



April 28, 2010

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

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,
Washington, DC 20555-0001
Mail Stop T-8-F5
U.S. Nuclear Regulatory Commission
11545 Rockville Pike
Rockville, Maryland 20852-2738

RE: Quarterly Progress Report of Monitor Wells on Excursion Status – 1st 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 first quarter of 2010.

Uranium One had two wells on excursion status at the Christensen Ranch project site during this past quarter. At Christensen Ranch, well 5MW66 remained on excursion status through March, 2010. On March 2, 2005 Mr. Mark Taylor - WDEQ Project Manager for Irigaray & Christensen Ranch provided his acceptance of our December 9, 2004 proposal for release from excursion status for this well. By letter dated March 18, 2010 the WDEQ-LQD District III has requested Uranium One place 5MW 66 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.

Also monitor well 2MW 89 was terminated from excursion status on February 16, 2010 when three consecutive weekly samples shown that the excursion was not exceeding more than one Upper Control Limit. A termination report was sent to the NRC on February 19, 2010.

The attached Table shows the sample analysis of 5MW66 and 2MW 89.

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

Sincerely,

Larry Arbogast
Radiation Safety Officer

cc: Jon Winter Uranium One

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MONITOR WELL ID 5MW 66

LOCATION: CHRISTENSEN RANCH MU 5

SAMPLE DATE	CHLORIDE	CONDUCTIVITY	ALKALINITY	Ph	WATER LEVEL	U ₃ O ₈
	UCL 22.7mg/l	UCL 1004 mmhos	UCL 134.3 mg/l		ELEV.	
1/12/2010	37.6	1411	358	7.2	4635.9	<0.4

MONITOR WELL ID 2MW 89

LOCATION: CHRISTENSEN RANCH MU 2

SAMPLE DATE	CHLORIDE	CONDUCTIVITY	ALKALINITY	Ph	WATER LEVEL	U ₃ O ₈
	UCL 13.6mg/l	UCL 823 mmhos	UCL 121.3 mg/l		ELEV.	
12/15/2009	15.4	765	135.5	8.1	4574	<0.4
12/16/2009	15.3	764	136.6	7.7	4574	<0.4
12/21/2009	16.3	772	142.1	7.8	4573.7	<0.4
12/28/2009	15.1	775	158.4	8.1	4573.6	<0.4
1/4/2010	15.3	777	157.9	8.1	4573.9	<0.4
1/11/2010	16.1	771	157.4	8.1	4570.5	<0.4
1/18/2010	15.1	758	135.9	8	4556.9	<0.4
1/25/2010	13.9	755	125.6	8.2	4545.3	<0.4
2/1/2010	13.6	726	110	8	4550.1	<0.4
2/8/2010	13.3	720	112.8	8	4549.9	<0.4
2/16/2010	13.6	711	99.9	8	4547.6	<0.4