

September 30, 2010

Mr. Jon Winter
Manager, Wyoming Environmental
and Regulatory Affairs
Uranium One
907 N. Poplar Street
Suite 260
Casper, WY 82601

SUBJECT: MATERIALS LICENSE, URANIUM ONE AMERICAS, INC., MOORE RANCH
URANIUM PROJECT IN SITU RECOVERY FACILITY, CAMPBELL COUNTY,
WYOMING (TAC J00546)

Dear Mr. Winter:

By letter dated October 2, 2007, Uranium One Americas, Inc. (Uranium One) submitted an application to the U.S. Nuclear Regulatory Commission (NRC) for a uranium in situ recovery (ISR) facility at the Moore Ranch in Campbell County, Wyoming. The application was accepted for NRC review on December 20, 2007. During the review process, the NRC staff's review was aided by Uranium One's responses to additional information for the safety and environmental reports. Additionally, public meetings were held on February 14, 2008, September 25, 2008, May 11, 2009, July 27, 2009, and July 14, 2010 to discuss various aspects of the staff's review.

The staff completed its environmental review of the proposed facility and documented its findings in NUREG-1910, Supplement 1, "Environmental Impact Statement for the Moore Ranch ISR Project in Campbell County, Wyoming," dated August 2010. A notice of availability of this document was published in the *Federal Register* on August 27, 2010 (75 FR 52780).

During the safety review, the staff developed proposed license conditions and issued a draft license for Moore Ranch on June 22, 2010, and a revised draft license on September 21, 2010. By letter/email dated September 29, 2010, Uranium One accepted the conditions in the revised draft license.

The NRC has found that the application for the Moore Ranch materials license complied 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 application meets the applicable requirements in 10 CFR Parts 20 and 40. More specifically, in accordance with 10 CFR 40.32(b-c), the staff finds that Uranium One is qualified by reason of training and experience to use source material for the purpose it requested; and that Uranium One's proposed equipment and procedures for use at its Moore Ranch facility are adequate to protect public health and minimize danger to life or property. The NRC staff's review supporting these findings is documented in the enclosed Safety Evaluation Report (Enclosure 1). Therefore, in accordance with 10 CFR 40.32(d), the staff finds that 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. License Amendment No. 1 to Materials License SUA-1596 is enclosed (Enclosure 2).

The staff notes that on July 20, 2010, Uranium One Americas, Inc. submitted a notice of indirect change of control to the NRC with respect to its current materials license, SUA-1341, and three pending materials license applications (Docket Nos. 40-8502, 40-9073, 40-9079; and 40-9095,

respectively). By this notice, Uranium One Americas, Inc. informed the NRC that its parent company, Uranium One, Inc. had entered into a Purchase and Subscription Agreement with JSC Atomredmetzoloto (ARMZ) and its wholly owned subsidiaries Effective Energy N.V., and Uranium Mining Company, such that upon closing of the transaction Uranium One Americas' parent company, Uranium One, Inc., will become a majority owned subsidiary of ARMZ. The NRC's consolidated review of the notice is being conducted within Docket No. 40-8502, and will not be substantively addressed herein.

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. Douglas Mandeville at (301) 415-0724 or via email at Douglas.Mandeville@nrc.gov.

Sincerely,

/RA/

Keith I. McConnell, 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. 40-9073

Enclosures:

1. Safety Evaluation Report
2. Source Material License

cc: G. Mooney, WDEQ

respectively). By this notice, Uranium One Americas, Inc. informed the NRC that its parent company, Uranium One, Inc. had entered into a Purchase and Subscription Agreement with JSC Atomredmetzoloto (ARMZ) and its wholly owned subsidiaries Effective Energy N.V., and Uranium Mining Company, such that upon closing of the transaction Uranium One Americas' parent company, Uranium One, Inc., will become a majority owned subsidiary of ARMZ. The NRC's consolidated review of the notice is being conducted within Docket No. 40-8502, and will not be substantively addressed herein.

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. Douglas Mandeville at (301) 415-0724 or via email at Douglas.Mandeville@nrc.gov.

Sincerely,

/RA/

Keith I. McConnell, 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. 40-9073

Enclosures:

1. Safety Evaluation Report
2. Source Material License

cc: G. Mooney, WDEQ

Distribution:

E Striz JWebb DGillen D Orlando B Shroff

ML102600460

Office	DWMEP	DWMEP	DWMEP	DWMEP	OGC	DWMEP	DWMEP
Name	DMandeville	BGarrett	SCohen	BvonTill	JHull NLO by Email	DSKeen by Email	KMcConnell
Date	9/ 28/10	9/28/10	9/ 28/10	9/28/10	9/27/10	9/24/10	9/30 /10

OFFICIAL RECORD COPY