



September 18, 2007

**License SUA-1341**  
**Docket No. 40-8502**

Mr. Keith I. McConnell, Deputy Director  
Decommissioning & Uranium Recovery Licensing Directorate  
Division of Waste Management & Environmental Protection  
Office of Federal & State Materials & Environmental Management Programs  
Mail Stop T-8F5  
U.S. Nuclear Regulatory Commission  
11545 Rockville Pike  
Rockville, Maryland 20852-2738

Subject: Monitor Well 4MW 1 on Excursion Status

Dear Mr. McConnell:

As per license Sections 9.2 and 12.2 of the referenced license, this letter serves as the written notification of the excursion status for monitor well 4MW 1 which was reported by telephone on September 6, 2007 to NRC Project Manager Ron Linton and by e-mail to the Region IV Branch Chief on September 7, 2007.

A routine quarterly water sample collected from 4MW 1 on September 4, 2007 exceeded all of the three upper control limits (UCLs). A confirmation sample was collected on September 5, 2007, and again all three UCLs were exceeded. Sampling frequency has been increased to weekly and will continue until three consecutive weekly samples indicate that no more than one UCL is exceeded.

4MW 1 is a perimeter ore zone monitor well in Mine Unit 4 (MU4) at the Christensen Ranch Project. The well is located in the north central portion of MU4, Section 18, T. 44 N, R. 76 W., Johnson County, Wyoming. Initial corrective pumping began on September 10, 2007 from one adjacent recovery well. 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 excursions status for well 4MW 1.

Please call me if your have any questions concerning this report.

Sincerely,

A handwritten signature in cursive script, appearing to read 'T. Arbogast'.

Larry Arbogast  
Radiation Safety Officer

MONITOR WELL ID 4MW 1

LOCATION: CHRISTENSEN RANCH MU 4

SAMPLE DATE	CHLORIDE	CONDUCTIVITY	ALKALINITY	Ph	WATER LEVEL	U <sub>3</sub> O <sub>8</sub>
	UCL 11.1mg/l	UCL 825 mmhos	UCL 116.9 mg/l		ELEV.	
9/4/2007	42.6	875	130.3	8.1	4586.2	<0.4
9/5/2007	40.7	850	126.9	8.1	4586.2	<0.4

JMVEXCEL\ENVIRO.FRMEXCUR.TN