

May 2, 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 5MW 8 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 5MW 8 which was reported to the Project Manger Ron Linton and the Region 1V Branch Chief on April 21, 2011 by e-mail.

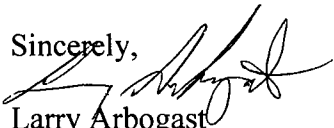
A routine quarterly water sample collected from 5MW8 on April 18, 2011 exceeded two of the upper control limits (UCLs). A confirmation sample was collected on April 19, 2011 again with two of the UCLs exceeding the limit. Sampling frequency has been increased to weekly, and will continue until 3 consecutive weekly samples indicate that no more than one UCL is exceeded.

5MW8 is a perimeter ore zone monitor well in Mine Unit 5 (MU) at the Christensen Ranch Project. The well is located in the South portion of the MU, Section 16, T. 44 N., R76 W. Campbell County, Wyoming. Initial corrective pumping began on April 29, 2011 with one adjacent recovery well in MU 5, the effects of this action will be monitored and modified as required to correct the excursion as quickly as possible.

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.

FEME21

MONITOR WELL ID 5MW 8

LOCATION: CHRISTENSEN RANCH MU 5

SAMPLE DATE	CHLORIDE	CONDUCTIVITY	ALKALINITY	Ph	U <sub>3</sub> O <sub>8</sub>
	UCL 23.0mg/l	UCL 1423 mmhos	UCL 122.5 mg/l		ppm

4/18/2011	25.8	1176	204.7	7.7	<0.4
4/19/2011	34.8	1352	314	7.5	<0.4