

September 14, 2017

Mr. Stephen A. Toelle, Director
Regulatory Affairs
Centrus Energy Corporation
6901 Rockledge Drive
Bethesda, MD 20817-1818

SUBJECT: CLOSURE OF GENERIC LETTER 2015-01, "TREATMENT OF NATURAL PHENOMENA HAZARDS IN FUEL CYCLE FACILITIES," FOR THE AMERICAN CENTRIFUGE LEAD CASCADE FACILITY AND THE AMERICAN CENTRIFUGE PLANT

Dear Mr. Toelle:

On June 22, 2015, the U.S. Nuclear Regulatory Commission (NRC) issued Generic Letter (GL) 2015-01, "Treatment of Natural Phenomena Hazards in Fuel Cycle Facilities" (Agencywide Documents Access and Management System [ADAMS] Accession Number ML14328A029). The GL-2015-01 was issued for two purposes: (1) to request that addressees submit information to demonstrate compliance with regulatory requirements and applicable license conditions regarding the treatment of natural phenomena events in the facilities' integrated safety analysis; and (2) to determine if additional NRC regulatory action is necessary to ensure that licensees comply with their licensing basis and existing NRC regulations.

By letter dated September 16, 2015, Centrus Energy Corp. (formerly USEC Inc.) responded to GL-2015-01 (ADAMS Accession Number ML15271A157) for the American Centrifuge Lead Cascade Facility (LCF) and American Centrifuge Plant (ACP). During the initial licensing review, the NRC staff completed its evaluation of Centrus' assessment of natural phenomena hazards (NPH) for the LCF and ACP, and the results were documented in the Safety Evaluation Report for the LCF, "Final Safety Evaluation Report of the USEC, Inc. American Centrifuge Lead Cascade Facility at Piketon, Ohio," (ADAMS Accession Number ML063320578) and NUREG-1851, "Safety Evaluation Report for the American Centrifuge Plant in Piketon, Ohio" (ADAMS Accession Number ML062700087). The NRC staff has determined that Centrus' response to GL 2015-01 is consistent with Centrus' previously evaluated NPH assessments.

The NRC staff recognizes that to date no significant ACP construction activities have occurred. Once construction resumes at the ACP, the NRC staff will perform inspections of the construction activities to ensure that the facility is capable of withstanding credible natural phenomena events. The ACP facility will be inspected in accordance with Inspection Manual Chapter (IMC) 2694, "Fuel Cycle Facility Construction and Operational Readiness Review Inspection Program" (ADAMS Accession Number ML17069A203). IMC 2694 has been updated to define the construction inspection program for fuel cycle facilities constructing per a license issued under Title 10 of the Code of Federal Regulations (10 CFR) Part 70, "Domestic

Licensing of Special Nuclear Material" or under 10 CFR Part 40, "Domestic Licensing of Source Material." A sample of the inspection activities includes the verification of the installation and construction of items relied on for safety related to NPH accident sequences. The results of the inspections will be documented in quarterly inspection reports. The NRC staff also recognizes that in February 2016, Centrus Energy Corp. permanently ceased LCF operation and that the facility is currently undergoing decommissioning.

The NRC staff has concluded that Centrus has performed appropriate evaluations of NPH at the ACP and LCF based on the consistency of Centrus' response to GL-2015-01 with Centrus' previous NPH assessment. As a result, GL-2015-01 is considered closed and no further information or action is requested.

In accordance with 10 CFR 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 System component of the NRC's ADAMS. ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Sincerely,

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Craig G. Erlanger, Director
Division of Fuel Cycle Safety, Safeguards,
and Environmental Review
Office of Nuclear Material Safety
and Safeguards

Docket No. 70-7004
Docket No. 70-7003

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DATED: September 14, 2017

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