



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

August 24, 2018

Mr. Scott Schierman, Manager
Health Safety and Environment
Uranium One USA, Inc.
907 N. Poplar Street, Suite 260
Casper, WY 82601

SUBJECT: AMENDMENT NO. 6, SOURCE MATERIAL LICENSE NO. SUA-1341, WILLOW CREEK PROJECT, AMENDMENT TO EXPAND OPERATIONS TO THE LUDEMAN PROJECT, CONVERSE COUNTY, WYOMING (EPID NOS. L-2017-DEY-0002 and L-2017-LNE-0021)

Dear Mr. Schierman:

By letter dated December 3, 2011, Uranium One USA submitted to the U.S. Nuclear Regulatory Commission (NRC) a request to amend its Willow Creek Project Source Materials License SUA-1341 to authorize construction and operation of the Ludeman Project In Situ Recovery (ISR) expansion in Converse County, Wyoming. In April 2013, during the NRC staff's review of this application, Uranium One USA notified NRC staff that it planned to change the design of the proposed Ludeman Project. The licensee submitted a revised technical report on June 28, 2017 (ML17192A357) as well as a revised environmental report on August 25, 2017 (ML17261A460) incorporating the major revisions to the original technical report based on the April 2013 "change of design" request, and responses to RAIs and open issues.

The NRC staff has completed its review of the Ludeman Project license amendment request and approves this request. Enclosed, please find the NRC staff's "*Safety Evaluation Report, License Amendment for the Ludeman Project to the Willow Creek In Situ Recovery Project Converse County, Wyoming, Revision 1*," (Enclosure 1) and Source Material License No. SUA-1341, Amendment 6 (Enclosure 2). Amendment 6 of Source Material License SUA-1341 reflects changes to the license conditions to include the Ludeman Project in licensed activities at the Willow Creek Project as evaluated and described in Revision 1 of the SER. Revision 1 of the SER amends Section 5.7.6, "Contamination Control Program," to include an evaluation of the licensee's qualification and training program for individuals who perform surveys under the contamination control program by removing the last two sentences in license condition 9.8. Revision 1 also adds references throughout the SER to the January 11, 2018 letter from the licensee and includes an editorial change to correct the number of license condition 10.22 to license condition 10.29 throughout the document. Uranium One USA accepted the license conditions in this Amendment in a public meeting held February 22, 2018 (ADAMS Accession No. ML18078A748) and by email dated March 15, 2018 (ADAMS Accession No. ML18075A170).

Pursuant to requirements under the National Environmental Policy Act, staff prepared an

S. Schierman

- 2 -

Environmental Assessment for this action (ML18183A225). The revision to license condition 9.9 described in the final EA was accepted by the licensee by email dated August 2, 2018 (ADAMS Accession No. ML18227A065). The Finding of No Significant Impact for this action (ADAMS Accession No. ML18131A235) was published in the *Federal Register* on August 14, 2018 (83 FR 40357).

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

If you have questions regarding this action, please contact Dr. Elise Striz of my staff at (301) 415-0708 or, by e-mail, at Elise.Striz@nrc.gov.

Sincerely,

/RA/

Andrea Kock, Deputy Director
Division of Decommissioning, Uranium Recovery
and Waste Programs
Office of Nuclear Material Safety
and Safeguards

Docket No: 040-08502
License No: SUA-1341

Closes EPIDs:
L-2017-DEY-0002
L-2017-LNE-0021

Enclosures:

1. Safety Evaluation Report, Rev. 1
2. Amendment No. 6, Source Material License No., SUA-1341

cc: J. Powell, WDEQ

SUBJECT: AMENDMENT NO. 6, SOURCE MATERIAL LICENSE NO. SUA-1341, WILLOW CREEK PROJECT, AMENDMENT TO EXPAND OPERATIONS TO THE LUDEMAN PROJECT, CONVERSE COUNTY, WYOMING (EPID NOS. L-2017-DEY-0002 and L-2017-LNE-0021) DATED AUGUST 24, 2018

Docket No: 040-08502
License No: SUA-1341

Closes EPIDs:
L-2017-DEY-0002
L-2017-LNE-0021

Enclosures:

1. Safety Evaluation Report, Rev. 1
2. Amendment No. 6, Source Material License No., SUA-1341

cc: J. Powell, WDEQ

DISTRIBUTION: R. Kellar, R-IV B. Baca, R-IV

ADAMS Accession No.: ML18081A226

OFFICE	NMSS:PM	NMSS:LA	OGC	NMSS:BC	NMSS:DD
NAME	E. Striz	S. Achten	SClark via email	B. VonTill	A. Kock
DATE	8/6/18	8/3/18	8/6/18	8/8/18	8/24/18

OFFICIAL RECORD COPY