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## LOST CREEK ISR, LLC

July 28, 2015

NRC Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

**Re: Semi-Annual Reporting Pursuant to License Condition 11.1(B)  
1st Half 2015  
Lost Creek ISR Project, License SUA-1598**

To Whom It May Concern:

The following semi-annual report has been submitted in accordance with License Condition 11.1(B) for Lost Creek ISR, LLC's (LCI) Lost Creek ISR Project (LC-ISR) License SUA-1598. License Condition 11.1(B) requires semi-annual reporting of:

- Status of production areas in operation,
- Status of production areas in restoration,
- Status of any long-term excursions, and
- A summary of Mechanical Integrity Testing (MIT) of wells.

The reporting period for this report is January 1 through June 30, 2015.

### **Status of Production Areas in Operation**

By the end of the reporting period, ten (10) header houses were in operation as approved by Wyoming Department of Environmental Quality – Land Quality Division (WDEQ-LQD). The following table (**Table 1**) provides a status of production for operating mine units as of the end of the reporting period:

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**Table 1: Operational Status Summary**

Mine Unit	Header Houses	Status	Start Date	Average Number Wells Injecting*	Average Number Wells Producing*
Mine Unit 1	HH1-1	In Operation	02Aug2013	25	10
	HH1-2	In Operation	15Aug2013	28	11
	HH1-3	In Operation	18Sep2013	34	12
	HH1-4	In Operation	04Feb2014	40	11
	HH1-5	In Operation	11Mar2014	29	12
	HH1-6	In Operation	16Jul2014	45	13
	HH1-7	In Operation	11Dec2014	42	19
	HH1-8	In Operation	10Jan2015	37	19
	HH1-9	In Operation	12Feb2015	43	22
	HH1-10	In Operation	18Jun2015	53	22
Mine Unit 2	N/A	Not constructed	N/A	N/A	N/A
Mine Unit 3	N/A	Not constructed	N/A	N/A	N/A

*\*Average number of operating wells per reporting period*

### Status of Production Areas in Restoration

No restoration activities had been initiated during the reporting period.

### Long-Term Excursions

One well MU-109 was placed on excursion status on May 27, 2015 as described in the Quarterly Excursion Monitoring Report for the second quarter of 2015. It had not yet been determined if it was long-term (i.e. greater than 60 days) as of the end of the reporting period.

### Summary of MITs

During the 1st half of 2015 a total of 115 MITs were performed. MITs were performed in accordance with the approved Permit Operations Plan Section 3.4. Results are summarized on **Attachment I**. The MITs resulted in 101 successful tests with 14 failures. Wells with failed tests were managed with one of the following actions:

- Well was repaired and retested with a successful test;
- Well was swabbed and retested with a successful test; or
- Well was or will be plugged and abandoned.

Of the 14 failures, retests resulted in 8 passing tests typically following the swabbing of the well. Of the 6 net failed tests, 3 wells were plugged and abandoned and 1 well is to be plugged and abandoned in accordance with procedures described in the approved License Application Technical Report Section 6.3.2.

If you have any questions regarding this letter or require additional information please feel free to contact me at the Casper office.

Sincerely,



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

Attachments: **Attachment 1: Mechanical Integrity Testing**

Cc: Deputy Director, Decommissioning and Uranium Recovery Licensing Directorate  
Division of Waste Management and Environmental Protection  
Office of Federal and State Materials and Environmental Management Programs  
U.S. Nuclear Regulatory Commission  
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John Saxton, NRC Project Manager (via e-mail)  
Brian Wood, WDEQ-LQD, Lander (via e-mail)  
Theresa Horne, Ur-Energy, Littleton (via e-mail)

**Attachment 1: Mechanical Integrity Testing**  
**1st Half 2015**  
**Lost Creek ISR Project SUA-1598**

	Well ID	Well Type	MIT <sup>(1)</sup> Date	P/F	P&A <sup>(2)</sup> Date	Comments
1	11178	I	1/19/2015	Fail	4/29/2015	
2	11178A	I	2/10/2015	Pass		
3	11297A	I	2/11/2015	Pass		
4	11428A	I	1/19/2015	Pass		
5	11433A	I	1/19/2015	Pass		
6	11436A	I	1/19/2015	Pass		
7	11436A	I	1/21/2015	Pass		Retested after being swabbed.
8	11445A	I	1/19/2015	Fail		
9	11445A	I	1/20/2015	Pass		Retest after swab.
10	11450	I	2/2/2015	Pass		
11	11451	I	3/30/2015	Pass		
12	11452	I	1/19/2015	Pass		
13	11453	I	1/19/2015	Pass		
14	11454	I	2/2/2015	Pass		
15	11455	I	3/30/2015	Fail		
16	11455	I	4/1/2015	Pass		
17	11456	I	1/12/2015	Pass		
18	11457	I	1/12/2015	Pass		
19	11458	I	1/15/2015	Pass		
20	11459	I	1/16/2015	Pass		
21	11460	I	1/23/2015	Pass		
22	11461	I	2/2/2015	Pass		
23	11462	I	1/20/2015	Pass		
24	11463	I	1/21/2015	Pass		
25	11464	I	1/27/2015	Pass		
26	11465	I	1/20/2015	Pass		
27	11466	I	1/22/2015	Fail		
28	11466	I	2/5/2015	Pass		Retest after swab.
29	11467	I	1/27/2015	Pass		
30	11468	I	1/21/2015	Pass		
31	11469	I	1/30/2015	Pass		
32	11470	I	1/29/2015	Pass		
33	11471	I	1/30/2015	Pass		
34	11472	I	1/30/2015	Pass		
35	11473	I	1/30/2015	Pass		
36	11474	I	1/29/2015	Pass		
37	11475	I	1/29/2015	Pass		
38	11476	I	1/29/2015	Pass		
39	11477	I	1/28/2015	Pass		
40	11478	I	1/29/2015	Pass		
41	11479	I	1/14/2015	Pass		
42	11482	I	1/15/2015	Fail		
43	11482	I	1/20/2015	Fail	5/5/2015	Retest after swab, unsuccessful.
44	11482A	I	4/1/2015	Pass		
45	11483	I	1/12/2015	Fail		
46	11483	I	1/15/2015	Pass		Retest after swab.
47	11485	I	1/28/2015	Pass		
48	11486	I	2/6/2015	Pass		
49	11487	I	3/30/2015	Pass		

**Attachment 1: Mechanical Integrity Testing**  
**1st Half 2015**  
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	Well ID	Well Type	MIT <sup>(1)</sup> Date	P/F	P&A <sup>(2)</sup> Date	Comments
50	11488	I	1/14/2015	Pass		
51	11492	I	2/6/2015	Fail		
52	11492	I	2/11/2015	Pass		Retest after swab.
53	11493	I	2/3/2015	Pass		
54	11495	I	2/10/2015	Pass		
55	11496	I	2/3/2015	Pass		
56	11497	I	1/13/2015	Pass		
57	11500	I	1/13/2015	Pass		
58	11539	I	1/27/2015	Pass		Retest after drill string sent down hole.
59	11548	I	1/16/2015	Pass		
60	11549	I	1/16/2015	Pass		
61	11551	I	2/4/2015	Pass		
62	11572	I	2/4/2015	Pass		Damaged well. Retest after repair.
63	11623	I	1/22/2015	Pass		
64	11638	I	3/30/2015	Fail		
65	11638	I	4/2/2015	Pass		
66	11639	I	2/6/2015	Pass		
67	11640	I	1/12/2015	Pass		
68	11648	I	2/3/2015	Pass		
69	11649	I	1/13/2015	Pass		
70	11658	I	2/6/2015	Pass		
71	1P168	P	4/7/2015	Pass		
72	1P191	P	1/23/2015	Pass		Tested well after it was struck.
73	1P212	P	1/30/2015	Pass		
74	1P235	P	2/10/2015	Pass		
75	1P236	P	1/13/2015	Pass		
76	1P237	P	4/1/2015	Fail		
77	1P237	P	4/2/2015	Fail	TBA	Second test
78	1P237A	P	4/8/2015	Pass		
79	1P238	P	3/31/2015	Pass		
80	1P239	P	1/21/2015	Pass		
81	1P240	P	1/27/2015	Fail		
82	1P240	P	2/5/2015	Pass		Retest after swab.
83	1P241	P	1/28/2015	Pass		
84	1P242	P	3/31/2015	Pass		
85	1P243	P	4/1/2015	Pass		
86	1P244	P	3/31/2015	Pass		
87	1P261	P	1/14/2015	Pass		
88	1P265	P	4/2/2015	Pass		
89	1P266	P	1/30/2015	Pass		
90	1P267	P	1/28/2015	Pass		
91	1P268	P	1/22/2015	Pass		
92	1P269	P	1/21/2015	Pass		
93	1P270	P	1/30/2015	Pass		
94	1P297	P	3/30/2015	Pass		
95	1P298	P	1/12/2015	Pass		
96	1P299A	P	2/3/2015	Pass		
97	1P300	P	1/14/2015	Pass		
98	1P333	P	2/6/2015	Pass		

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	Well ID	Well Type	MIT <sup>(1)</sup> Date	P/F	P&A <sup>(2)</sup> Date	Comments
99	1P335	P	1/22/2015	Fail		
100	1P335	P	2/4/2015	Pass		
101	1P341	P	2/2/2015	Pass		
102	1P344	P	1/13/2015	Fail	5/5/2015	Retest after swab. No improvement.
103	1P344A	P	3/31/2015	Pass		
104	1P345	P	2/4/2015	Pass		
105	1P350	P	1/15/2015	Pass		Retest after well fixed at 3 ft.
106	1P352	P	2/6/2015	Pass		
107	1P353	P	1/16/2015	Pass		
108	1P355	P	2/4/2015	Pass		Retest after swab.
109	1P356	P	2/3/2015	Pass		
110	1P357	P	2/3/2015	Pass		
111	HJMP108	M	4/8/2015	Pass		
112	IP350	P	1/15/2015	Pass		Well fixed at 3 ft.
113	M-M2	M	4/7/2015	Pass		
114	PW101	M	4/14/2015	Pass		
115	PW102	M	3/31/2015	Pass		Retest after drill string sent down hole.

101 Pass  
14 Fails  
6 Net Fails  
115 Total MITs  
106 Wells Tested  
4 Wells Failed

(1) MIT method for "Monitoring Wells" as described in NRC License Application Technical Report Section 3.2.5. Test performed by using packer(s) to isolate casing interval and then pressurize well.

(2) Plugging and abandonment (P&A) performed according to NRC License Application Technical Report Section 6.3.2

TBA = To be abandoned

I = Class III Injection Well

P = Class III Production Well

M = Monitor Well

T = Pump Test Well