



January 17, 2011

**LICENSE SUA-1341  
DOCKET NO. 40-8502**

Attn: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Mr. Keith I. McConnell, Deputy Director  
Decommissioning & Uranium Recovery Licensing Directorate  
Division of Waste Management & Environmental Protection  
Office of Federal & State Materials & Environmental Management Programs,  
11545 Rockville Pike  
Rockville, MD 20852-2738

**RE: Quarterly Progress Report of Monitor Wells on Excursion Status – 4th Qtr. 2010.**

Dear Mr. McConnell:

This letter serves as the progress report required by License Sections 11.2 and 12.2, for all of Uranium One U.S.A., Inc Wyoming operation wells on excursion status through the end of the fourth quarter of 2010. Uranium One had one well on excursion status at the Christensen Ranch project site during the past quarter.

At Christensen Ranch, well 5MW66 remained on excursion status through December, 2010. By letter dated March 18, 2010 the WDEQ-LQD District III has requested Uranium One place 5MW66 back to excursion status as per chapter 11, sec.12 of the Wyoming Land Quality Rules & Regulations. As a result of this action Uranium One will follow the provisions of our License Condition 11.2 & 12.2. 5MW66 is being sampled on a weekly basis and will continue until three consecutive weekly samples show no more than one upper control limit (UCL) is exceeded. Uranium One submitted a corrective action to the WDEQ on November 9, 2010. The plan consisted of continuously pumping two wells in MU-5 along with 5MW66. The wells are located north and south of 5MW66. Each well is being pumped at a rate of 5 gpm. and 5MW66 is pumping 10 gpm.

The attached Table shows the sample analysis for 5MW66.

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

Sincerely,

Larry Arbogast  
Radiation Safety Officer

FSME21

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MONITOR WELL ID 5MW 66

LOCATION: CHRISTENSEN RANCH MU 5

SAMPLE DATE	CHLORIDE	CONDUCTIVITY	ALKALINITY	Ph	WATER LEVEL	U <sub>3</sub> O <sub>8</sub>
	UCL 22.7mg/l	UCL 1004 mmhos	UCL 134.3 mg/l		ELEV.	ppm
3/24/2010	37	1407	259.1	7.5	4635	2.6
* 3/31/2010						
4/6/2010	38.2	1405	319	7.4	4635.2	2.7
* 4/14/2010						
4/21/2010	36.2	1400	297.8	7.4	4635.7	2.26
4/27/2010	38.3	1386	306.4	7.5	4635.2	2.2
* 5/5/2010						
5/11/2010	37.2	1392	335.2	7.2	4635	2.2
* 5/18/2010						
5/25/2010	40	1394	352.8	7.1	4634	2.3
6/3/2010	42	1383	360.2	7.2	4634.5	2.2
6/9/2010	35.2	1380	328.2	7.3	4634	2.1
6/15/2010	36.2	1371	314.2	7	4632.6	2
6/21/2010	43.8	1378	318.8	6.9	4634.1	2.1
6/29/2010	35.8	1412	327.4	6.8	4635.3	2.5
7/7/2010	36.2	1397	313.8	7.2	4633.3	2.2
7/12/2010	36.6	1385	324.4	7.1	4633.5	2.2
7/20/2010	31.6	1386	309.2	7.2	4631.9	2.1
7/27/2010	38	1395	322.4	7.3	4631.4	1.8
8/3/2010	34.8	1384	346	7.4	4631.9	2.1
8/9/2010	37.2	1393	348	7.6	4634.7	1.9
8/18/2010	34.4	1394	328.2	6.9	4632.6	2.1
8/25/2010	38.2	1391	370.2	6.8	4633.3	2.5
8/31/2010	38.4	1379	352	7	4632.6	2
9/9/2010	37.6	1378	360.6	7.3	4631.5	2.2
9/13/2010	37.2	1386	348.2	7.4	4631.9	2.1
9/22/2010	36.6	1382	356.8	7.8	4630.8	1.9
9/28/2010	32.6	1376	317.8	7.3	4633.3	2.2
10/6/2010	33.9	1380	345	7	4632.5	2
10/13/2010	38.6	1371	363.4	7.3	4629.5	2.1
10/19/2010	36.6	1378	350.4	7.2	4629.5	2.8
10/27/2010	36	1370	334.8	7.3	4633.8	2.2
11/2/2010	33	1370	320.4	7.4	4622.7	1.8
11/9/2010	31.8	1372	312.4	7.1	4630.5	1.8
11/16/2010	32.6	1330	320.8	6.8	4622.4	2.3
11/22/2010	32.6	1360	315	6.9	4623.6	2
11/29/2010	32.6	1350	328	6.9	4629.4	1.9
12/8/2010	25.6	1162	134.3	7	NA	1.9
12/13/2010	25.2	1132	195.3	7.1	NA	0.95
12/20/2010	25.2	1112	192.4	7.1	NA	0.9
12/28/2010	27.8	1091	185.2	7.1	NA	0.57