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July 20, 2015

Document Control Desk
Nuclear Regulatory Commission
Washington, D.C. 20555-001

**RE: 7-day Notification of Excursion at MU-104
Lost Creek ISR Project PT788**

To Whom It May Concern,

In accordance with License Condition 11.5, this letter serves as written notification of the verification of a vertical excursion at the Lost Creek ISR Project for monitor well MU-104 in follow up to email notification submitted on July 15, 2015. The excursion was confirmed on July 14, 2015 by verification sample analysis. The location of the well is provided on the attached figure "HH1-10 Patterns and Wells". This notification provides the following information:

- *Analytical data and trends of the monitor well on excursion*

The following table and chart provides recent data from 2015 to reveal the trends of the Upper Control Limit (UCL) parameters:

Well ID	Collection Date	Alkalinity (mg/L)			Chloride (mg/L)			Sp. Cond. (µS/cm)		
		Assay	UCL	% Diff	Assay	UCL	% Diff	Assay	UCL	% Diff
MU-104	1/8/2015	102	159	-36	5.7	21	-73	455	572	-21
MU-104	1/21/2015	102	159	-36	5.4	21	-74	419	572	-27
MU-104	2/4/2015	102	159	-36	5.2	21	-75	431	572	-25
MU-104	2/19/2015	103	159	-35	5.7	21	-73	474	572	-17
MU-104	3/9/2015	101	159	-37	5.4	21	-74	477	572	-17
MU-104	3/27/2015	104	159	-34	5.4	21	-74	461	572	-19
MU-104	4/10/2015	108	159	-32	6.0	21	-71	484	572	-15
MU-104	4/22/2015	104	159	-35	6.0	21	-71	472	572	-18
MU-104	5/7/2015	105	159	-34	5.3	21	-75	477	572	-17
MU-104	5/21/2015	105	159	-34	5.3	21	-75	474	572	-17
MU-104	6/4/2015	100	159	-37	5.5	21	-74	464	572	-19
MU-104	6/24/2015	99	159	-38	7.1	21	-66	507	572	-11
MU-104	7/9/2015	174	159	9	48.9	21	130	783	572	37
MU-104	7/13/2015	221	159	39	56.2	21	164	934	572	63

Italics indicates the % difference is between 0 and the 20%.

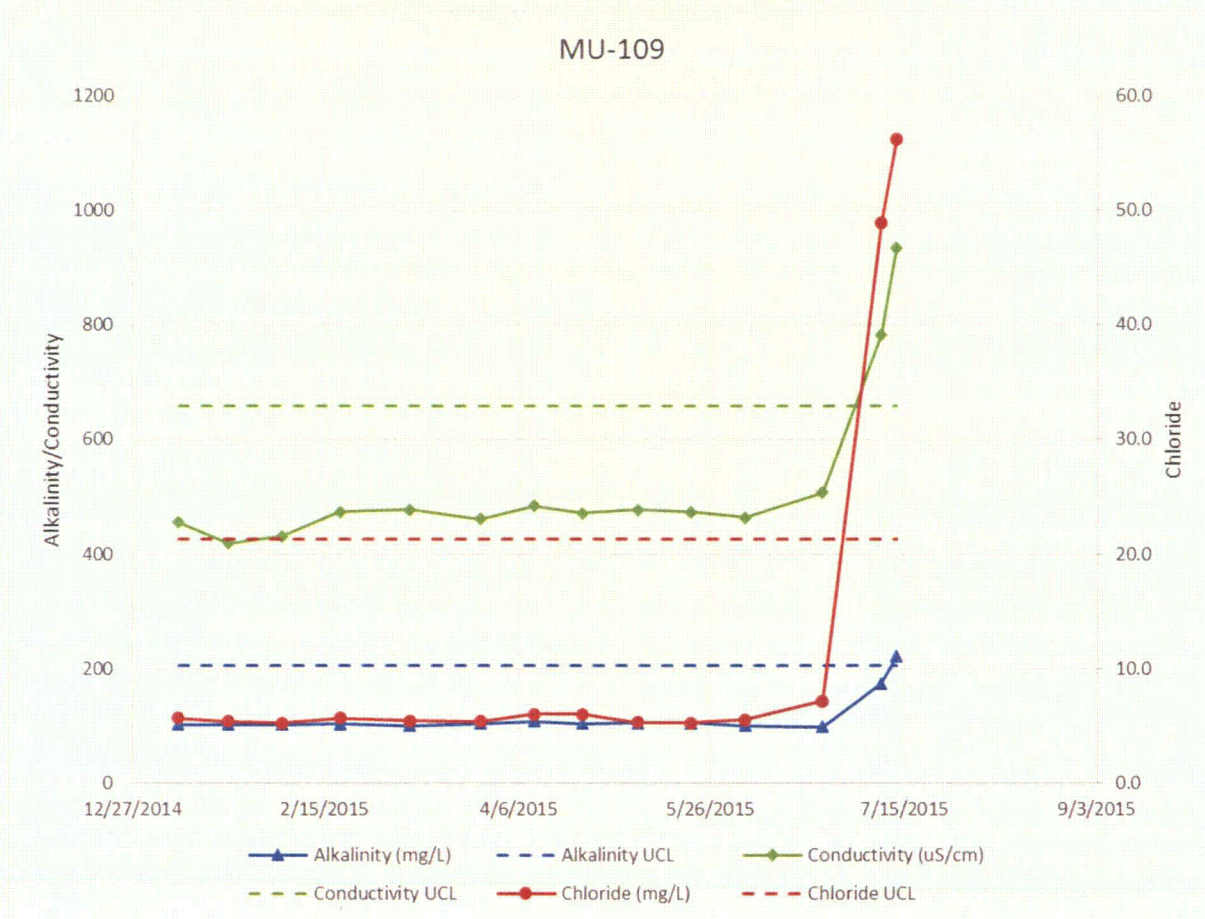
Bold italics indicates the % difference is greater than the 20% threshold.

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NUM5501



- *The reason for the excursion*

The reason for the excursion is unknown at this time but is under investigation. Current investigation includes:

- Historic borehole records are being reviewed to determine if there was potential for vertical migration through abandoned exploration drill holes;
- The area stratigraphy from geophysical logs is being reviewing to determine if there are any geologic anomalies.

- *Actions to be taken to recover the excursion*

Injection in the area was reduced by shutting off injection wells 1I404, 1P347, and 1I406B and reducing the injection rate of 1I642, 1I643, 1I407, and 1I408 (see attached map). The effects of the adjustments will not be known until the next sample is collected and analyzed. Sampling will be conducted on a weekly basis until the excursion is recovered.

Please contact me at the Casper office if you have any questions regarding this submittal.

Regards,



Michael D. Gaither
Manager EHS and Regulatory Affairs
Ur-Energy USA, Inc.

Attachments: Figure as stated

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