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LOST CREEK ISR, LLC

July 26, 2017

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

40-9068

**Re: Semi-Annual Reporting Pursuant to License Condition 11.1(B)
1st Half 2017
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, 2017.

Status of Production Areas in Operation

During the reporting period, thirteen (13) 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:

NMSSD1
NMSS

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	8/2/2013	6	1
	HH1-2	In Operation	8/15/2013	22	4
	HH1-3	In Operation	9/18/2013	34	6
	HH1-4	In Operation	2/4/2014	37	6
	HH1-5	In Operation	3/11/2014	20	6
	HH1-6	In Operation	7/16/2014	19	7
	HH1-7	In Operation	12/11/2014	39	8
	HH1-8	In Operation	1/10/2015	39	11
	HH1-9	In Operation	2/12/2015	44	13
	HH1-10	In Operation	6/18/2015	52	16
	HH1-11	In Operation	9/2/2015	50	18
	HH1-12	In Operation	11/17/2015	47	17
	HH1-13	In Operation	5/25/2016	43	22
Mine Unit 2	HH2-1	Under const.	N/A	N/A	N/A
	HH2-2	Under const.	N/A	N/A	N/A
	HH2-3	Under const.	N/A	N/A	N/A
	HH2-4	Not constructed	N/A	N/A	N/A
Mine Unit 3	N/A	Not constructed	N/A	N/A	N/A

*Average number of wells in operation per the reporting period

Status of Production Areas in Restoration

No restoration activities had been initiated during the reporting period.

Long-Term Excursions

No wells were on excursion status during the reporting period.

Summary of MITs

During the reporting period, a total of 111 MITs were performed in accordance with the approved NRC License Application Technical Report Section 3.2.5. Results are summarized on **Attachment I**. The MITs resulted in 107 successful tests with 4 failures. Several of the MITs

conducted during the period were associated with a 5-year retest and the majority were for newly constructed wells in MU2. The 4 wells that failed were MU2 wells that were subsequently abandoned or will be abandoned. One well (2M1229) was damaged during swabbing after the MIT had been done and was abandoned and replaced.

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, Division of Decommissioning,
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John Saxton, NRC Project Manager (via e-mail)
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**Attachment 1: Mechanical Integrity Testing
1st Half 2017
Lost Creek ISR Project SUA-1598**

	Well ID	Well Type	MIT ⁽¹⁾ Date	P/F	P&A ⁽²⁾ Date	Comments
1	1I104	I	3/24/2017	Pass	---	5 year MIT
2	1I112	I	3/30/2017	Pass	---	5 year MIT
3	1I114	I	3/27/2017	Pass	---	5 year MIT
4	1I115	I	3/29/2017	Pass	---	5 year MIT
5	1I116	I	3/30/2017	Pass	---	5 year MIT
6	1I121	I	3/29/2017	Pass	---	5 year MIT
7	1I124	I	3/22/2017	Pass	---	5 year MIT
8	1I125	I	3/22/2017	Pass	---	5 year MIT
9	1I126	I	3/28/2017	Pass	---	5 year MIT
10	1I127	I	3/28/2017	Pass	---	5 year MIT
11	1I128	I	3/28/2017	Pass	---	5 year MIT
12	1I135	I	3/28/2017	Pass	---	5 year MIT
13	MP112	I	3/29/2017	Pass	---	5 year MIT
14	2M1003	I	5/31/2017	Pass	---	
15	2M1005	P	6/7/2017	Pass	---	
16	2M1006	I	5/31/2017	Pass	---	
17	2M1007	I	5/31/2017	Pass	---	
18	2M1008	I	5/31/2017	Pass	---	
19	2M1009	P	6/13/2017	Fail	TBA	
20	2M1009A	P	6/20/2017	Pass	---	
21	2M1011	I	6/14/2017	Pass	---	
22	2M1015B	I	5/1/2017	Pass	---	
23	2M1021	I	6/2/2017	Pass	---	
24	2M1022	I	6/7/2017	Pass	---	
25	2M1023	I	6/8/2017	Pass	---	
26	2M1037	I	6/6/2017	Pass	---	
27	2M1042	I	5/10/2017	Pass	---	
28	2M1050	I	4/14/2017	Pass	---	
29	2M1051	I	6/1/2017	Pass	---	
30	2M1059	I	6/5/2017	Pass	---	
31	2M1063	P	5/30/2017	Pass	---	
32	2M1081	I	5/10/2017	Pass	---	
33	2M1082	I	5/3/2017	Pass	---	
34	2M1109	I	4/26/2017	Pass	---	
35	2M1110	I	4/25/2017	Pass	---	
36	2M1111	P	6/7/2017	Pass	---	
37	2M1112	I	5/25/2017	Fail	6/14/2017	
38	2M1112A	I	6/9/2017	Pass	---	
39	2M1114	I	5/4/2017	Pass	---	
40	2M1115	I	5/12/2017	Pass	---	
41	2M1120	P	5/22/2017	Pass	---	
42	2M1124	I	5/22/2017	Pass	---	
43	2M1125	I	4/14/2017	Fail	6/14/2017	
44	2M1125A	I	6/9/2017	Pass	---	
45	2M1126	I	4/24/2017	Pass	---	
46	2M1127	I	5/3/2017	Pass	---	
47	2M1162	I	4/27/2017	Pass	---	
48	2M1163	P	4/27/2017	Pass	---	
49	2M1171	I	4/25/2017	Pass	---	

**Attachment 1: Mechanical Integrity Testing
1st Half 2017
Lost Creek ISR Project SUA-1598**

	Well ID	Well Type	MIT ⁽¹⁾ Date	P/F	P&A ⁽²⁾ Date	Comments
50	2M1172	I	4/25/2017	Pass	---	
51	2M1173	I	4/27/2017	Pass	---	
52	2M1182	P	5/17/2017	Pass	---	
53	2M1184	P	6/8/2017	Pass	---	
54	2M1195	I	5/24/2017	Pass	---	
55	2M1196	I	5/11/2017	Pass	---	
56	2M1198	I	5/10/2017	Pass	---	
57	2M1199	P	5/10/2017	Pass	---	
58	2M1201	I	5/3/2017	Pass	---	
59	2M1202	I	5/10/2017	Pass	---	
60	2M1203	I	5/22/2017	Pass	---	
61	2M1204	I	4/14/2017	Pass	---	
62	2M1205	I	5/22/2017	Pass	---	
63	2M1206	I	6/7/2017	Pass	---	
64	2M1207	I	5/9/2017	Pass	---	
65	2M1208	I	5/12/2017	Pass	---	
66	2M1209	P	5/1/2017	Pass	---	
67	2M1210	I	4/21/2017	Pass	---	
68	2M1211	P	5/11/2017	Pass	---	
69	2M1222	I	6/5/2017	Pass	---	
70	2M1228	I	4/26/2017	Pass	---	
71	2M1229	I	4/26/2017	Pass	6/14/2017	Well damaged during swabbing
72	2M1229A	I	6/20/2017	Pass	---	
73	2M1230	P	4/14/2017	Pass	---	
74	2M1232	I	6/2/2017	Pass	---	
75	2M1233	I	5/9/2017	Pass	---	
76	2M1234	P	5/11/2017	Pass	---	
77	2M1237	I	5/25/2017	Pass	---	
78	2M1238	I	5/15/2017	Pass	---	
79	2M1239	P	5/25/2017	Pass	---	
80	2M1240	I	5/11/2017	Pass	---	
81	2M1241	P	6/16/2017	Pass	---	
82	2M1242	I	5/26/2017	Pass	---	
83	2M1244	I	5/12/2017	Pass	---	
84	2M1248	I	6/7/2017	Pass	---	
85	2M1249	I	4/17/2017	Pass	---	
86	2M1250	I	5/4/2017	Pass	---	
87	2M1252	P	6/6/2017	Pass	---	
88	2M1254	P	5/23/2017	Pass	---	
89	2M1256	P	6/16/2017	Fail	TBA	
90	2M1256A	P	6/27/2017	Pass	---	
91	2M1258	I	5/25/2017	Pass	---	
92	2M1259	I	6/14/2017	Pass	---	
93	2M1263	P	5/26/2017	Pass	---	
94	2M1268	I	6/14/2017	Pass	---	
95	2M1269	I	5/26/2017	Pass	---	
96	2M1272	I	6/14/2017	Pass	---	
97	2M1276	P	5/30/2017	Pass	---	
98	2M1282	I	5/24/2017	Pass	---	

**Attachment 1: Mechanical Integrity Testing
1st Half 2017
Lost Creek ISR Project SUA-1598**

	Well ID	Well Type	MIT ⁽¹⁾ Date	P/F	P&A ⁽²⁾ Date	Comments
99	2M1285	P	5/24/2017	Pass	---	
100	2M1287	I	5/23/2017	Pass	TBA	Cased at wrong depth
101	2M1295	I	5/24/2017	Pass	---	
102	2M1297	P	6/14/2017	Pass	---	
103	2M1298	I	6/9/2017	Pass	---	
104	2M1303	I	6/7/2017	Pass	---	
105	2M1304	I	6/7/2017	Pass	---	
106	2M1306	P	6/9/2017	Pass	---	
107	2M1312	P	5/31/2017	Pass	---	
108	2M1314	I	6/8/2017	Pass	---	
109	2M1320	I	5/30/2017	Pass	---	
110	2M1326	I	6/7/2017	Pass	---	
111	2M1328	I	6/2/2017	Pass	---	

111 Total MITs
 107 Pass
 4 Fail
 111 Wells Tested
 4 Net 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

I = Class III Injection Well

P = Class III Production Well

M = Monitor Well