



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
1600 EAST LAMAR BLVD
ARLINGTON, TEXAS 76011-4511

October 3, 2013

Mr. Wayne Heili
Lost Creek ISR LLC
5880 Enterprise Drive, Suite 200
Casper, WY 82609

SUBJECT: NRC INSPECTION 040-09068/13-001 AND AUTHORIZATION TO BEGIN
IN-SITU RECOVERY OPERATIONS INCLUDING YELLOWCAKE DRYING

Dear Mr. Heili:

The U.S. Nuclear Regulatory Commission (NRC) conducted a preoperational team inspection at your Lost Creek in-situ recovery facility in Sweetwater County, Wyoming, during June 24-28 and July 29-30, 2013. By letter dated August 7, 2013, the NRC authorized Lost Creek to conduct operations with the exception of dryer operations. On August 27, 2013, a third inspection was conducted specifically to evaluate your readiness for dryer operations.

Pursuant to License Condition 12.3 of Materials License SUA-1598, the purpose of the August 2013 inspection was to ensure that the dryer and associated support equipment had been installed, approved procedures were in place, dryer training had been conducted, operational testing was complete, and radiation safety measures have been implemented. The inspector interviewed personnel, observed the facility, and comprehensively reviewed all operating procedures related to drying and packaging of yellowcake for compliance with the license application, license conditions, and applicable regulations.

Based on the results of the August 2013 preoperational inspection, the NRC staff has determined that your facility is ready to commence with in-situ recovery operations including the drying and packaging of yellowcake. The results of the team inspection will be provided to you under separate correspondence at a later date.

Future inspections will be established in accordance with the guidance provided in NRC Manual Chapter 2641, "In-Situ Leach Facilities Inspection Program." Be advised that future inspections may be unannounced to ensure that Lost Creek continues to operate its facility in accordance with regulatory and license requirements.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and your response, if you choose to provide one, will be made available electronically for public inspection in the NRC Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>. To the extent possible, your response should not include any personal privacy, proprietary, information so that it can be made available to the Public without redaction.

Should you have any questions concerning this letter, please contact Ms. Linda Gersey, Health Physicist, at 817-200-1299, or the undersigned at 817-200-1191.

Sincerely,

/RA Robert J. Evans for/

D. Blair Spitzberg, Ph.D., Chief
Repository and Spent Fuel Safety Branch
Division of Nuclear Materials Safety

Docket Number: 040-09068
License Number: SUA-1598

cc: S. Ramsay, Wyoming Office of Homeland Security
C. Anderson, Wyoming Department of Environmental Quality
M. Rogaczewski, Wyoming Department of Environmental Quality

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ADAMS	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> SUNSI Review Complete	Reviewer Initials: LMG
<input checked="" type="checkbox"/> Publicly Available	<input type="checkbox"/> Non-publicly Available	<input type="checkbox"/> Sensitive	<input checked="" type="checkbox"/> Non-sensitive	
Category – KEYWORD				
RIV:DNMS/NM SBB	C:RSFS			
LMGersey	DBSpitzberg			
<i>/RA/</i>	<i>/RJEvans for/</i>			
10/3/2013	10/3/2013			

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