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**LOST CREEK ISR, LLC**

January 25, 2018

40-9068

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

**Re: Semi-Annual Reporting Pursuant to License Condition 11.1(B)  
2nd 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 July 1 through December 31, 2017.

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

As of the end of the reporting period, thirteen header houses in MU1 and one header house in MU2 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:

NM5501

**Table 1: Operational Status Summary**

Mine Unit	Header Houses	Status	Start Date
Mine Unit 1	HH1-1	In Operation	8/2/2013
	HH1-2	In Operation	8/15/2013
	HH1-3	In Operation	9/18/2013
	HH1-4	In Operation	2/4/2014
	HH1-5	In Operation	3/11/2014
	HH1-6	In Operation	7/16/2014
	HH1-7	In Operation	12/11/2014
	HH1-8	In Operation	1/10/2015
	HH1-9	In Operation	2/12/2015
	HH1-10	In Operation	6/18/2015
	HH1-11	In Operation	9/2/2015
	HH1-12	In Operation	11/17/2015
	HH1-13	In Operation	5/25/2016
Mine Unit 2	HH2-1	Under const.	N/A
	HH2-2	In Operation	8/30/2017
	HH2-3	Completed – not yet in operation	Tentative
	HH2-4	Under const.	N/A
	HH2-5	Planned	N/A
	HH2-6	Planned	N/A
	HH2-7	Planned	N/A
Mine Unit 3	N/A	Not constructed	N/A

**Status of Production Areas in Restoration**

No restoration activities had been initiated during the reporting period.

**Long-Term Excursions**

No wells were on long-term excursion status during the reporting period. However, as described in the quarterly report, KPW2 was on excursion in the 4<sup>th</sup> quarter 2017 but did not extend past the 60 day threshold.

### Summary of MITs

During the reporting period, a total of 200 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 178 successful tests with 22 failures with 4 net wells failed. Several of the MITs conducted during the period were associated with a 5-year retest. The 4 wells that failed were subsequently abandoned or will be evaluated to determine if they could be repaired.

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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**Attachment 1: Mechanical Integrity Testing  
2nd Half 2017  
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	1I001	I	10/27/2017	Pass	---	5-year MIT
2	1I004	I	10/27/2017	Fail	Tentative	5-year MIT, Well shut-in 10/10/2017, may be repaired
3	1I006	I	10/27/2017	Pass	---	5-year MIT
4	1I009	I	10/30/2017	Pass	---	5-year MIT
5	1I010	I	10/30/2017	Pass	---	5-year MIT
6	1I017	I	10/30/2017	Pass	---	5-year MIT
7	1I020	I	10/27/2017	Pass	---	5-year MIT
8	1I021	I	10/27/2017	Pass	---	5-year MIT
9	1I069	I	10/11/2017	Pass	---	5-year MIT
10	1I100	I	10/25/2017	Pass	---	5-year MIT
11	1I105	I	10/18/2017	Pass	---	5-year MIT
12	1I106	I	10/18/2017	Pass	---	5-year MIT
13	1I107	I	10/17/2017	Fail	---	5-year MIT
14	1I107	I	10/24/2017	Pass	---	Retest
15	1I108	I	10/24/2017	Pass	---	5-year MIT
16	1I109	I	10/5/2017	Pass	---	5-year MIT
17	1I110	I	10/20/2017	Pass	---	5-year MIT
18	1I111	I	10/2/2017	Pass	---	5-year MIT
19	1I112	I	10/18/2017	Pass	---	5-year MIT
20	1I117	I	10/13/2017	Pass	---	5-year MIT
21	1I118	I	10/17/2017	Pass	---	5-year MIT
22	1I119	I	10/17/2017	Pass	---	5-year MIT
23	1I120	I	10/4/2017	Pass	---	5-year MIT
24	1I122	I	10/4/2017	Pass	---	5-year MIT
25	1I123	I	10/2/2017	Pass	---	5-year MIT
26	1I130	I	10/2/2017	Pass	---	5-year MIT
27	1I131	I	10/2/2017	Pass	---	5-year MIT
28	1I132	I	10/20/2017	Pass	---	5-year MIT
29	1I133	I	10/11/2017	Pass	---	5-year MIT
30	1I134	I	10/19/2017	Pass	---	5-year MIT
31	1I192	I	10/9/2017	Pass	---	5-year MIT
32	1I193	I	10/11/2017	Pass	---	5-year MIT
33	1I194	I	10/19/2017	Pass	---	5-year MIT
34	1I228	I	10/4/2017	Pass	---	5-year MIT
35	1I246	I	10/24/2017	Pass	---	5-year MIT
36	1I254	I	10/23/2017	Pass	---	5-year MIT
37	1I314	I	10/24/2017	Pass	---	5-year MIT
38	1P056	P	10/18/2017	Pass	---	5-year MIT
39	1P057	P	10/16/2017	Pass	---	5-year MIT
40	1P058	P	10/23/2017	Pass	---	5-year MIT
41	1P060	P	10/19/2017	Pass	---	5-year MIT
42	1P062	P	10/23/2017	Pass	---	5-year MIT
43	1P063	P	10/26/2017	Pass	---	5-year MIT
44	1P064	P	10/25/2017	Pass	---	5-year MIT
45	1P066	P	10/19/2017	Pass	---	5-year MIT
46	1P095	P	10/2/2017	Pass	---	5-year MIT
47	1P126	P	10/20/2017	Pass	---	5-year MIT
48	2M1001	I	8/21/2017	Pass	---	
49	2M1010	P	9/19/2017	Pass	---	
50	2M1012	P	8/21/2017	Pass	---	
51	2M1013A	P	8/25/2017	Pass	---	
52	2M1016	I	8/31/2017	Pass	---	
53	2M1017	I	8/30/2017	Pass	---	
54	2M1018	I	8/17/2017	Pass	---	

**Attachment 1: Mechanical Integrity Testing  
2nd Half 2017  
Lost Creek ISR Project SUA-1598**

	Well ID	Well Type	MIT <sup>(1)</sup> Date	P/F	P&A <sup>(2)</sup> Date	Comments
55	2M1019	P	8/30/2017	Pass	---	
56	2M1020	P	8/21/2017	Pass	---	
57	2M1024	I	9/18/2017	Pass	---	
58	2M1025	I	9/5/2017	Pass	---	
59	2M1026	I	8/25/2017	Pass	---	
60	2M1027A	I	8/30/2017	Pass	---	
61	2M1028	I	9/5/2017	Pass	---	
62	2M1029	P	8/23/2017	Pass	---	
63	2M1031	I	9/5/2017	Pass	---	
64	2M1032	P	8/23/2017	Pass	---	
65	2M1033	I	9/1/2017	Pass	---	
66	2M1034	I	8/31/2017	Pass	---	
67	2M1035	P	8/22/2017	Pass	---	
68	2M1036	I	8/24/2017	Pass	---	
69	2M1038	I	8/29/2017	Pass	---	
70	2M1040	I	8/29/2017	Pass	---	
71	2M1041	P	8/19/2017	Pass	---	
72	2M1043	I	8/28/2017	Pass	---	
73	2M1045	I	9/19/2017	Pass	---	
74	2M1046	P	8/19/2017	Pass	---	
75	2M1048	P	8/28/2017	Pass	---	
76	2M1049	P	9/13/2017	Fail	---	
77	2M1049	P	9/22/2017	Pass	---	Retest
78	2M1052	I	8/17/2017	Pass	---	
79	2M1054	P	8/23/2017	Pass	---	
80	2M1055	I	9/18/2017	Pass	---	
81	2M1056	I	9/15/2017	Fail	---	
82	2M1056	I	10/3/2017	Pass	---	Swabbed
83	2M1057	I	9/11/2017	Fail	---	
84	2M1057	I	9/13/2017	Pass	---	Retest
85	2M1058	P	8/22/2017	Pass	---	
86	2M1060	I	9/1/2017	Pass	---	
87	2M1061	I	8/19/2017	Pass	---	
88	2M1062	I	8/28/2017	Pass	---	
89	2M1065A	I	8/28/2017	Pass	---	
90	2M1066	I	8/29/2017	Pass	---	
91	2M1067	I	8/22/2017	Pass	---	
92	2M1068	I	9/5/2017	Pass	---	
93	2M1071	I	8/31/2017	Pass	---	
94	2M1072	P	8/22/2017	Pass	---	
95	2M1074	P	9/19/2017	Pass	---	
96	2M1085	P	9/22/2017	Pass	---	
97	2M1086	I	9/15/2017	Pass	---	
98	2M1091	I	9/15/2017	Pass	---	
99	2M1094	P	8/29/2017	Pass	---	
100	2M1095	P	8/21/2017	Pass	---	
101	2M1098	P	9/15/2017	Pass	---	
102	2M1099	I	9/5/2017	Pass	---	
103	2M1101	P	8/24/2017	Fail	---	
104	2M1101	P	8/25/2017	Pass	---	Retest
105	2M1105	P	9/1/2017	Pass	---	
106	2M1116	P	8/8/2017	Pass	---	
107	2M1117	P	10/5/2017	Pass	---	
108	2M1123	P	9/1/2017	Pass	---	

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	Well ID	Well Type	MIT <sup>(1)</sup> Date	P/F	P&A <sup>(2)</sup> Date	Comments
109	2M1130	I	8/17/2017	Pass	---	
110	2M1131	I	7/17/2017	Pass	---	
111	2M1132	I	8/18/2017	Pass	---	
112	2M1133	I	7/18/2017	Pass	---	
113	2M1135A	I	7/19/2017	Pass	---	
114	2M1136A	I	7/17/2017	Pass	---	
115	2M1137A	P	7/25/2017	Pass	---	
116	2M1138	I	7/7/2017	Pass	---	
117	2M1139	P	7/18/2017	Pass	---	
118	2M1141	I	7/20/2017	Pass	---	
119	2M1142	I	9/7/2017	Fail	---	
120	2M1142	I	9/8/2017	Fail	---	Retest
121	2M1142	I	9/13/2017	Pass	---	Retest after swab
122	2M1143	P	8/4/2017	Pass	---	
123	2M1145	P	7/12/2017	Fail	---	
124	2M1145	P	7/26/2017	Pass	---	Retest
125	2M1160	I	7/7/2017	Pass	---	
126	2M1164	P	7/21/2017	Fail	---	
127	2M1164	P	8/12/2017	Pass	---	
128	2M1165	P	7/19/2017	Pass	---	
129	2M1166	I	7/20/2017	Pass	---	
130	2M1174	I	7/19/2017	Fail	---	
131	2M1174	I	7/28/2017	Pass	---	
132	2M1175	I	7/21/2017	Pass	---	
133	2M1187	I	8/7/2017	Pass	---	
134	2M1188	I	7/13/2017	Pass	---	
135	2M1189	I	7/20/2017	Fail	---	
136	2M1189	I	7/31/2017	Pass	---	
137	2M1190	I	7/15/2017	Pass	---	
138	2M1191	P	7/13/2017	Pass	---	
139	2M1192	I	7/14/2017	Pass	---	
140	2M1193	I	7/21/2017	Pass	---	
141	2M1194	P	7/14/2017	Pass	---	
142	2M1197	P	8/7/2017	Pass	---	
143	2M1212	P	7/25/2017	Fail	---	
144	2M1212	P	8/1/2017	Pass	---	
145	2M1213	I	7/15/2017	Pass	---	
146	2M1214	I	7/15/2017	Pass	---	
147	2M1215	P	7/15/2017	Pass	---	
148	2M1216	I	7/15/2017	Pass	---	
149	2M1217	P	8/8/2017	Pass	---	
150	2M1225	I	7/12/2017	Fail	---	
151	2M1225	I	8/11/2017	Pass	---	
152	2M1226	I	7/10/2017	Pass	---	
153	2M1227	P	7/18/2017	Pass	---	
154	2M1235	I	8/8/2017	Pass	---	
155	2M1236	I	7/17/2017	Fail	---	
156	2M1236	I	7/26/2017	Pass	---	
157	2M1253	I	7/6/2017	Pass	---	
158	2M1254	P	10/25/2017	Pass	---	Recompleted
159	2M1256A	P	8/31/2017	Pass	---	
160	2M1259	I	10/9/2017	Pass	---	
161	2M1262	P	7/12/2017	Fail	---	
162	2M1262	P	8/24/2017	Fail	11/6/2017	

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

	Well ID	Well Type	MIT <sup>(1)</sup> Date	P/F	P&A <sup>(2)</sup> Date	Comments
163	2M1262A	P	9/6/2017	Pass	---	
164	2M1267	P	7/18/2017	Pass	---	
165	2M1270	I	7/17/2017	Fail	11/6/2017	
166	2M1270A	I	8/31/2017	Pass	---	
167	2M1271	I	9/6/2017	Fail	---	
168	2M1271	I	9/6/2017	Fail	---	
169	2M1271	I	9/7/2017	Fail	---	
170	2M1271	I	9/14/2017	Fail	11/6/2017	
171	2M1273	I	8/23/2017	Pass	---	
172	2M1280	P	7/11/2017	Pass	---	
173	2M1281	P	10/5/2017	Pass	---	
174	2M1283	I	7/13/2017	Pass	---	
175	2M1284	P	7/14/2017	Pass	---	
176	2M1285	P	10/24/2017	Pass	---	Retest after rig re-underreamed
177	2M1290	I	9/22/2017	Pass	---	
178	2M1302	P	8/19/2017	Pass	---	
179	2M1306A	P	11/17/2017	Pass	---	
180	2M1307	I	9/20/2017	Pass	---	
181	2M1308	I	8/10/2017	Pass	---	
182	2M1309	P	7/18/2017	Pass	---	
183	2M1310	P	8/10/2017	Pass	---	
184	2M1319	I	9/19/2017	Pass	---	
185	2M1330	P	8/8/2017	Pass	---	
186	2M1338	I	8/30/2017	Pass	---	
187	2M1339	I	9/5/2017	Pass	---	
188	2M1340	I	9/18/2017	Pass	---	
189	2M1341	I	10/18/2017	Pass	---	
190	2M1342	P	9/5/2017	Pass	---	
191	2M1343	I	9/18/2017	Pass	---	
192	2M1344	I	9/18/2017	Pass	---	
193	2M1346A	I	10/11/2017	Pass	---	
194	2M1348	P	9/18/2017	Pass	---	
195	2M1351	P	9/20/2017	Pass	---	
196	2M1352	I	9/1/2017	Pass	---	
197	M-HJ230	P	9/18/2017	Pass	---	Converted to production well
198	M-HJ232	M	8/16/2017	Pass	---	
199	M-HJ233	M	8/17/2017	Pass	---	
200	MP112	M	10/23/2017	Pass	---	5-year MIT

200 Total MITs  
178 Pass  
22 Fail  
184 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