

July 7, 2011

**LICENSE SUA-1341
DOCKET NO. 40-8502**

Attn: Document Control Desk
U.S. Nuclear Regulatory Commission
Mr. Keith I. McConnell, Deputy Director
Decommissioning & Uranium Recovery Licensing Directorate
Division of Waste Management & Environmental Protection
Office of Federal and State Materials &
Environmental Management Programs
11545 Rockville Pike
Rockville, MD 20852-2738

**Subject: June 22, 2011 Wellfield Injection Solution Spill
Christensen Ranch Site, Mine Unit 7**

Dear Mr. McConnell:

In accordance with license Sections 12.2 and 9.2 of the referenced license, this letter serves as the written notification for a spill of wellfield injection solution that was reported to the Project Manager/Region IV Branch Chief (Uranium Recovery) by e-mail on June 23, 2011

The details of the spill are included on the attached Spill Report Summary along with a map of the location. Note that no adverse environmental impacts were observed or are anticipated to the environment or public.

Please contact me should you have any questions regarding this report.

Sincerely,



Larry Arbogast
Radiation Safety Officer

cc: John Vaselein
NRC File; Spill Reports

Uranium One Americas, Inc. - Spill Report Summary

Date and Estimated Time (beginning & end)

6-22-2011; from 07:00–0:930

Location

Inject ion Well 7P-73

Section 4, Township 44N, Range 76W

Christensen Ranch Site; Mine Unit 7

Campbell County, Wyoming

Spill Type

Wellfield injection solution

Estimated Volumes

Spilled: 1,500 gallons

Recovered: none (all of the solution soaked into the ground before it could be recovered)

Spill Analysis Results

3.5 mg/l uranium (as U308)

Soil Surveys & Analysis Results

16-17 uR/hour at ground surface of spill area (Ludlum Model 19, Micro R Meter)

16-17 uR/hour at ground surface of surrounding area (background)

No sample collected

Remediation Actions

None taken

Explanation of the Root Cause

A faulty air vent at the wellhead was removed but not replaced at that time. Although the air vent valve was closed when the operator left the site, it somehow partially opened allowing injection solution to spray vertically out of the open well box.

Corrective Actions

Instructed wellfield personnel to shut off flow to a well whenever the air vent is removed and not replaced in a timely manner, unless the valve to the vent can be secured or plugged.

Impacts

No adverse impacts were observed or are anticipated to the environment or the public. No significant erosion resulted from the spill which soaked into an area of ground that covered <0.1 acres. Although some of the spill reached a small dry drainage, it never contacted surface water.

Agency Reporting

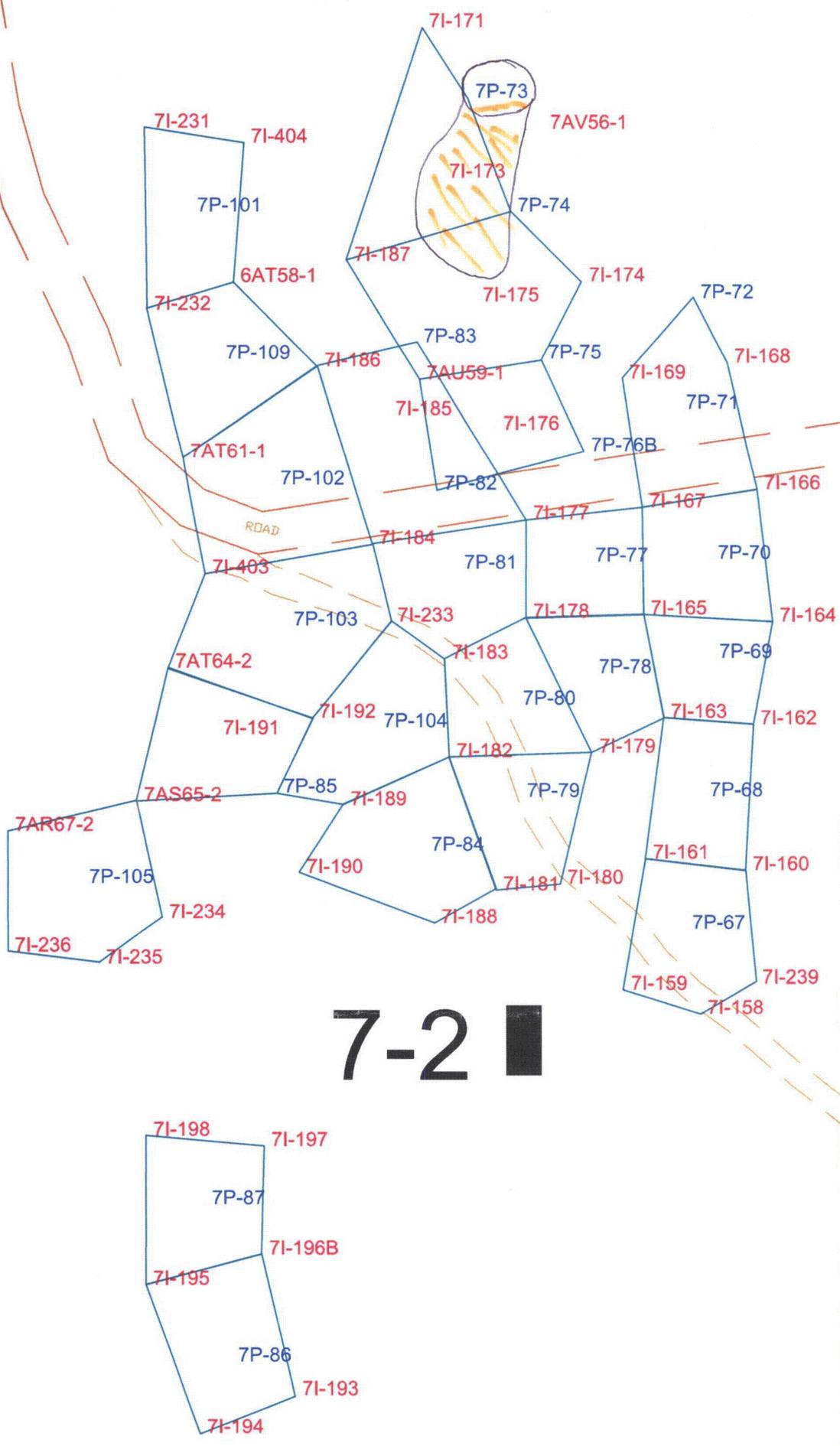
Wyoming DEQ: Glenn Mooney - Permit Coordinator; 6-23-2011 (phone), 6-28-2011 (letter)

NRC: Ron Linton - Project Manager; 6-23-2011 (e-mail)
 Keith McConnell - Deputy Director; 7-7-2011 (letter)

Map of Spill Location and Impacted Area

attached

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VERIFY SCALE
SCALE : 1" = 100'



Christensen Ranch Satellite Project
 Mine Unit 7, Area 2 Detail

Date: 10/25/10	By: CM	Checked:	Approved:	
Rev. No.	Initial Draft	Description	Date	By
0			10/25/10	CM
1		Well Patterns/ID Numbers Update	10/26/10	CM
Project Name: WILLOW CREEK			Figure #	REV 1