



*1/5  
Please docket*

December 22, 2003

LICENSE SUA-1341  
DOCKET NO. 40-8502

Mr. Gary Janosko  
Chief, Fuel Cycle Facilities Branch  
Mail Stop T-8A33  
Two White Flint North  
11545 Rockville Pike  
Rockville, MD. 20852

**Subject: Monitor Well SSM 8 (IRIGARAY) on Excursion status**

Dear Mr. Janosko:

As per license Section 12.2 and 9.2, this letter serves as the written notification of the excursion status for Irigaray monitor well SSM 8. The excursion was initially reported on December 16, 2003, by E-mail to our Project Manager.

A routine quarterly water sample collected from SSM 8 on December 10, 2003 exceeded all three of its upper control limits (UCLs). A confirmation sample was collected on December 16, 2003 again with all three UCLs at or above limit. Sampling frequency has been increased to weekly, and will continue until 3 consecutive samples indicate that not more than one UCL is exceeded.

SSM 8 is a shallow sandstone monitor well observing the sand section above the mining zone in Production Unit 5 (PU) at the Irigaray Project. The well is located in the south central portion of the PU in Section 9, T.45 N., R.77 W. Johnson County, Wyoming. Production Unit 5 is currently in the post-stabilization phase of restoration, as is all of the Irigaray Project. There has been no well field activity in this area since November 15, 2001.

The attached table provides the analysis data for the two samples which established the excursion status of well SSM 8.

*NMSS01*

Monitor Well SSM 8

Date	Chloride mg/l (UCL 16.6)	Conductivity $\mu$ mhos/cm (UCL 2389)	Alkalinity mg/l (UCL 112.2)	U <sub>3</sub> O <sub>8</sub> mg/l	pH
12/10/03	25.4	2471	123.2	< 0.4	7.9
12/16/03	22.3	2344	112.2	< 0.4	7.9

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

Sincerely,



Tom Nicholson  
Environmental Specialist/RSO

cc: D. Wichers

WP\2003rpt\nrclSSM8\_on.wpd