

From: [David Rynders](#)
To: [Linton, Ron](#)
Cc: [Rick Kukura \(USA - Casper\)](#); [Scott Schierman \(USA - Casper\)](#)
Subject: [External_Sender] Written Report from Uranium One on monitoring well excursion 4 Jun 2016
Date: Saturday, June 04, 2016 1:22:02 PM
Attachments: [8MW36-A Department of Environmental Quality Final 2 June 2016.doc](#)
[Map of Mod 8-8.pdf](#)

Mr. Linton,

Attached is the written report for 8MW36-A per our license condition 12.2 and 9.2.

Please contact Mr. Scott Shierman by phone at [\(307\) 233-6330](tel:3072336330) or email at scott.schierman@uranium1.com if you have any questions or need additional information in regards to this matter.

David G. Rynders

David G. Rynders, CHP, CSP
Radiation Safety Officer and Site Safety
Uranium 1 Americas

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[Uranium One Inc.](#)

June 2, 2016

Mr. Luke McMahan, Project Geologist
Department of Environmental Quality
Land Quality Division
2100 West Fifth Street
Sheridan, Wyoming 82801

**RE: Willow Creek ISR Project- Permit to Mine No. 478
Notification that Monitor Well 8MW36-A**

Dear Mr. McMahan:

In accordance with WDEQ-LQD Rules and Regulations Chapter 11, Section 12.(a) (ii) this letter serves as the written notification of the confirmed excursion status for Monitor Wells 8MW36-A.

Monitor Well 8MW36-A

A routine biweekly sample of Well 8MW36-A exceeded all three of the three Upper Control Limits (UCLs) on May 31, 2016. A second confirmation sample was taken on June 1, 2016. This sample 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.

Corrective Actions have been begun by turning on production wells in Mine Unit 8, specifically Module 8-8. Those wells are 8AV151-1, 8AU152-1, 8AT156-1, 8AT154-1 and 8AS161-1. This module building is not injecting any mining solution at this time; all injection wells in Unit 8-8 have been confirmed to be turned off. The overall recovery in the 8-8 well field and near to 8MW36-A is 28.0 gallons per minute. The effects of this action will be monitored and modified as required to correct the excursion as quickly as possible.

I have attached a map showing which recoveries well are being used to control the excursion (Map 8-8).

Table 1 provides the analytical data for the samples which confirmed the excursion status of Monitor Well 8MW36-A.

**Table 1: Summary of Monitor Well Results
MINE UNIT 8
MONITOR WELL 8MW36-A**

SAMPLE DATE	CHLORIDE (UCL 24.0 mg/l)	CONDUCTIVITY (UCL 951 µmhos/cm)	ALKALINITY (UCL 117.0 mg/l)	pH	WATER Elevation	U₃O₈ ppm
5-16-2016	25.3	993	245.9	7.7	4478.0	
5-19-2016	29.7	1117	317.2	7.5	4474.8	
5-23-2016	31.0	1194	337.9	7.9	4469.5	
5-31-2016	27.2	1149	323.2	7.5	4464.2	.53
6-1-2016	23.2	1044	276.4	7.6	4469.5	.60

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

Sincerely,

David Rynders
Radiation Safety Officer

Enclosure (1)
Map 8-8

cc: Scott Schierman
Rick Kukura

1- L1160-2
1- L1176-2
1- 8AM1177-1

T.45N R.76W

30

4475.9'

8MW28

4468.3'

8MW37A

4441.1'

8ATT154

8AU154-4439.8

4464.2'

8MW35A

4446.4'

8AU152-2

4462.6'

8AV152-1

Mod 3-8

4465.2'

8MW35A

4474.2'

8MW34B

4478.2'

8MW28

WL data as of 6/2/16

8MW32A

8MW31

8MW30B

8MW29C

