

June 2, 2016

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
Monitor Well 8MW37-A Non-Excursion Status**

Dear Mr. Linton:

Uranium One is providing written notification that monitor well 8MW37-A is no longer on excursion as of May 31, 2016 and has been mitigated as specified in License Condition 11.2. Please consider this letter the monthly report, written notification and confirmation that Monitor Well 8MW37-A is no longer on excursion. Uranium One informed Ron Linton by phone that 8MW37-A had exceeded two UCL parameters on Monday May 2, 2016.

Monitor Well 8MW37-A

A routine bi-weekly sample of Well 8MW37-A exceeded two of the three Upper Control Limits (UCLs) on April 30, 2016. A confirmation sample was taken on May 1, 2016. This sample also exceeded two of the three UCLs, which confirmed the excursion status. In accordance with permit requirements and License Condition 11.2 the sampling frequency was increased to weekly, and will continue until 3 consecutive weekly samples indicate that no more than one UCL is exceeded.

Corrective Actions implemented included operation of recovery wells located near monitor well 8MW37-A to draw back solutions into the wellfield. Those recovery wells utilized included 8AT159-1 (296 feet), 8AS161-1 (236 feet), and 8AT156-1 (380 feet). Pumping continued from 8AT159-1, 8AS161-1 and AT156-1 at about 12-16 gallons per minute. See Table 1 for the weekly UCL parameter sampling results.

The results of the corrective actions have mitigated monitor well 8MW37-A from exceeding two UCL parameters for three consecutive sampling events. Uranium One believes that the pumping of 8AT159-1, 8AS161-1 and 8AT156-1 allowed for the successful lowering of the UCL parameters at 8MW37-A.

As outlined in Chapter 11, Section 12 (d)(i) of the WDEQ/LQD In Situ Mining Rules since the excursion was controlled within 30 days no sample was collected for the parameters listed in DEQ-LQD In Situ Mining Rules (November 2013). Uranium One discussed the need to collect a sample from 8MW37-A with WDEQ/LQD representative Luke McMahan on Tuesday, May 31, 2016 since the excursion was controlled at 30 days and it was determined that the excursion was controlled within 30 days and a sample as required in Chapter 11, Section 12 (d)(i) would not be required.

If you have any questions or would like clarification on any of the information provided please contact at (307) 233-6330 or email at scott.schierman@uranium1.com.

Sincerely,



Scott Schierman
HSE Manager/RSO

**Table 1: Summary of Monitor Well Results
MINE UNIT 8
MONITOR WELL 8MW37-A**

SAMPLE DATE	CHLORIDE (UCL 24.0 mg/l)	CONDUCTIVITY (UCL 951 mg/l)	ALKALINITY (UCL 117.0 µmhos/cm)	pH	WATER LEVEL	U₃O₈ ppm
4/14/16	18.8	949	210.9		4464.4	
4/25/16	18.6	1064	257.5			
4/26/16	19.1	978	257.3			
4/27/16	18.4	1097	256.2			
4/28/16	20.0	1065	266.0			
4/29/16	21.4	1058	264.9	8.1	4448.6	
4/30/16	20.1	1052	260.6	7.7	4446.1	0.39
5/1/16	18.8	969	223.9	7.8	4437.7	0.31
5/5/16	20.2	973	213.7	7.9	4449.1	0.42
5/19/16	18.2	951	204.8	7.6	4442.1	0.38
5/24/16	20.0	939	191.6	7.9	4442.1	0.30
5/31/16	17.0	907	169.1	8.0	4442.4	0.23