten signature in blue ink, reading "J. Trefethen", is positioned to the left of the "Signed by" text.

Signed by Trefethen, Jean  
on 02/22/21

SUBJECT: CENTRUS ENERGY CORP. ENVIRONMENTAL REPORT  
ADDITIONAL INFORMATION (DOCKET NUMBER: 70-7004)

By letters dated April 22, 2020, and May 7, 2020, the American Centrifuge Operating, LLC (ACO) submitted an application to the U.S. Nuclear Regulatory Commission (NRC) to amend Special Nuclear Materials (SNM) License Number SNM-2011 for the American Centrifuge Plant (ACP). Centrus Energy Corp. (Centrus), a subsidiary of ACO, submitted an amendment requesting authorization to enrich uranium to produce advanced nuclear fuel, known as High-Assay Low-Enriched Uranium (HALEU).

On November 10, 2020, the NRC staff sent via email several questions/clarifications to staff from Centrus regarding the environmental report (ADAMS Accession No. ML20139A109) for the HALEU ACP, which Centrus plans to build in Piketon, Ohio (Enclosure 1). On December 15, 2020, the NRC staff received a partial set of responses to the request (Enclosure 2). On December 16, 2020, the NRC staff held a telephone conference call with staff from Centrus to discuss the remaining questions (Enclosure 3). On December 17, 2020, January 6, 2021, and January 13, 2021, the NRC staff received the remainder of the responses (Enclosures 4, 5, and 6).

The purpose of this summary document is to consolidate the additional environmental information that was received by Centrus and evaluated and referenced by NRC in its Environmental Assessment related to the HALEU LAR.

CONTACT: Jean A. Trefethen, NMSS/REFS  
301-415-0867

Docket No. 07-7004

License No. SNM-2011

Enclosures:

- 1) November 10, 2020, Email from J. Trefethen, SUBJECT: Clarifications On
- 2) December 15, 2020, Email from K. Wiehle, SUBJECT: NRC Clarifications Requested – Environmental Report
- 3) Centrus Energy Corp. Environmental Report Additional Information
- 4) December 17, 2020, Email from K. Wiehle, SUBJECT: Feed Material
- 5) January 6, 2021, Two Emails from K. Wiehle, SUBJECT: NRC Clarifications Requested – Environmental Report
- 6) January 13, 2021, Two Emails from K. Wiehle, SUBJECT: NRC Clarifications Requested – Environmental Report

cc: Kelly Wiehle, Centrus Energy Corp.

Centrus Energy Corp. Environmental Report Additional Information; Memo to J. Quintero from J. Trefethen; 6 Emails from K. Wiehle to J. Trefethen DATE February 22, 2021

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**ADAMS Accession No.: ML21019A270; Memo ML21019A260**

OFFICE	NMSS/REFS/ERMB	NMSS/REFS/ERMB		
NAME	JTrefethen JT	JTrefethen JT		
DATE	Jan 19, 2021	Feb 22, 2021		

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