

December 3, 2015

Ms. Mary Hopkins
State Historic Preservation Officer
Wyoming State Historic
Preservation Office
2301 Central Avenue
Barrett Building, Third Floor
Cheyenne, WY 82002

SUBJECT: NOTIFICATION AND REQUEST FOR CONSULTATION REGARDING
THE PROPOSED URANIUM ONE LUDEMAN IN SITU URANIUM
RECOVERY SATELLITE FACILITY (DOCKET NO.: 40-8052)

Dear Ms. Hopkins:

On December 6, 2011, Uranium One, Inc. (Uranium One) submitted an application to the U.S. Nuclear Regulatory Commission (NRC) to amend source materials license SUA-1341 to authorize Uranium One to construct and operate an in situ uranium recovery (ISR) satellite facility at the proposed Ludeman project site in Converse County, Wyoming. NRC staff submitted requests for additional information (RAIs) to Uranium One in January 2013. Pending the submittal of a complete RAI response package, NRC staff placed the technical and environmental review of the Ludeman license amendment application on hold in August 2013. The NRC staff held a public meeting with Uranium One on April 23, 2015 to discuss responses to targeted RAIs and other open issues related to the safety and environmental reviews. The NRC staff subsequently resumed its technical and environmental review of the license amendment application in August 2015.

The facility, if licensed, would use an ISR technology to extract uranium from the project site. Uranium recovered at the Ludeman project site would be transported and processed into yellowcake at the Willow Creek processing plant located approximately 137 miles north in Johnson County, Wyoming. The nearly 20,000-acre Ludeman project site is located approximately 10 miles northeast of Glenrock, Wyoming, with access to the site from the west off State Highway 95 and from the southeast off State Highway 93. A map showing the proposed project location is enclosed (Enclosure 1), as well as a map with the major roads and rail (Enclosure 2).

The license amendment application has undergone an acceptance review and the NRC staff are commencing with a detailed technical review consisting of both an environmental and safety review. The environmental review will be conducted in accordance with the regulatory provisions in Title 10 of the *Code of Federal Regulations* Part 51 (10 CFR Part 51), which implement the requirements of the National Environmental Policy Act of 1969, as amended (NEPA). The NRC's environmental review will assess the potential environmental impacts of major Federal actions that may significantly affect the human environment.

In accordance with 36 CFR Part 800.8 (Coordination with the National Environmental Policy Act), the NRC staff is using the NEPA process to comply with its obligations under Section 106 of the National Historic Preservation Act of 1966 (NHPA). The environmental review will also include analyses of potential impacts to historic and cultural resources.

Accordingly, the NRC staff is identifying parties and inviting them to consult with the NRC on this matter. Consultation will include participation in the identification of cultural, historic, and archaeological properties within the area of potential effect for the project; assessment of the effects of the proposed action on any such properties identified; and development of alternatives and proposed measures that might avoid, minimize, or mitigate any adverse effects of the proposed action on such properties. The environmental review will include analyses of potential impacts to cultural, historic, and archaeological properties and will document the NRC staff's determinations.

Through this letter, the NRC staff initiates consultation under NHPA Section 106 with the Wyoming State Historic Preservation Officer regarding the proposed Ludeman ISR Satellite Facility. To support the environmental review and implementation of the NHPA Section 106 process through NEPA, the NRC requests that your office provide information, comments, or concerns you consider appropriate with regard to cultural, historic or archaeological resources of interest that may be affected by the proposed license amendment for the Ludeman ISR Satellite Facility. Any information you provide will be helpful in developing the scope and quality of our review in accordance with 10 CFR Part 51.

Additionally, for your review and comment, the NRC staff is enclosing the Class III Cultural Resource Inventory Report (Enclosure 3), prepared by Ethnoscience, Inc. and submitted by Uranium One as part of their application for the Ludeman Project.

For additional information regarding the proposed undertaking, Uranium One's license amendment application is publicly available from the NRC's Agency Wide Documents Access and Management System (ADAMS). You may access publicly available documents online in the NRC library at: <http://www.nrc.gov/reading-rm/adams.html>. The accession number for the Ludeman license amendment application is ML120120182 and is available online through ADAMS.

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If you have any questions or comments on the proposed project, or need additional information regarding the license amendment application or the environmental review, please contact Ms. Kellee Jamerson of my staff by telephone at 301-415-7408, or via e-mail at Kellee.Jamerson@nrc.gov. The NRC looks forward to working with you on this matter.

Sincerely,

/RA/

Lydia W. Chang, Chief
Environmental Review Branch
Division of Fuel Cycle Safety, Safeguards,
and Environmental Review
Office of Nuclear Material Safety
and Safeguards

Docket No.: 40-8502
License No.: SUA-1341

Enclosures:

1. Map of the Proposed Ludeman
ISR Satellite Facility Location
2. Map of Major Roads and Rail
3. Class III Cultural Resource
Inventory Report (Non-Public)

cc w/o enclosures:
Richard L. Currit, Senior Archaeologist

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Richard L. Currit, Senior Archaeologist

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