

COLORADO OFFICE  
10758 W. CENTENNIAL RD., STE. 200  
LITTLETON, CO 80127  
TEL: (866) 981-4588  
FAX: (720) 981-5643



WYOMING OFFICE  
5880 ENTERPRISE DR., STE. 200  
CASPER, WY 82609  
TEL: (307) 265-2373  
FAX: (307) 265-2801

**LOST CREEK ISR, LLC**

AD-9068

June 19, 2017

ATTN: Document Control Desk  
Nuclear Regulatory Commission  
Washington, D.C. 20555-001

**Re: Release Report 11407  
Lost Creek ISR Project SUA-1598**

Dear Mr. Saxton,

Pursuant to License Condition 11.6, Lost Creek ISR, LLC ("LCI") hereby provides a written report detailing a release of injection fluid that was reportable to the Wyoming Department of Environmental Quality (WDEQ). Using the spill report webpage, LCI notified WDEQ-Water Quality Division (WQD) of the unplanned release on May 22, 2017 (Incident ID 170522-1414). Additionally, LCI notified WDEQ-LQD (Brian Wood) and NRC (John Saxton) of the release via email on the same day it was reported to the WQD. The volume was initially estimated at approximately 707 gallons based on the area and depth of affected surface. A revised, more conservative volume estimate of 1,100 gallons was determined based on flow rate and duration. The release occurred south of Header House 1-10 at T25N R92W Section 20 NW of NW qtr-qtr.

The release was discovered by the Wellfield Operations Supervisor on the morning of May 22, 2017 which had originated from a leaking fitting on the wellhead piping. The "vic-lock" fitting which connects the U-pipe to the wellhead had leaked for unknown reasons. The well was shut-in, the fitting was repaired, and the well was then restarted. In the future, to evaluate the vic-lock fittings for possible causes of leakage, the fittings will be inspected during the course of routine maintenance for the following potential issues:

- Salt buildup indicative of leakage,
- Condition of the o-ring for weathering, and
- Corrosion of the metal fitting.

Corrective actions, if necessary, will depend upon the outcome of the evaluations.

The concentration of uranium in the injection fluid at HH1-10 at the time of the release was 1.5 mg/L (U as U3O8). A soil sample was collected from within the release area and submitted for analysis of uranium and Ra-226 results of which are pending.

*Lost Creek ISR, LLC is a wholly-owned subsidiary of Ur-Energy Inc.*  
TSX: URE  
www.ur-energy.com

TE72  
NMSS

If you have any questions regarding this letter or require additional information please feel free to contact me at the Casper Office.

Sincerely,



Michael D. Gaither  
Manager EHS and Regulatory Affairs  
Ur-Energy USA, Inc.

Attachments: **Figure: HH1-10 Patterns and Wells**

Cc: John Saxton, NRC Project Manager  
U.S. Nuclear Regulatory Commission  
Mail Stop T-8F5  
11545 Rockville Pike  
Rockville, MD 20852  
Bernadette Baca, NRC Inspector (via e-mail)  
Brian Wood, WDEQ-LQD (via e-mail)  
Theresa Horne, Ur-Energy, Littleton (via e-mail)

