

March 28, 2011

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

*Attn: Document Control Desk*

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

**Subject: Monitor Well 4MW 1 on Excursion Status**

Dear Mr. McConnell

As per license Sections 12.2 and 9.2 of the referenced license, this letter serves as the written notification of the excursion status for monitor well 4MW 1 which was reported to the Project Manager Ron Linton and the Region 1V Branch Chief on March 24, 2011 by e-mail.

A routine quarterly water sample collected from 4MW 1 on March 22, 2011 exceeded two of the upper control limits (UCLs). A confirmation sample was collected on March 23, 2011 with two of the UCLs exceeding the limit. Sampling frequency has been increased to weekly, and will continue until 3 consecutive weekly samples indicate that no more than one UCL is exceeded.

4MW1 is a perimeter ore zone monitor well in Mine Unit 4 (MU) at the Christensen Ranch Project. The well is located in the North central portion of the MU, Section 18, T. 44 N., R76 W. Johnson County, Wyoming. Initial corrective pumping will begin as soon as possible with two, adjacent recovery wells in MU 4, the effects of this action will be monitored and modified as required to correct the excursion.

The attached table provides the analytical data for the two samples which confirmed the excursion status of the well.

Should you have any questions concerning this report, please call me at anytime.

Sincerely,

  
Larry Arbogast

Radiation Safety Officer

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FSME21

MONITOR WELL ID 4MW 1

LOCATION:

CHRISTENSEN RANCH MU 4

SAMPLE DATE	CHLORIDE	CONDUCTIVITY	ALKALINITY	Ph	U <sub>3</sub> O <sub>8</sub>
	UCL 11.1mg/l	UCL 825 mmhos	UCL 116.9 mg/l		ppm

3/22/2011	19.5	755	118.9	8.4	<0.4
3/23/2011	19.1	753	117.6	8.3	<0.4