



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

February 27, 2018

Ms. Robin Jones, Supervisor  
Land Quality District 1  
200 W. 17th Street Suite 10  
Cheyenne, WY 82002

SUBJECT: REQUEST FOR COMMENTS ON URANIUM ONE – LUDEMAN EXPANSION,  
CONVERSE COUNTY WYOMING – SOURCE MATERIALS LICENSE  
NUMBER SUA-1341 DRAFT ENVIRONMENTAL ASSESSMENT  
(DOCKET NUMBER: 40-8502)

Dear Ms. Jones:

The U.S. Nuclear Regulatory Commission (NRC) staff is currently reviewing a license amendment request from Uranium One dated December 6, 2011 (Agencywide Documents Access and Management System [ADAMS] Accession Number ML120120182). Uranium One requested to amend NRC Source Material License SUA-1341 to construct and operate the Ludeman satellite at the Willow Creek In Situ Recovery site located in Converse County, Wyoming.

The NRC staff has prepared a draft environmental assessment (draft EA) and draft Finding of No Significant Impact (FONSI) in accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) Part 51, "Environmental Protection Regulations for Domestic Licensing and Related Regulatory Functions," the NRC regulations that implement the National Environmental Policy Act of 1969, as amended. The purpose of the draft EA is to assess the potential environmental impacts of the proposed license amendment and reasonable alternatives. The NRC staff concludes in the draft EA that approving the amendment request to add the Ludeman satellite would not significantly affect the quality of the human environment.

The NRC staff also conducted a technical evaluation of the Uranerz license amendment request pursuant to 10 CFR Part 40, "Domestic Licensing of Source Material," and 10 CFR Part 20, "Standards for Protection Against Radiation." The results of the technical evaluation are documented in a separate Technical Evaluation Report, which will be made publicly available once the NRC issues its final decision on Uranerz proposed amendment request.

Enclosed is a copy of the draft EA for review and comment by State personnel only. The draft EA contains pre-decisional information, therefore distribution and use of this document must be

limited to State staff involved in the review and comment process only. It is further requested that comments be provided to the NRC staff within 30 days of receipt of this letter and its enclosure.

The NRC staff will consider your timely comments and will revise the draft EA, as appropriate, before its final issuance. Concurrent with the issuance of the final EA, the NRC staff plans to publish the associated FONSI in the *Federal Register*.

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

If you have any questions, please contact Ms. Ashley Waldron of my staff by telephone at (301) 415-7317 or via email at [Ashley.Waldron@nrc.gov](mailto:Ashley.Waldron@nrc.gov). Thank you for your assistance.

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

Enclosure:  
Draft Environmental Assessment

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DATED: February 27, 2018

**ADAMS PACKAGE ACCESSION NUMBER ML18051A494****\*via email**

<b>OFC</b>	NMSS/FCSE/ERB	NMSS/FCSE/ERB	OGC	NMSS/FCSE/ERB
<b>NAME</b>	AWaldron	AWalker-Smith	SClark	CRomán
<b>DATE</b>	02/21//2018	02/21/2018	02/23/2018	02/27/2018

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