



September 16, 2015
ACO 15-0030

ATTN: Document Control Desk
Ms. Marissa G. Bailey, Director
Division of Fuel Cycle Safety, Safeguards and Environmental Review
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

**American Centrifuge Lead Cascade Facility and American Centrifuge Plant
Docket Numbers 70-7003 and 70-7004; License Numbers SNM-7003 and SNM-2011**

**Summation of Natural Phenomena Hazards for the American Centrifuge Lead Cascade and
American Centrifuge Plant in Response to the United States Nuclear Regulatory
Commission's Generic Letter GL 2015-01**

**INFORMATION TRANSMITTED HEREWITH IS PROTECTED FROM PUBLIC
DISCLOSURE AS CONFIDENTIAL COMMERCIAL OR FINANCIAL INFORMATION
AND/OR TRADE SECRETS PURSUANT TO 10 CFR 2.390 AND 9.17(a)(1)**

Dear Ms. Bailey:

Purpose

The purpose of this letter is to respond to the Nuclear Regulatory Commission request for information as outlined in Generic Letter GL 2015-01, *Treatment of Natural Phenomena Hazards in Fuel Cycle Facilities*.

Background

On June 22, 2015 the NRC issued Generic Letter GL 2015-01, *Treatment of Natural Phenomena Hazards in Fuel Cycle Facilities*, requesting information regarding how natural phenomena have been evaluated and addressed in the facilities' Integrated Safety Analysis (ISA) to ensure the safety of the public and the work force.

NMSS01
NMSS33

~~Centrus Proprietary Information~~

Marissa G. Bailey
September 16, 2015
ACO 15-0030, Page 2

Discussion

Enclosure 1 presents a summary of how the ISAs for the American Centrifuge Lead Cascade and American Centrifuge Plant have evaluated natural phenomena and identified the necessary Items Relied On For Safety (IROFS) to meet the performance requirements per 10 CFR 70.61. The enclosure is structured to reflect the order of requested items "a" thru "d" in the Generic Letter.

Please note that the information in the Enclosure 1 has been determined to contain Centrus Proprietary Information. Therefore, ACO requests this enclosure be withheld from public disclosure pursuant to 10 CFR 2.390(d)(1). An affidavit required by 10 CFR 2.390(b)(1)(ii) is provided as Enclosure 2 of this letter. In addition the letter is submitted under oath and affirmation as attested to by Enclosure 3.

Action

Centrus respectfully requests the NRC review the enclosed information and determine whether any additional information is needed.

Contact

If you have any questions regarding this matter, please contact me at (740) 897-3285.

Sincerely,



Mario Robles, Jr.
Regulatory Manager

Enclosures: As stated

cc (with enclosures):

O. Lopez, NRC Region II
J. Marcano, NRC NMSS
L. Pitts, NRC Region II
O. Siurano-Perez, NRC HQ
M. Sykes, NRC Region II

~~Centrus Proprietary Information~~

When separated from Enclosure 1 this letter is uncontrolled.

Enclosure 2 to ACO 15-0030

Affidavit

**Information contained within
does not contain
Export Controlled Information**

Reviewer: Bob Lykowski

Date: Sept 15, 2015

**AFFIDAVIT OF STEVEN A. TOELLE
SUPPORTING APPLICATION TO WITHHOLD FROM
PUBLIC DISCLOSURE OF INFORMATION CONTAINED IN
ENCLOSURE 1 OF ACO 15-0030 FOR THE
AMERICAN CENTRIFUGE LEAD CASCADE FACILITY AND
AMERICAN CENTRIFUGE PLANT**

I, Steven A. Toelle, of Centrus Energy Corp. (Centrus), having been duly sworn, do hereby affirm and state:

1. I have been authorized by Centrus to (a) review the information owned by Centrus and is referenced herein relating to the Response to NRC Generic Letter GL 2015-01, *Treatment of Natural Phenomena Hazards in Fuel Cycle Facilities*, which Centrus seeks to have withheld from public disclosure pursuant to section 147 of the *Atomic Energy Act* (AEA), as amended, 42 U.S.C § 2167, and 10 CFR 2.390(a)(4), and 9.17(a)(4), apply for the withholding of such information from public disclosure by the U.S. Nuclear Regulatory Commission (NRC) on behalf of Centrus.
2. Consistent with the provisions of 10 CFR 2.390(b)(4) of the Commission's regulations, the following is furnished for consideration by the Commission in determining whether the information sought to be withheld from public disclosure should be withheld.
 - i. The information sought to be withheld from public disclosure is owned and has been held in confidence by Centrus.
 - ii. The information is of a type customarily held in confidence by Centrus and not customarily disclosed to the public. Centrus has a rational basis for determining the types of information customarily held in confidence by it and, in that connection, utilizes a system to determine when and whether to hold certain types of information in confidence.

~~Centrus Proprietary Information~~

ACO 15-0030, Enclosure 2 - Page 3 of 6

The application of that system and the substance of that system constitute Centrus policy and provide the rational basis required. Under that system, information is held in confidence if it falls in one or more of several types, the release of which might result in the loss of an existing or potential competitive advantage, as follows:

- a) The information reveals the distinguishing aspects of a process (or component, structure, tool, method, etc.) where presentation of its use by any of Centrus's competitors without license from Centrus constitutes a competitive economic advantage over other companies.
- b) It consists of supporting data, including test data, relative to a process (or component, structure, tool, method, etc.), the application of which data secures a competitive economic advantage (e.g., by optimization or improved marketability).
- c) Its use by a competitor would reduce their expenditure of resources or improve their competitive position in the design, manufacture, shipment, installation, assurance of quality, or licensing a similar product.
- d) It reveals cost or price information, production capacities, budget levels, or commercial strategies of Centrus, its customers or suppliers.
- e) It reveals aspects of past, present, or future Centrus or customer funded development plans and programs of potential commercial value to Centrus.
- f) It contains patentable ideas, for which patent protection may be desirable.
- g) It reveals information concerning the terms and conditions, work performed, administration, performance under or extension of contracts with its customers or suppliers.

~~Centrus Proprietary Information~~

ACO 15-0030, Enclosure 2 - Page 4 of 6

- iii. There are sound policy reasons behind the Centrus system which include the following:
- a) The use of such information by Centrus gives Centrus a competitive advantage over its competitors. It is, therefore, withheld from disclosure to protect the Centrus competitive position.
 - b) It is information, which is marketable in many ways. The extent to which such information is available to competitors diminishes Centrus's ability to sell products and services involving the use of the information.
 - c) Use by our competitors would put Centrus at a competitive disadvantage by reducing their expenditure of resources at Centrus expense.
 - d) Each component of proprietary information pertinent to a particular competitive advantage is potentially as valuable as the total competitive advantage. If competitors acquire components or proprietary information, any one component may be the key to the entire puzzle, thereby depriving Centrus of a competitive advantage.
 - e) Unrestricted disclosure would jeopardize the position of prominence of Centrus in the world market, and thereby give a market advantage to the competition of those countries.
 - f) The Centrus capacity to invest corporate assets in research and development depends upon the success in obtaining and maintaining a competitive advantage.
- iv. The information is being transmitted to the Commission in confidence and, under the provisions of 10 CFR Section 2.390, it is to be received in confidence by the Commission.
- v. The information sought to be protected is not available in its entirety via public sources or available information has not been previously employed in the same original manner or method to the best of our knowledge and belief.

~~Centrus Proprietary Information~~

ACO 15-0030, Enclosure 2 - Page 5 of 6

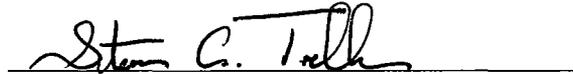
3. The proprietary information sought to be withheld is contained in Enclosure 1 to Centrus letter ACO 15-0030. Enclosure 1 contains the Response to NRC Generic Letter GL 2015-01, *Treatment of Natural Phenomena Hazards in Fuel Cycle Facilities*. The information contained within Enclosure 1 has not been previously disclosed in its entirety and could potentially cause substantial harm to the competitive position of Centrus because it contains facility design evaluation methodology that if used by a competitor would reduce their expenditure of resources or improve their competitive position in the design, licensing and installation of a commercial plant. This information is part of that which will enable Centrus to continue to deploy the American Centrifuge Lead Cascade Facility and American Centrifuge Plant.

~~Centrus Proprietary Information~~

ACO 15-0030, Enclosure 2 - Page 6 of 6

Further the deponent sayeth not.

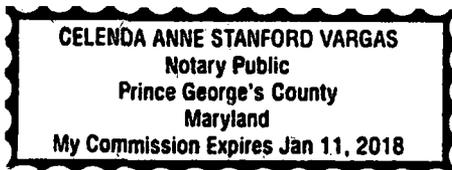
Steven A. Toelle, having been duly sworn, hereby confirms that I am the Director of Regulatory Affairs of Centrus that I am authorized on behalf of Centrus to review the information attached hereto and to sign and file with the U.S. Nuclear Regulatory Commission this affidavit, and that I am familiar with the contents thereof, and that the statements made and matters set forth therein are true and correct to the best of my knowledge, information, and belief.



Steven A. Toelle

On this 16th day of September 2015, Steven A. Toelle personally appeared before me, is known by me to be the person whose name is subscribed to within the instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof I hereunto set my hand and official seal.



Celenda A.S. Vargas, Notary Public

State of Maryland, Montgomery County

My commission expires January 11, 2018

Enclosure 3 to ACO 15-0030

Oath and Affirmation

**Information contained within
does not contain
Export Controlled Information**

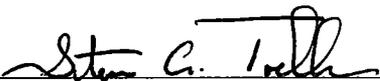
Reviewer: Bob Lykowski

Date: Sept 15, 2015

Centrus Proprietary Information

ACO 15-0030, Enclosure 3 - Page 2 of 2

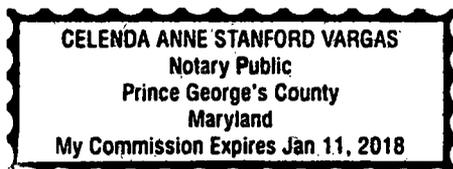
I, Steven A. Toelle, swear and affirm that I am the Director of Regulatory Affairs for Centrus Energy Corp. (Centrus), that I am authorized by Centrus to sign and file with the Nuclear Regulatory Commission this letter presenting a "*Summation of Natural Phenomena Hazards for the American Centrifuge Lead Cascade and American Centrifuge Plant in Response to the United States Nuclear Regulatory Commission's Generic Letter GL 2015-01*", that I am familiar with the contents thereof, and that the statements made and matters set forth therein are true and correct to the best of my knowledge, information, and belief.



Steven A. Toelle

On this 16th day of September 2015, Steven A. Toelle personally appeared before me, is known by me to be the person whose name is subscribed to within the instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof I hereunto set my hand and official seal.



Celenda A.S. Vargas, Notary Public

State of Maryland, Montgomery County

My commission expires January 11, 2018