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**LOST CREEK ISR, LLC**

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April 6, 2015

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

**Re: Spill Report DW-WW Line  
Lost Creek ISR Project SUA-1598**

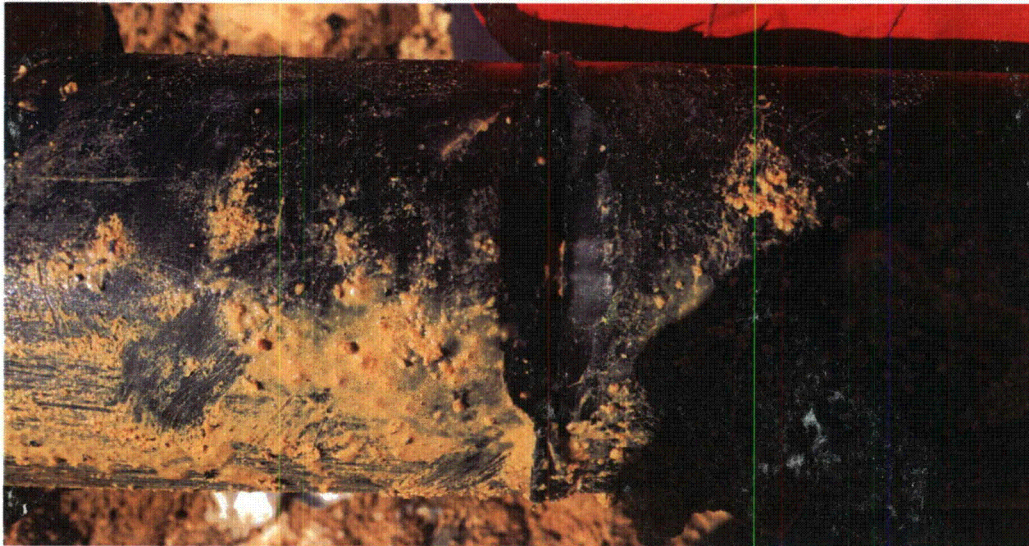
Dear John Saxton,

Pursuant to License Condition 11.6, Lost Creek ISR, LLC ("LCI") hereby provides a written report detailing a release of waste water that was reportable to the Wyoming Department of Environmental Quality. Using the spill report webpage, LCI notified WDEQ of the release on March 6, 2015 (Incident ID 150306-133305). Additionally, LCI notified WDEQ-LQD (Brian Wood) and NRC (John Saxton and Linda Gersey) of the release via email on the same day it was reported to the WDEQ. Spill volume was estimated to be approximately 13,395 gallons. The release occurred west of the Plant due to a rupture in the waste water line to the Class I disposal wells in the NW-SE quarter-quarter of Section 18, T25N, R92W shown on **Figure 1** attached.

A Plant Operator working in the Plant control room noticed the injection pressure had decreased in the waste water injection line that leads to the Class I disposal wells. He alerted another operator who did a visual inspection of the waste water line corridor and discovered a release just outside the Plant perimeter fence. The release was discovered by the Plant operator at approximately 1700hrs on March 5, 2015 originating from the disposal well waste water line west of the Plant. The waste water flow was immediately shut off and the location of the release was immediately excavated and the source of the leak was discovered. The leak originated from an opening (**Figure 2**) at a fusion joint on the poly pipeline due to an unknown cause. Some of the released water was contained within the valve vault near the point of release of which approximately 840 gallons was recovered. Based on data from the Plant computer, the release likely started at approximately 1230hrs on March 5, 2015. The potential volume released estimated at 13,395 gallons was determined by hourly average flow rates from data retrieved from the Plant computer minus the 840 gallons recovered. Fluid released from the line was sampled and analyzed yielding a concentration of natural uranium of 24.9 ppm. A soil sample was collected from the release area to be analyzed for natural uranium and Ra-226.

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**FIGURE 2: Photo of Opening in Pipeline**



Immediate corrective action included:

- Immediate shutdown of waste water flow to the Class I disposal wells.
- Line was repaired and the flow of waste water restored at approximately 1600hrs on March 6, 2015.

No other corrective actions are proposed at this time.

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 1: Release DW-WW Line**

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

