



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

March 23, 2018

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

**SUBJECT: LUDEMAN IN SITU URANIUM RECOVERY SATELLITE PROJECT:
RECOMMENDATIONS OF ELIGIBILITY FOR HISTORIC PROPERTIES IN
CONVERSE COUNTY, WYOMING (DOCKET NUMBER: 040-8502)**

Dear Ms. Hopkins:

The U.S. Nuclear Regulatory Commission (NRC) is providing for your review and concurrence determinations of eligibility to the National Register of Historic Places two cultural properties at the Ludeman In Situ Uranium Recovery (ISR) Project.

Uranium One USA (Uranium One) submitted an application to amend its source materials license (SUA-1341) in December 2011, to construct and operate the proposed Ludeman ISR satellite project in Converse County, Wyoming. Included in the application was a Historic and Cultural Resources Report (Class III Report) that identified cultural resources at the project location.

On September 1, 2017, the NRC submitted the Uranium One Class III Report and the Area of Potential Effect (APE). Comments provided by your office in an email on October 4, 2017, stated that you concurred on how the NRC defined the APE's (direct and indirect) and to submit the report for your review when the NRC has made full determinations of eligibility and effect have been made.

The Class III Report and APE were also provided to consulting Tribes. In November 2017, the NRC staff and members from one Tribe (Northern Cheyenne) participated in a tribal site visit at the Ludeman ISR project. NRC received a written response from the Tribal Historic Preservation Office (THPO) of the Northern Cheyenne, it stated that two sites identified within the APE should be eligible under Criteria A and D. For your information, a copy of their letter are provided in Enclosure 1.

NRC recognizes the special expertise of the Tribe in assessing historic properties that may possess religious and cultural significance to them, and as a result of tribal input received, the NRC recommends sites 48CO3036 and 48CO3037 be listed as eligible for the National Register of Historic Properties (NRHP) under Criteria A and D. These two sites were previously recommended as not eligible within the Class III Report. Enclosure 2 contains the updated site forms for the two sites. In addition the Class III Historic and Cultural Resources Report provided by Uranium One is provided in (Enclosure 3) for your reference. The Class III Report also identified two other archaeological sites that fall within the APE, 48CO3009 and 48CO3027,

both of which were recommended as not eligible. NRC recommends concurrence that 48CO3009 and 48CO3027 are not eligible for the NRHP. All enclosures are non-publicly available.

The NRC staff requests your concurrence on the NRC's recommendations of eligibility within 30 days of receipt of this letter. If you have any questions or require additional information, please contact Ms. Ashley Waldron by telephone at (301) 415-7317 or via email at Ashley.Waldron@nrc.gov.

Sincerely,

\RA\

Cinthy I. Román, Chief
Environmental Review Branch
Division of Fuel Cycle Safety, Safeguards,
and Environmental Review
Office of Nuclear Material Safety
and Safeguards

Docket No. 040-8502
License No. SUA-1341

Enclosures:

1. Tribal input recommendations of eligibility (ML18058A125)
2. Wyoming Cultural Properties Form (ML18065A894)
3. Class III Report (ML17181A375)

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DATED: March 23, 2018

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***via email**

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