



June 28, 2012

Sent via Certified Mail

Mr. Glenn Mooney, Senior Analyst  
Wyoming Department of Environmental Quality  
Land Quality Division  
2100 West Fifth Street  
Sheridan, Wyoming 82801

**RE: PERMIT TO MINE NO. 478 – Willow Creek Project  
Monthly Excursion Report – Monitor Wells 5AH57-1, 5AV46-1, and 5AG70-1**

Dear Mr. Mooney:

To satisfy the requirements in Chapter 11, Section 12.(e) of the DEQ-LQD In Situ Mining Rules (May 2005) for monthly reporting of monitor wells on Excursion Status, this letter serves as the Monthly Report for Monitor Wells 5AV46-1, 5AH57-1 and 5AG70-1.

**Monitor Wells 5AH57-1, 5AV46-1 and 5AG70-1**

Monitor Wells 5AH57-1, 5AV46-1 and 5AG70-1 are actually historic injection and production wells in the restored Mine Unit 5 wellfield at Christensen Ranch that were put into service as monitor wells for the MU 5-2 activities. These wells are located in the southwestern portion of the Mine Unit in Sections 17 and 20, T. 44 N., R76 W. Campbell County, Wyoming. Monitor Wells 5AH57-1 and 5AV46-1 were confirmed on Excursion Status on April 2, 2012 and reported to you by both telephone and email on April 3, 2012. Monitor Well 5AG70-1 was confirmed on Excursion Status on April 12, 2012 and reported to you by both telephone and email on April 12, 2012.

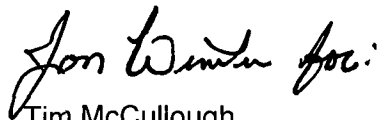
These "Excursions" are limited to areas of the wellfield that were previously mined and restored. Therefore, the ground water that has been impacted is not "native" ground water and is within the Exempted Aquifer area.

Uranium One has assessed the current monitoring plan that uses historic production or injection wells in the restored area and determined that the monitoring plan for this area needs to be revised. Therefore, on May 10, 2012 Uranium One submitted a Non significant Revision (NSR) to the MU-5 Wellfield Data Package to Permit No. 478. The NSR proposed a revised monitoring plan for this area to add additional wells and make the four monitor wells in questions "Trend Wells" thereby removing these wells from Excursion Status. The NSR was approved by the WDEQ-LQD District III office on June 27, 2012. All future monitoring will follow the approved monitoring schedule identified on Table A-2 of the May 10, 2012 NSR. As a result of this approval, this effectively removes the above mentioned wells from excursion status.

The attached table provides the analysis data for the samples taken from Monitor Wells 5AH57-1, 5AV46-1 and 5AG70-1 from November 23, 2011 to June 25, 2012.

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

Thank you,



Tim McCullough  
Manager Site SHE

cc: Bill Kearney  
Larry Arbogast  
Barry Koch  
Rick Kukura  
Ron Linton- NRC

**URANIUM ONE**  
**CHRISTENSEN RANCH**  
**MINE UNIT 5-2**  
**MONITOR WELL 5AV46-1**

<b>SAMPLE DATE</b>	<b>CHLORIDE (UCL 33.3mg/l)</b>	<b>CONDUCTIVITY (UCL 1263 <math>\mu</math>mhos/cm)</b>	<b>ALKALINITY (UCL 424.4 mg/l)</b>	<b>pH</b>	<b>WATER LEVEL</b>	<b>U<sub>3</sub>O<sub>8</sub> ppm</b>
11/28/2011	16.8	976	322.7	7.3		5.4
12/6/2011	16.2	1018	313.4	7.3		5.0
12/14/2011	18.0	969	339.0	7.2		4.9
12/19/2011	19.2	1070	343.4	7.2		7.1
12/27/2011	22	1101	368	7.2		8.1
1/5/2012	18.0	1015	330	6.9		7.4
1/18/2012	18	1000	323.5	7.1		6.4
2/1/2012	22.3	1012	410.7	7.3		6.9
2/16/2012	17.3	961	308	7.6	4453.6	6.1
2/29/2012	18.5	893	284.4	7.4	4449.3	
3/13/2012	19.7	1005	315	7.4	4456.4	
<b>3/29/2012</b>	<b>33.3</b>	<b>1450</b>	<b>459.8</b>	<b>7.6</b>	<b>4425.5</b>	<b>13.7</b>
4/2/2012	26	<b>1320</b>	386.3	7.3	4435.5	12.2
<b>4/3/2012</b>	31.6	<b>1373</b>	<b>459.9</b>	7.4	4419.1	12.4
<b>4/9/2012</b>	<b>35.3</b>	<b>1414</b>	<b>495.9</b>	7.3	4422.4	13.2
<b>4/16/2012</b>	32.8	<b>1430</b>	<b>460.2</b>	7.1	4435.3	13.9
<b>4/23/2012</b>	31.1	<b>1315</b>	<b>428.9</b>	6.7	4427.2	12.6
<b>4/30/2012</b>	30.9	<b>1376</b>	<b>445.5</b>	7.2	4451	13.1
<b>5/7/2012</b>	<b>45.9</b>	<b>1710</b>	<b>568.4</b>	7	4432.2	15.9
<b>5/14/2012</b>	<b>37.9</b>	<b>1544</b>	<b>488.1</b>	7	4425	10.8
<b>5/21/2012</b>	<b>39.9</b>	<b>1667</b>	412.8	7.4	4425.8	17
<b>5/29/2012</b>	<b>42.9</b>	<b>1744</b>	<b>577.4</b>	6.9	4427.9	16.6
<b>6/4/2012</b>	<b>43.9</b>	<b>1759</b>	<b>583.7</b>	7.1	4427.4	18.8
<b>6/11/2012</b>	<b>53.6</b>	<b>1984</b>	<b>655.3</b>	6.9	4418.8	22.7
<b>6/18/2012</b>	<b>58.2</b>	<b>2152</b>	<b>725</b>	7.1	4422.4	26.4
<b>6/25/2012</b>	<b>61.9</b>	<b>2358</b>	<b>779.8</b>	7	4431.1	29.8

**URANIUM ONE**  
**CHRISTENSEN RANCH**  
**MINE UNIT 5-2**  
**MONITOR WELL 5AG-70-1**

Sample Date	CHLORIDE (UCL 78.2mg/l)	CONDUCTIVITY (UCL 3014 µmhos/cm)	ALKALINITY (UCL 1049.3 mg/l)	pH	WATER LEVEL	U <sub>3</sub> O <sub>8</sub> ppm
11/23/2011	55.4	2847	937.7	6.7	4442.7	7.1
11/28/2011	64	2833	987	6.7	4443.7	7.5
12/5/2011	62.9	2776	977.9	6.7	4440.2	7.1
12/14/2011	62	2753	951.0	6.7	4442.9	4.3
12/19/2011	64.5	2753	945	6.8	4442.5	7.9
12/27/2011	66	2716	948	6.8	4442.9	7.8
1/5/2012	67.5	2715	939	6.7	4443.0	7.6
1/18/2012	63	2744	935	6.9	4443.4	7.2
2/16/2012	55.3	2661	938	7.2	4443.3	
2/29/2012	58.6	2700	891	6.9	4441.2	
3/13/2012	57.6	2734	916	7.1	4442	
3/29/2012	70	3230	1028	6.8	4465.1	
4/10/2012	74.5	3220	1077.5	7	4445.4	10.0
4/11/2012	75	3180	1110.5	6.9	4445.1	9.7
4/16/2012	82	3170	1158.5	6.7	4443.7	9.9
4/23/2012	97	3240	1128	6.7	4452.5	10.7
4/30/2012	75	3250	1119.5	6.7	4456.8	10.5
5/7/2012	80.0	3300	1147.5	6.7	4451.5	11.0
5/14/2012	81.5	3300	1136.5	6.7	4458.1	14.7
5/21/2012	78	3300	1074.5	7	4456.9	11.0
5/29/2012	80.5	3270	1166.5	6.6	4451.8	9.2
6/4/2012	77	3240	1148.5	6.7	4467.2	8.8
6/11/2012	80.5	3230	1139.5	6.6	4465.1	10.2
6/18/2012	80	3260	1145.5	6.8	4463.5	11.7
6/25/2012	79	3260	1132	6.8	4469.1	11.4

**URANIUM ONE**  
**CHRISTENSEN RANCH**  
**MINE UNIT 5-2**  
**MONITOR WELL 5AH57-1**

<b>SAMPLE DATE</b>	<b>CHLORIDE (UCL 32.9mg/l)</b>	<b>CONDUCTIVITY (UCL 1126 µmhos/cm)</b>	<b>ALKALINITY (UCL 378.4 mg/l)</b>	<b>pH</b>	<b>WATER LEVEL</b>	<b>U<sub>3</sub>O<sub>8</sub> ppm</b>
12/19/2011	17.5	1025	331.5	6.8		6.1
12/27/2011	17.5	1040	333.0	6.5		5.5
1/3/2012	20.3	1034	336.5	6.5		4.7
1/9/2012	16.2	1035	320.4	6.5		4.0
1/18/2012	18	990	311.5	6.4		3.8
2/1/2012	18.9	1001	315.6	6.7		4.8
2/16/2012	11.9	709	214.5	7.0	4426	1.7
2/29/2012	17.3	883	267	7.0	4426.7	
3/13/2012	18.8	979	294	6.8	4428	
3/29/2012	39.2	1814	534.8	6.8	4427.2	10.9
4/2/2012	28.7	1584	485.8	6.9	4420	8.6
4/9/2012	29	1432	478.8	6.9	4438.9	6.8
4/16/2012	29.5	1417	470.8	7.1	4420.9	6.8
4/23/2012	24.2	1475	473.5	6.6	4425.6	7.9
4/30/2012	27	1398	452.5	7	4434.6	7.6
5/7/2012	32.2	1576	515.4	6.6	4422.6	9.3
5/14/2012	32.4	1554	488.5	6.7	4420.9	8.8
5/21/2012	29.4	1633	470.1	7	4427.3	9.1
5/29/2012	34.6	1672	547.1	6.8	4432.9	7.4
6/4/2012	31.6	1585	517.8	6.8	4438.2	12.5
6/11/2012	37.9	1707	550.4	6.6	4432.2	9.4
6/18/2012	38.2	1765	570.7	6.9	4433.5	9.2
6/25/2012	36.9	1737	553.1	6.9	4440.2	12.1