

March 7, 2013

Ms. Donna Wichers
President
Uranium One USA, Inc.
Uranium One Americas, Inc.
907 N. Poplar Street, Suite 260
Casper, Wyoming 82601

SUBJECT: MATERIALS LICENSE SUA-1341, LICENSE RENEWAL, URANIUM ONE USA, INC., WILLOW CREEK URANIUM IN SITU RECOVERY PROJECT, CAMPBELL AND JOHNSON COUNTIES, WYOMING (TAC J00564)

Dear Ms. Wichers:

By letter dated May 30, 2008, Cogema Mining, Inc. (COGEMA) submitted a license renewal application (LRA) to the U.S. Nuclear Regulatory Commission (NRC) for the renewal of Source and Byproduct Materials License SUA-1341 for the extraction and recovery of uranium source material at its Irigaray and Christensen Ranch In-Situ Recovery (ISR) Project in Campbell and Johnson Counties, Wyoming. The LRA was accepted for NRC review on December 29, 2008. A notice of license renewal request and opportunity to request a hearing was issued in the *Federal Register* on February 9, 2009. The NRC received two requests for hearing on the license renewal application. After an initial hearing, the Atomic Safety and Licensing Board found the applicants did not have standing to intervene.

In 2010, as a result of several changes of control that were reviewed and consented to by the NRC and a subsequent name change, the current licensee is Uranium One USA, Inc. (Uranium One), a subsidiary of Uranium One, Inc., a subsidiary of JSC Atomredmetzoloto. The project name was also changed from Irigaray and Christensen Ranch Project to the Willow Creek Project. This project name change was not a change of control requiring NRC approval.

During the LRA review process, the NRC staff's review was aided by COGEMA's and Uranium One's responses to requests for additional information on the LRA. Uranium One supplemented the LRA with revisions dated, October 31, 2008, July 17, 2009, November 19, 2010, March 7, 2012, and July 10, 2012.

The staff completed its environmental review of the proposed facility and documented its findings in an Environmental Assessment dated July 2011 and a supplemental Environmental Assessment dated January 2013.

During the safety review, the NRC staff developed proposed license conditions and issued a draft license for the Willow Creek Project on April 12, 2012. The NRC staff issued revised draft license conditions to Uranium One on September 21, 2012, and a revised draft license on January 17, 2013. Uranium One agreed to the license conditions in the revised draft license by email dated January 23, 2013.

The NRC has found that the LRA for the Willow Creek Project materials license complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations. Based on its review, the staff concludes that the LRA meets the applicable requirements in 10 CFR Parts 20 and 40. More specifically, in accordance with 10 CFR 40.32(a) – (e), the NRC staff finds that: (1) the renewal application is for a purpose authorized by the Act; (2) Uranium One is qualified by reason of training and experience to use source material for the purpose it requested; (3) Uranium One's proposed equipment and procedures for use at its Willow Creek Project are adequate to protect public health and minimize danger to life or property; (4) renewal and issuance of a license to Uranium One will not be inimical to the common defense and security or to the health and safety of the public; and (5) after weighing the environmental, economic, technical and other benefits against environmental costs, that the action called for is the renewal of Materials License SUA-1341 (Enclosure 1). The NRC staff's review supporting these findings is documented in the enclosed Safety Evaluation Report (Enclosure 2).

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice for Domestic Licensing Proceedings and Issuance of Orders," 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 NRC's document system (ADAMS). ADAMS is accessible from the NRC Website at <http://www.nrc.gov/reading-rm/adams.html>.

If you have any questions concerning the above, please contact Mr. Ron Linton at (301) 415-7777, or via email at Ron.Linton@nrc.gov.

Sincerely,

/RA/

Andrew Persinko, Deputy Director
Decommissioning and Uranium Recovery
Licensing Directorate
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
and Environmental Management Programs

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

Enclosures:

1. Source Materials License
2. Safety Evaluation Report

cc: M. Ploughe P.G. (WDEQ)

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Sincerely,

/RA/

Andrew Persinko, Deputy Director
Decommissioning and Uranium Recovery
Licensing Directorate
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
and Environmental Management Programs

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

Enclosures:

1. Source Materials License
2. Safety Evaluation Report

cc: M. Ploughe P.G. (WDEQ)

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