



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

September 1, 2017

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

SUBJECT: TRANSMITTAL OF INFORMATION RELATED TO THE SECTION 106
CONSULTATION FOR THE PROPOSED LUDEMAN IN SITU URANIUM
RECOVERY SATELLITE PROJECT IN CONVERSE COUNTY, WYOMING
(DOCKET NUMBER 40-8502)

Dear Ms. Hopkins:

The U.S. Nuclear Regulatory Commission (NRC) initiated a National Historic Preservation Act Section 106 consultation with your office by letter dated December 3, 2015 (Agencywide Documents Access and Management System [ADAMS] Accession Number ML15314A385) concerning the Uranium One, Inc. (Uranium One) proposed Ludeman in situ uranium recovery (ISR) project in Converse County, Wyoming. Uranium One is seeking to amend its source materials license SUA-1341 to construct and operate an ISR satellite facility. The facility, if licensed, will use an ISR technology to extract uranium from underground ore deposits and collect it on ion exchange resins. Uranium from ion exchange resins at the proposed Ludeman satellite facility will be transported and subsequently processed at the Willow Creek Central Processing Plant located in Johnson County, Wyoming. This letter describes NRC's efforts to define the area(s) of potential effect (APEs) and identify historic properties for Ludeman and requests the Wyoming State Historic Preservation Office's (WY SHPO) concurrence on those efforts.

Defining the APEs

The NRC staff has delineated a direct and an indirect APE that may be affected by the construction, operation, decommissioning, and restoration activities associated with the proposed project. The direct APE is comprised of the area that may be directly affected by physical ground disturbance and construction of the proposed project. The indirect APE is comprised of the area within 2 miles of the Ludeman project boundary where potential visual and audible effects, or other potential effects due to an increase in human activity near the project area, could potentially impact previously documented historic properties.

Enclosure 1 contains a map showing the proposed direct APE for the Ludeman project, which includes 2,200 acres of land within the Ludeman project boundary. Since initial submittal of the cultural resource inventory report, Uranium One has removed all federal and state lands from the project area, therefore the remaining area consists only of privately owned land by letter

dated April 10, 2013 (ADAMS Accession No. ML13106A238). Enclosure 2 contains a map showing the conceptual infrastructure and cultural resource locations.

Identify Historic Properties

The NRC is in the process of identifying historic properties within the direct APE of the Ludeman ISR project. Uranium One prepared a Class III Cultural Resource Inventory Report (Enclosure 3) of the direct APE as part of its license amendment application to the NRC. The NRC is asking for the WY SHPO to concur on the Ludeman direct APE and the method established for determining the indirect APE. Also, NRC is asking your office to review Uranium One's Class III Survey Report, and provide input within 30 days of receipt of this letter. You may provide comments to the NRC environmental project manager by phone, email, fax, or mail.

If you have any questions or need any additional information on the proposed Ludeman ISR Project, please contact the environmental Project Manager, Ms. Ashley Waldron, via email at: Ashley.Waldron@nrc.gov, by telephone (301) 415-7317, or by mail: U.S. Nuclear Regulatory Commission, ATTN: Ms. Ashley Waldron, Mailstop T4B16, 11545 Rockville Pike, Rockville, MD 20852

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. ADAMS is accessible from the NRC website at <http://www.nrc.gov/reading-rm/adams.html>. However, the NRC staff has decided to make the enclosures contained in this letter non-public because they may identify potential historic and cultural resources.

Sincerely,

/RA/

Cinthya I. Román, 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. Area of potential disturbance map
2. Cultural resource location map
3. Class III Cultural Resource Inventory

cc: R. Curritt, WY SHPO (via e-mail)

M. Hopkins

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DATED: **September 1, 2017**

ADAMS Accession Package Number: ML17234A460

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NAME	*AWalker-Smith	AWaldron	CRomán
DATE	8/31/2017	8/28/2017	9/01/2017

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