

January 15, 2013

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

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING URANIUM ONE
AMERICAS' LICENSE AMENDMENT REQUEST FOR THE NEW LUDEMAN *IN
SITU* LEACH URANIUM RECOVERY FACILITY, CONVERSE COUNTY,
WYOMING

Dear Mr. Winter:

By letter dated December 5, 2011, Uranium One Americas (Uranium One) submitted to the U.S. Nuclear Regulatory Commission (NRC) a request to amend Source Material License SUA-1341 to construct and operate a uranium *in situ* recovery (ISR) facility at its Ludeman site in Converse County, Wyoming. The Technical and Environmental Reports supporting the license amendment request are publicly available in NRC's Agency-wide Documents Access and Management System (ADAMS).

The staff has completed its review of the license amendment request. The Technical Report was reviewed in accordance with the NUREG-1569, "Standard Review Plan for In Situ Leach Uranium Extraction License Applications," Final Report, June 2003, and the Environmental Report was reviewed in accordance with NUREG-1748, "Environmental Review Guidance for Licensing Actions Associated with NMSS Programs," August 2003. The staff has determined that additional information is required in order to complete our safety and environmental reviews of the proposed action. Enclosed are the staff's Requests for Additional Information (RAIs) that identify the information needed for the continued review of your license amendment request. Enclosure 1 contains the Technical Report RAIs, and Enclosure 2 contains the Environmental Report RAIs.

NRC is requesting that Uranium One provide responses to the RAIs. Uranium One should prepare a table identifying the RAI response and where the information is located in the revised Technical and Environmental Reports. Uranium One is encouraged to contact NRC if clarification is required for any RAI.

J. Winter

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In accordance with 10 CFR 2.390 of 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 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 me at John.Buckley@nrc.gov or (301) 415-6607.

Sincerely,

/RA/

John T. Buckley, Senior Project Manager
Reactor Decommissioning Branch
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.: 04008502

Enclosures:

1. Technical report RAIs
2. Environmental Report RAIs

cc:

Lowell Spackman (WDEQ)
Miles Bennett (WDEQ)
James Brashor (BLM)

J. Winter

2

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| NAME | JBuckley | BGarret | EStriz | DMandeville | KKline | TOxenberg |
| DATE | 1/03/13 | 1/8/13 | 1/3/13 | 1/3/13 | 1/3/13 | 1/7/13 |
| OFC | DWMEP | DWMEP | DWMEP | DWMEP | DWMEP | |
| NAME | KJamerson | KHseuh | BVonTill | APersinko | JBuckley | |
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