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**LOST CREEK ISR, LLC**

WYOMING OFFICE  
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January 30, 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)  
2nd Half 2014  
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, 2014 through December 31, 2014.

**Status of Production Areas in Operation**

By the end of the reporting period, seven (7) header houses were in operation as approved by WDEQ-LQD. The following table (**Table 1**) provides a status of production for operating mine units as of the end of the reporting period:

NMSSO1

**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
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**

No wells have been placed on excursion status since the beginning of operation.

**Summary of MITs**

During the 2nd half of 2014 a total of 288 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 263 successful tests with 25 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 25 failures, retests resulted in 8 passing tests typically following the swabbing of the well. Of the 17 net failed tests, 1 well was plugged and abandoned and 8 additional wells are 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  
Mail Stop T-8F5  
11545 Rockville Pike, Two White Flint North  
Rockville, MD 20852-2738  
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  
2nd Half 2014  
Lost Creek ISR Project SUA-1598**

	Well ID	Well Type	MIT <sup>(1)</sup> Date	P/F	P&A Date <sup>(2)</sup>	Comments
1	11018	I	7/11/2014	Pass	--	
2	11068	I	7/16/2014	Pass	--	
3	11129	I	7/10/2014	Pass	--	
4	11166	I	9/29/2014	Pass	--	
5	11212	I	7/2/2014	Pass	--	
6	11212	I	7/16/2014	Pass	--	
7	11227	I	12/10/2014	Pass	--	
8	11235A	I	9/29/2014	Pass	--	
9	11291A	I	8/8/2014	Pass	--	
10	11330	I	9/30/2014	Pass	--	
11	11337A	I	8/8/2014	Pass	--	
12	11378	I	12/3/2014	Pass	--	
13	11379	I	9/30/2014	Pass	--	
14	11380	I	7/1/2014	Fail	--	Failed. Needs to be swabbed
15	11380	I	7/3/2014	Fail	9/30/2014	Well swabbed, still failed
16	11381	I	10/7/2014	Pass	--	
17	11391	I	10/7/2014	Pass	--	
18	11392	I	10/6/2014	Pass	--	
19	11393	I	10/3/2014	Pass	--	
20	11394	I	10/6/2014	Fail	--	
21	11394	I	10/16/2014	Pass	--	
22	11395	I	10/2/2014	Pass	--	
23	11403	I	8/25/2014	Pass	--	
24	11404	I	9/3/2014	Pass	--	
25	11405	I	9/2/2014	Pass	--	
26	11405	I	9/3/2014	Pass	--	Swabbed
27	11406B	I	10/8/2014	Fail	--	
28	11406B	I	10/16/2014	Pass	--	
29	11407	I	10/8/2014	Pass	--	
30	11409	I	10/13/2014	Pass	--	
31	11411	I	10/9/2014	Pass	--	
32	11412	I	10/9/2014	Pass	--	
33	11413	I	10/17/2014	Pass	--	
34	11414	I	8/26/2014	Pass	--	
35	11415	I	8/19/2014	Pass	--	
36	11416	I	8/25/2014	Pass	--	
37	11417A	I	10/17/2014	Pass	--	
38	11418	I	8/22/2014	Pass	--	
39	11419	I	10/22/2014	Pass	--	
40	11420	I	10/23/2014	Pass	--	
41	11421	I	10/24/2014	Pass	--	
42	11422	I	10/24/2014	Pass	--	
43	11423	I	8/21/2014	Pass	--	
44	11424	I	10/24/2014	Pass	--	
45	11425	I	10/27/2014	Pass	--	
46	11426	I	10/28/2014	Pass	--	
47	11427	I	10/31/2014	Pass	--	
48	11428	I	11/10/2014	Fail	--	
49	11428	I	12/9/2014	Fail	TBA	
50	11429	I	11/7/2014	Pass	--	
51	11430A	I	10/29/2014	Pass	--	

**Attachment 1: Mechanical Integrity Testing  
2nd Half 2014  
Lost Creek ISR Project SUA-1598**

	Well ID	Well Type	MIT <sup>(1)</sup> Date	P/F	P&A Date <sup>(2)</sup>	Comments
52	11431	I	10/29/2014	Pass	--	
53	11432	I	10/29/2014	Pass	--	
54	11433	I	10/31/2014	Fail	--	
55	11433	I	11/4/2014	Fail	TBA	
56	11434	I	11/4/2014	Pass	--	
57	11435	I	11/5/2014	Pass	--	
58	11436	I	10/28/2014	Fail	--	
59	11436	I	10/31/2014	Fail	TBA	
60	11437	I	10/28/2014	Fail	--	
61	11437	I	10/29/2014	Pass	--	
62	11438	I	10/30/2014	Fail	--	
63	11438	I	10/31/2014	Pass	--	
64	11439	I	11/6/2014	Pass	--	
65	11440	I	11/6/2014	Pass	--	
66	11441	I	11/6/2014	Pass	--	
67	11442	I	11/18/2014	Pass	--	
68	11443	I	11/18/2014	Pass	--	
69	11444	I	11/20/2014	Pass	--	
70	11445	I	12/1/2014	Fail	--	
71	11445	I	12/10/2014	Fail	TBA	
72	11446	I	12/1/2014	Pass	--	
73	11447	I	11/24/2014	Pass	--	
74	11448	I	11/20/2014	Pass	--	
75	11449	I	12/9/2014	Pass	--	
76	11480	I	11/7/2014	Fail	--	
77	11480	I	12/2/2014	Pass	--	
78	11481	I	12/23/2014	Pass	--	
79	11488	I	12/23/2014	Fail	--	
80	11489	I	12/22/2014	Pass	--	
81	11491	I	12/19/2014	Pass	--	
82	11498	I	12/12/2014	Pass	--	
83	11499	I	12/16/2014	Pass	--	
84	11501	I	12/12/2014	Pass	--	
85	11502	I	12/15/2014	Pass	--	
86	11503	I	12/8/2014	Pass	--	
87	11504	I	12/4/2014	Pass	--	
88	11505	I	12/12/2014	Pass	--	
89	11506	I	12/5/2014	Pass	--	
90	11507	I	11/25/2014	Pass	--	
91	11508	I	12/4/2014	Pass	--	
92	11509	I	12/4/2014	Pass	--	
93	11510	I	12/4/2014	Pass	--	
94	11511	I	11/20/2014	Pass	--	
95	11512	I	11/10/2014	Pass	--	
96	11513	I	11/7/2014	Fail	--	
97	11513	I	12/10/2014	Pass	--	
98	11514	I	10/30/2014	Pass	--	
99	11515	I	10/31/2014	Pass	--	
100	11516	I	11/3/2014	Pass	--	
101	11517	I	11/3/2014	Pass	--	
102	11518	I	11/3/2014	Pass	--	

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Lost Creek ISR Project SUA-1598**

	Well ID	Well Type	MIT <sup>(1)</sup> Date	P/F	P&A Date <sup>(2)</sup>	Comments
103	11519	I	11/3/2014	Pass	--	
104	11521	I	12/16/2014	Pass	--	
105	11522	I	12/22/2014	Pass	--	
106	11523	I	12/23/2014	Pass	--	
107	11528	I	10/9/2014	Pass	--	
108	11529	I	10/9/2014	Pass	--	
109	11530	I	10/9/2014	Pass	--	
110	11531	I	8/19/2014	Pass	--	
111	11532A	I	8/18/2014	Pass	--	
112	11533	I	8/19/2014	Pass	--	
113	11534	I	8/26/2014	Pass	--	
114	11535	I	8/25/2014	Pass	--	
115	11536	I	8/22/2014	Pass	--	
116	11536	I	10/22/2014	Pass	--	
117	11537	I	8/20/2014	Pass	--	
118	11538	I	8/21/2014	Pass	--	
119	11539	I	10/27/2014	Pass	--	
120	11540	I	10/27/2014	Pass	--	
121	11541A	I	10/24/2014	Pass	--	
122	11542	I	10/24/2014	Pass	--	
123	11543	I	10/31/2014	Pass	--	
124	11544	I	10/28/2014	Pass	--	
125	11545	I	10/27/2014	Pass	--	
126	11546	I	12/11/2014	Pass	--	
127	11547	I	11/19/2014	Pass	--	
128	11551	I	12/18/2014	Fail	TBD	May be repaired and retested
129	11552	I	12/17/2014	Pass	--	
130	11561	I	12/1/2014	Pass	--	
131	11563	I	7/10/2014	Pass	--	
132	11564	I	10/6/2014	Pass	--	
133	11565	I	7/8/2014	Pass	--	
134	11571	I	10/28/2014	Pass	--	
135	11572	I	9/30/2014	Pass	--	
136	11574	I	7/3/2014	Pass	--	
137	11575	I	7/7/2014	Pass	--	
138	11578	I	7/14/2014	Pass	--	
139	11583	I	7/14/2014	Pass	--	
140	11583	I	7/15/2014	Pass	--	
141	11584	I	7/7/2014	Pass	--	
142	11585	I	10/6/2014	Pass	--	
143	11586	I	10/13/2014	Pass	--	
144	11587	I	10/17/2014	Pass	--	
145	11588	I	10/16/2014	Pass	--	
146	11589	I	10/9/2014	Pass	--	
147	11605A	I	9/29/2014	Pass	--	
148	11609	I	10/3/2014	Pass	--	
149	11612	I	10/3/2014	Pass	--	
150	11615	I	7/11/2014	Pass	--	
151	11616	I	7/8/2014	Pass	--	
152	11619	I	10/1/2014	Pass	--	
153	11621	I	10/3/2014	Pass	--	

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2nd Half 2014  
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	Well ID	Well Type	MIT <sup>(1)</sup> Date	P/F	P&A Date <sup>(2)</sup>	Comments
154	11624	I	10/20/2014	Pass	--	
155	11625	I	10/24/2014	Pass	--	
156	11626	I	10/23/2014	Pass	--	
157	11627	I	12/1/2014	Pass	--	
158	11628	I	10/15/2014	Pass	--	
159	11629	I	10/10/2014	Pass	--	
160	11630	I	9/5/2014	Fail	--	
161	11630	I	10/8/2014	Fail	TBA	Swabbed, still failed
162	11630A	I	11/7/2014	Pass	--	
163	11631	I	11/6/2014	Pass	--	
164	11632	I	11/24/2014	Pass	--	
165	11633	I	12/15/2014	Pass	--	
166	11634	I	12/15/2014	Pass	--	
167	11636	I	12/17/2014	Pass	--	
168	11642	I	8/26/2014	Pass	--	
169	11643	I	8/26/2014	Pass	--	
170	11646	I	11/25/2014	Pass	--	
171	11647	I	12/3/2014	Pass	--	
172	11650	I	12/17/2014	Pass	--	
173	11651	I	12/16/2014	Pass	--	
174	11652	I	12/12/2014	Pass	--	
175	11654	I	12/2/2014	Pass	--	
176	11655	I	12/3/2014	Pass	--	
177	11656	I	12/8/2014	Pass	--	
178	11657	I	11/10/2014	Pass	--	
179	1P047A	P	7/15/2014	Pass	--	
180	1P141	P	8/22/2014	Pass	--	Well was damaged (by vehicle); re-tested and passed.
181	1P183A	P	8/8/2014	Pass	--	
182	1P201	P	10/7/2014	Pass	--	
183	1P202	P	9/30/2014	Fail	TBA	
184	1P202A	P	9/29/2014	Fail	TBA	Won't hold pressure
185	1P202B	P	10/10/2014	Pass	--	
186	1P205	P	10/7/2014	Pass	--	
187	1P206	P	7/3/2014	Pass	--	
188	1P208	P	7/2/2014	Pass	--	
189	1P209	P	10/2/2014	Pass	--	
190	1P214	P	9/2/2014	Pass	--	
191	1P215	P	10/13/2014	Pass	--	
192	1P217	P	10/15/2014	Pass	--	
193	1P218	P	10/17/2014	Pass	--	
194	1P219	P	10/21/2014	Pass	--	
195	1P220	P	10/21/2014	Pass	--	
196	1P221	P	10/23/2014	Pass	--	
197	1P222	P	10/23/2014	Pass	--	
198	1P223	P	11/5/2014	Pass	--	
199	1P224	P	11/5/2014	Pass	--	
200	1P225	P	11/6/2014	Pass	--	
201	1P226	P	10/3/2014	Pass	--	
202	1P227	P	10/2/2014	Pass	--	
203	1P228	P	11/5/2014	Pass	--	

**Attachment 1: Mechanical Integrity Testing  
2nd Half 2014  
Lost Creek ISR Project SUA-1598**

	Well ID	Well Type	MIT <sup>(1)</sup> Date	P/F	P&A Date <sup>(2)</sup>	Comments
204	1P230A	P	11/25/2014	Pass	--	
205	1P231	P	11/21/2014	Pass	--	
206	1P232	P	11/20/2014	Pass	--	
207	1P233	P	11/19/2014	Pass	--	
208	1P234	P	12/16/2014	Pass	--	
209	1P245	P	12/5/2014	Pass	--	
210	1P246	P	12/8/2014	Pass	--	
211	1P247	P	11/21/2014	Pass	--	
212	1P248	P	11/24/2014	Pass	--	
213	1P249	P	11/18/2014	Pass	--	
214	1P250	P	11/3/2014	Pass	--	
215	1P251	P	10/30/2014	Pass	--	
216	1P252	P	12/4/2014	Pass	--	
217	1P253	P	12/8/2014	Fail	--	
218	1P253	P	12/8/2014	Pass	--	
219	1P254	P	11/25/2014	Pass	--	
220	1P255	P	12/8/2014	Pass	--	
221	1P256	P	12/16/2014	Pass	--	
222	1P258	P	12/23/2014	Pass	--	
223	1P259	P	12/19/2014	Pass	--	
224	1P260	P	12/22/2014	Pass	--	
225	1P262	P	12/19/2014	Pass	--	
226	1P263	P	12/17/2014	Pass	--	
227	1P264	P	12/12/2014	Pass	--	
228	1P272	P	10/16/2014	Pass	--	
229	1P273	P	8/20/2014	Pass	--	
230	1P274	P	10/22/2014	Pass	--	
231	1P275	P	10/21/2014	Pass	--	
232	1P276	P	8/22/2014	Pass	--	
233	1P277	P	8/21/2014	Pass	--	
234	1P278	P	8/21/2014	Pass	--	
235	1P279	P	10/23/2014	Pass	--	
236	1P280	P	10/28/2014	Pass	--	
237	1P281	P	11/5/2014	Pass	--	
238	1P282	P	12/16/2014	Pass	--	
239	1P283	P	12/22/2014	Pass	--	
240	1P285	P	12/12/2014	Pass	--	
241	1P287	P	8/8/2014	Pass	--	
242	1P290	P	12/11/2014	Pass	--	
243	1P299A	P	12/9/2014	Pass	--	
244	1P301	P	10/1/2014	Pass	--	
245	1P303	P	10/22/2014	Pass	--	
246	1P304	P	7/14/2014	Pass	--	
247	1P305	P	7/16/2014	Pass	--	
248	1P308	P	9/5/2014	Fail	--	Swabbed and retested
249	1P308	P	9/8/2014	Pass	--	
250	1P309	P	10/8/2014	Pass	--	
251	1P310	P	10/13/2014	Pass	--	
252	1P323	P	7/9/2014	Pass	--	
253	1P324	P	10/6/2014	Pass	--	
254	1P326	P	10/1/2014	Pass	--	



**Attachment 1: Mechanical Integrity Testing  
2nd Half 2014  
Lost Creek ISR Project SUA-1598**

	Well ID	Well Type	MIT <sup>(1)</sup> Date	P/F	P&A Date <sup>(2)</sup>	Comments
255	1P329	P	12/11/2014	Pass	--	
256	1P331	P	11/21/2014	Pass	--	
257	1P332	P	10/17/2014	Pass	--	
258	1P334	P	10/22/2014	Pass	--	
259	1P336	P	10/17/2014	Pass	--	
260	1P337	P	10/10/2014	Pass	--	
261	1P338	P	10/10/2014	Pass	--	
262	1P339	P	12/12/2014	Pass	--	
263	1P342	P	12/22/2014	Pass	--	
264	1P343	P	12/19/2014	Pass	--	
265	1P344	P	12/15/2014	Fail	TBA	
266	1P347	P	10/8/2014	Pass	--	
267	1P348	P	11/21/2014	Pass	--	
268	1P349	P	11/24/2014	Pass	--	
269	1P354	P	12/15/2014	Pass	--	
270	1P355	P	12/2/2014	Pass	--	
271	1P358	P	8/8/2014	Pass	--	
272	1P359	P	11/7/2014	Pass	--	
273	1P360	P	12/3/2014	Pass	--	
274	1P361	P	10/22/2014	Pass	--	
275	1P362	P	10/29/2014	Pass	--	
276	1P363	P	12/4/2014	Pass	--	
277	HJMP105	M	7/9/2014	Pass	--	
278	MB-8	M	8/18/2014	Pass	--	
279	M-FG10	M	11/14/2014	Pass	--	
280	M-FG6	M	11/20/2014	Pass	--	
281	M-FG7	M	10/15/2014	Pass	--	
282	M-FG7	M	11/14/2014	Pass	--	
283	M-FG8	M	11/14/2014	Pass	--	
284	M-FG9	M	11/19/2014	Pass	--	
285	M-FG9	M	12/8/2014	Pass	--	
286	MP106	P	11/5/2014	Pass	--	
287	MP111	M	7/7/2014	Pass	--	
288	MU113	M	11/4/2014	Pass	--	

263 Pass  
25 Fails  
17 Net Fails  
288 Total MITs  
270 Wells Tested

(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