

July 31, 2015

Ron Linton, Project Manager  
US Nuclear Regulatory Commission  
Decommissioning and Uranium Recovery Licensing Directorate  
Division of Waste Management and Environmental Protection  
Office of Federal and State Materials  
Environmental Management Programs  
11545 Rockville Pike  
Rockville, MD 20852-2738

**RE: Willow Creek ISR Project- Permit to Mine No. 478  
Notification that Monitor Well 2MW84      Electronic Submission Only**

Dear Mr. Linton:

Uranium One is providing written notification that monitor well 2MW84 has exceeded two UCL parameters and Uranium One will provide quarterly reports until the excursion has been mitigated as specified in License Condition 11.2. Please consider this letter written notification of the confirmed excursion status for Monitor Well 2MW84. Uranium One informed Ron Linton by phone that 2MW84 had exceeded two UCL parameters on Thursday July 23, 2015.

**Monitor Well 2MW84**

A routine quarterly sample of Well 2MW84 exceeds two of the three Upper Control Limits (UCLs) on June 31, 2015. A second confirmation sample was taken on July 1, 2015. This sample also exceeded two of the three UCLs, which confirmed the excursion status. In accordance with permit requirements the sampling frequency has been increased to weekly, and will continue until 3 consecutive weekly samples indicate that no more than one UCL is exceeded.

The Corrective Actions implemented by turning on recovery wells near the monitor well 2MW84. Those wells include 2V56-1 (525 feet), 2X60-1 (616 feet) and 2W50-1 (581 feet). These wells are currently pumping at approximately 17 to 20 gallons per minute. The effects of this action will be monitored and modified as required to correct the excursion as quickly as possible.

Table 1 provides the analytical data for the samples which confirmed that two UCL parameters have been exceeded in monitor well 2MW84.

**Table 1: Summary of Monitor Well Results  
MINE UNIT 2  
MONITOR WELL 2MW-84**

SAMPLE DATE	CHLORIDE (UCL 13.6 mg/l)	ALKALINITY (UCL 121.3 µmhos/cm)	CONDUCTIVITY (UCL 823 mg/l)	pH	WATER LEVEL	U <sub>3</sub> O <sub>8</sub> ppm
6/30/2015	17.6	177.4	830	8.1	4545.9	
7/1/2015	17.7	179.5	830	8.1	4544.4	0.13
7/6/2015	16.1	173.3	848	8.3	4541.5	0.16
7/13/15	15.5	169	820	8.1	4539	0.14
7/20/15	15.8	167.4	854	8.1	4540.9	0.20
7/27/15	16.8	157.1	796		4536.5	

If you have any questions or need additional information please contact at (307) 233-6330 or email at [scott.schierman@uranium1.com](mailto:scott.schierman@uranium1.com).

Sincerely,



Scott Schierman  
HSE Manager/RSO