

From: [Kevin Filbert \(USA - Christensen Ranch\)](#)
To: [Linton, Ron](#)
Subject: [External_Sender] Preliminary Release Report for 8S198-1 and 8S199-1
Date: Thursday, July 27, 2017 3:28:29 PM
Attachments: [Release Report for 8S198-1 and 8S199-1.docx](#)
[Google Earth Map of 8S198-1 and 8S199-1 spill.pdf](#)

Dear Mr. Linton,

Attached is a preliminary release report and a pdf mapped area of the spill. A complete report will be mailed to you as soon as the root cause is complete.

If you have any questions, please contact either Scott Schierman or myself.

Sincerely,

Kevin Filbert

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Uranium One USA, Inc. - Willow Creek Project
Spill Report Summary
8S198-1 (Injection) Fluid and 8S199-1 (Production) Fluid Releases

Date and Estimated Time (beginning & end)

From: (unknown date), (unknown time)

To: July 25, 2017, 6:00 p.m.

Location

Christensen Ranch Mine Unit 8-6

Module 8-6

Section 25, Township 45N, Range 77W

Johnson County, Wyoming

(See attached map for detailed location)

Spill Type

ISR Injection fluid from 8S198-1 (No Oxygen, Carbon Dioxide, or Bi-carb added to the water) and ISR Production fluid from 8S199-1. These 2 wells are located approximately 50 feet apart and, upon discovery, it was determined that both wells were contributing to this incident.

Estimated Volume Released and Probable Cause

Spilled: Approximately 5,000 gallons of a combination of injection fluid and production fluid was released from ISR injection well 8S198-1 and production well 8S199-1 into Mine Unit 8-6 and it overflowed onto the surrounding soil. Upon discovery and investigation of injection well 8S198-1, the source of the injection fluid release, it was determined a 1" steel union fitting had corroded and produced an approximate 1/8" hole on the thread portion of the union. The leak detect device was stuck and not operating properly. Upon discovery and investigation of production well 8S199-1, the source of the production fluid release, it was determined that the transition fitting located on the 1" poly pipe had developed a pin hole. The leak detect device was not operating properly as the float end on the device appeared to be busted. Proactive testing of both of these devices was done on March 16, 2017 and at time both devices tested "good". Both leak detect devices have been replaced and tested prior to putting the wells back into service. The union fitting on 8S198-1 has been replaced with a PVC union and the transition fitting on 8S199-1 has been replaced.

Estimated Volume Recovered

No fluid was recovered as the release quickly soaked into the soil.

Spill Analysis Results

A small volume of the released fluid was obtained on July 25, 2017 from both 8S198-1 well box and 8S199-1 well box and those samples were submitted to the Willow Creek on site lab for analysis. The results were as follows:



Google Earth

