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## LOST CREEK ISR, LLC

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October 30, 2013

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

**Re: Reporting Pursuant to License Condition 11.1 for 3<sup>rd</sup> Quarter 2013  
License Number SUA-1598, Docket 40-9068  
Lost Creek Project, Sweetwater County, Wyoming**

To Whom It May Concern:

The following reporting for the third quarter of 2013 required under License Condition 11.1 for Lost Creek ISR, LLC's (LCI) Lost Creek (LC) Project SUA-1598 is addressed by this letter as follows:

- *Excursion Monitoring Report.* License Condition 11.1(a) requires quarterly reporting of the results of excursion monitoring. Excursion monitoring is conducted according to the approved License Application Technical Report Section 5.7.8.2. Analytical results are provided on **Attachment I**. No excursions occurred during the third quarter and hence no wells were placed on excursion status. The anomalous chloride result (27 mg/L) that exceeded the UCL value (21 mg/L) by 29% from M-111 sampled on September 24 was shown to be an error by follow-up sampling. Two separate follow-up samples were taken on October 6 and October 9 and analyzed by Energy Laboratories in Casper, WY which resulted in chloride values (both 5 mg/L) less than the UCL with verification by the Lost Creek lab also resulting in 5 mg/L. Follow up sampling was delayed due to inclement weather in the region. The cause of the anomaly has not been determined but an excursion was initially deemed unlikely due to the sharp increase in concentration.

Other various results slightly exceeded the UCL values for alkalinity and conductivity but within the 20% threshold and thus required no corrective action. However, notifications of results in excess of the UCL are shared with appropriate personnel to make any adjustments with wellfield flows as deemed prudent.

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## LOST CREEK ISR, LLC

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- *Flow/Pressure Report.* License Condition 11.1(c) requires operational flow and pressure data for wellfields be summarized on a quarterly basis and maintained at the facility. The summary is available at the LC project site for inspection upon request.

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

Sincerely,  
Lost Creek ISR, LLC  
By: Ur-Energy USA, Inc., Manager

A handwritten signature in blue ink, appearing to read 'Michael D. Gaither'.

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

Attachments: *Attachment I: Groundwater Quality Data for 2<sup>nd</sup> Quarter 2013*  
*Attachment II: Mechanical Integrity Tests Performed First Half of 2013*

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, via e-mail  
Melissa Bautz, WDEQ-LQD, Lander, via e-mail  
Theresa Horne, Ur-Energy, Littleton, via e-mail

*Lost Creek ISR, LLC is a wholly-owned subsidiary of Ur-Energy Inc.*

TSX: URE  
[www.ur-energy.com](http://www.ur-energy.com)

**Attachment I: Operational Excursion Monitoring Results**

**3rd Quarter 2013**

**Lost Creek ISR Project SUA-1598**

WELL NAME	SAMPLE COLLECTION DATE	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance (µS/cm)		
		Assay	UCL	% Diff	Assay	UCL	% Diff	Assay	UCL	% Diff
M-101	8/14/2013	111	172	-35	5	21	-76	691	965	-28
M-101	8/26/2013	114	172	-34	6	21	-71	703	965	-27
M-101	9/10/2013	112	172	-35	6	21	-73	706	965	-27
M-101	9/22/2013	116	172	-33	6	21	-71	667	965	-31
M-102	8/14/2013	146	173	-16	6	20	-70	849	971	-13
M-102	8/26/2013	146	173	-16	6	20	-70	862	971	-11
M-102	9/10/2013	138	173	-20	5	20	-73	856	971	-12
M-102	9/22/2013	144	173	-17	6	20	-70	820	971	-16
M-103A	8/19/2013	146	150	-3	6	21	-71	895	1171	-24
M-103A	8/29/2013	144	150	-4	7	21	-67	848	1171	-28
M-103A	9/10/2013	140	150	-7	5	21	-75	866	1171	-26
M-103A	9/22/2013	144	150	-4	6	21	-71	828	1171	-29
M-104	8/19/2013	152	173	-12	7	22	-68	882	1162	-24
M-104	8/29/2013	150	173	-13	7	22	-68	879	1162	-24
M-104	9/10/2013	143	173	-17	5	22	-76	844	1162	-27
M-104	9/23/2013	149	173	-14	6	22	-73	875	1162	-25
M-105	8/14/2013	137	148	-7	6	21	-71	767	1036	-26
M-105	8/26/2013	136	148	-8	6	21	-71	761	1036	-27
M-105	9/10/2013	130	148	-12	6	21	-73	773	1036	-25
M-105	9/23/2013	134	148	-9	6	21	-71	783	1036	-24
M-106	8/14/2013	131	134	-2	5	21	-76	735	980	-25
M-106	8/26/2013	131	134	-2	6	21	-71	725	980	-26
M-106	9/11/2013	128	134	-4	6	21	-73	710	980	-28
M-106	9/23/2013	137	134	2	6	21	-71	722	980	-26
M-107	8/14/2013	128	138	-7	6	21	-71	719	1033	-30
M-107	8/26/2013	128	138	-7	6	21	-71	714	1033	-31
M-107	9/11/2013	130	138	-6	4	21	-80	729	1033	-29
M-107	9/23/2013	125	138	-9	6	21	-71	732	1033	-29
M-108	8/15/2013	116	127	-9	6	21	-71	610	905	-33
M-108	8/26/2013	117	127	-8	6	21	-71	604	905	-33
M-108	9/11/2013	110	127	-13	5	21	-75	597	905	-34
M-108	9/23/2013	115	127	-9	6	21	-71	617	905	-32
M-109	8/15/2013	119	161	-26	5	20	-75	554	703	-21
M-109	8/26/2013	109	161	-32	5	20	-75	547	703	-22
M-109	9/11/2013	105	161	-35	6	20	-70	554	703	-21
M-109	9/23/2013	107	161	-34	5	20	-75	566	703	-19
M-110	8/15/2013	120	147	-18	6	21	-71	616	1022	-40
M-110	8/26/2013	120	147	-18	6	21	-71	609	1022	-40
M-110	9/11/2013	124	147	-16	7	21	-66	615	1022	-40

**Attachment I: Operational Excursion Monitoring Results**  
**3rd Quarter 2013**  
**Lost Creek ISR Project SUA-1598**

WELL NAME	SAMPLE COLLECTION DATE	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance (µS/cm)		
		Assay	UCL	% Diff	Assay	UCL	% Diff	Assay	UCL	% Diff
M-110	9/23/2013	118	147	-20	7	21	-67	631	1022	-38
M-111	8/15/2013	119	146	-18	5	21	-76	593	897	-34
M-111	8/27/2013	129	146	-12	6	21	-71	618	897	-31
M-111	9/11/2013	115	146	-21	6	21	-70	604	897	-33
M-111	9/23/2013	119	146	-18	27	21	29	605	897	-33
M-111	10/6/2013	121	146	-17	5	21	-76	614	897	-32
M-111 Dup	10/6/2013	121	146	-17	5	21	-76	614	897	-32
M-111	10/9/2013	120	146	-18	5	21	-76	615	897	-31
M-112	8/15/2013	120	147	-18	6	20	-70	578	636	-9
M-112	8/27/2013	120	147	-18	5	20	-75	572	636	-10
M-112	9/11/2013	115	147	-22	5	20	-73	583	636	-8
M-112	9/23/2013	118	147	-20	6	20	-70	601	636	-6
M-113	8/15/2013	105	203	-48	5	21	-76	542	631	-14
M-113	8/27/2013	106	203	-48	5	21	-76	541	631	-14
M-113	9/12/2013	104	203	-49	5	21	-76	546	631	-13
M-113	9/24/2013	109	203	-46	5	21	-76	547	631	-13
M-114A	8/15/2013	112	139	-19	5	20	-75	552	772	-28
M-114A	8/27/2013	113	139	-19	5	20	-75	564	772	-27
M-114A	9/12/2013	104	139	-25	6	20	-72	548	772	-29
M-114A	9/24/2013	112	139	-19	5	20	-75	563	772	-27
M-115A	8/15/2013	112	139	-19	5	20	-75	538	726	-26
M-115A	8/27/2013	106	126	-16	5	20	-75	565	726	-22
M-115A	9/12/2013	109	126	-13	6	20	-72	537	726	-26
M-115A	9/24/2013	110	126	-13	5	20	-75	549	726	-24
M-116A	8/15/2013	109	134	-19	5	20	-75	531	679	-22
M-116A	8/27/2013	105	134	-22	5	20	-75	530	679	-22
M-116A	9/12/2013	115	134	-14	5	20	-75	542	679	-20
M-116A	9/24/2013	107	134	-20	5	20	-75	574	679	-15
M-117	8/19/2013	111	139	-20	5	20	-75	522	711	-27
M-117	8/29/2013	111	139	-20	5	20	-75	521	711	-27
M-117	9/12/2013	110	139	-21	5	20	-73	515	711	-28
M-117	9/22/2013	109	139	-22	5	20	-75	524	711	-26
M-118	8/13/2013	102	108	-6	5	21	-76	540	762	-29
M-118	8/29/2013	102	108	-6	6	21	-71	578	762	-24
M-118	9/9/2013	99	108	-8	5	21	-76	540	762	-29
M-118	9/22/2013	101	108	-6	5	21	-76	506	762	-34
M-119	8/13/2013	120	128	-6	5	20	-75	527	622	-15
M-119	8/29/2013	129	128	1	6	20	-70	535	622	-14
M-119	9/10/2013	115	128	-10	5	20	-73	527	622	-15

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3rd Quarter 2013  
Lost Creek ISR Project SUA-1598**

WELL NAME	SAMPLE COLLECTION DATE	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance (µS/cm)		
		Assay	UCL	% Diff	Assay	UCL	% Diff	Assay	UCL	% Diff
M-119	9/22/2013	117	128	-9	5	20	-75	494	622	-21
M-120A	8/13/2013	116	142	-18	5	20	-75	511	715	-28
M-120A	8/26/2013	117	142	-18	5	20	-75	520	715	-27
M-120A	9/10/2013	121	142	-15	5	20	-73	520	715	-27
M-120A	9/22/2013	114	142	-20	5	20	-75	497	715	-30
M-121	8/13/2013	118	140	-16	5	20	-75	541	755	-28
M-121	8/23/2013	119	140	-15	6	20	-70	553	755	-27
M-121	9/11/2013	118	140	-16	5	20	-74	540	755	-28
M-121	9/22/2013	118	140	-16	5	20	-75	507	755	-33
M-122	8/13/2013	119	142	-16	5	20	-75	531	593	-11
M-122	8/26/2013	120	142	-15	5	20	-75	539	593	-9
M-122	9/11/2013	118	142	-17	6	20	-68	519	593	-13
M-122	9/23/2013	119	142	-16	5	20	-75	577	593	-3
M-123	8/13/2013	129	131	-2	5	20	-75	523	718	-27
M-123	8/26/2013	122	131	-7	5	20	-75	537	718	-25
M-123	9/10/2013	116	131	-11	5	20	-73	522	718	-27
M-123	9/23/2013	121	131	-8	5	20	-75	533	718	-26
M-124	8/13/2013	113	123	-8	5	20	-75	490	536	-9
M-124	8/26/2013	114	123	-7	5	20	-75	496	536	-7
M-124	9/10/2013	111	123	-10	5	20	-75	487	536	-9
M-124	9/23/2013	121	123	-2	5	20	-75	468	536	-13
M-125	8/14/2013	116	135	-14	6	21	-71	584	657	-11
M-125	8/26/2013	116	135	-14	6	21	-71	577	657	-12
M-125	9/10/2013	110	135	-19	5	21	-76	573	657	-13
M-125	9/22/2013	114	135	-16	6	21	-71	541	657	-18
M-126	8/20/2013	113	194	-42	6	21	-71	613	682	-10
M-126	8/30/2013	115	194	-41	6	21	-71	586	682	-14
M-126	9/10/2013	112	194	-42	6	21	-73	582	682	-15
M-126	9/22/2013	116	194	-40	6	21	-71	548	682	-20
M-127	8/14/2013	119	149	-20	5	21	-76	571	792	-28
M-127	8/26/2013	119	149	-20	6	21	-71	581	792	-27
M-127	9/10/2013	114	149	-23	6	21	-71	577	792	-27
M-127	9/22/2013	118	149	-21	6	21	-71	544	792	-31
M-128	8/14/2013	116	122	-5	5	21	-76	588	802	-27
M-128	8/26/2013	117	122	-4	6	21	-71	590	802	-26
M-128	9/10/2013	112	122	-8	6	21	-73	591	802	-26
M-128	9/22/2013	116	122	-5	6	21	-71	559	802	-30
MO-101	8/12/2013	116	136	-15	7	23	-70	672	824	-18
MO-101	8/29/2013	117	136	-14	8	23	-65	682	842	-19

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**3rd Quarter 2013**

**Lost Creek ISR Project SUA-1598**

WELL NAME	SAMPLE COLLECTION DATE	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance (µS/cm)		
		Assay	UCL	% Diff	Assay	UCL	% Diff	Assay	UCL	% Diff
MO-101	9/26/2013	118	136	-13	7	23	-70	689	842	-18
MO-101	9/12/2103	113	136	-17	9	23	-60	683	842	-19
MO-102	8/12/2013	111	125	-11	6	21	-71	616	670	-8
MO-102	8/22/2013	122	125	-2	7	21	-67	625	670	-7
MO-102	9/26/2013	112	125	-10	7	21	-67	615	670	-8
MO-102	9/12/2103	108	125	-14	6	21	-70	648	670	-3
MO-103	8/12/2013	114	130	-12	6	21	-71	619	849	-27
MO-103	8/22/2013	115	130	-12	7	21	-67	642	849	-24
MO-103	9/16/2013	110	130	-15	6	21	-70	414	849	-51
MO-103	9/26/2013	114	130	-12	7	21	-67	645	849	-24
MO-104	8/12/2013	123	160	-23	9	24	-63	654	714	-8
MO-104	8/30/2013	127	160	-21	10	24	-58	652	714	-9
MO-104	9/26/2013	125	160	-22	9	24	-63	651	714	-9
MO-104	9/12/2103	120	160	-25	9	24	-63	675	714	-5
MO-105	8/12/2013	113	128	-12	5	20	-75	512	669	-23
MO-105	8/22/2013	113	128	-12	6	20	-70	526	669	-21
MO-105	9/26/2013	121	128	-5	6	20	-70	514	669	-23
MO-105	9/12/2103	110	128	-14	5	20	-73	525	669	-22
MO-106	8/8/2013	104	143	-27	6	20	-70	486	626	-22
MO-106	8/30/2013	115	143	-20	6	20	-70	504	626	-19
MO-106	9/16/2013	97	143	-32	6	20	-72	456	626	-27
MO-106	9/26/2013	96	143	-33	6	20	-70	492	626	-21
MO-107	8/8/2013	114	110	4	5	20	-75	495	502	-1
MO-107	8/30/2013	109	110	-1	6	20	-70	509	502	1
MO-107	9/16/2013	103	110	-6	4	20	-79	463	502	-8
MO-107	9/26/2013	109	110	-1	6	20	-70	518	502	3
MO-108	8/8/2013	111	118	-6	6	20	-70	524	513	2
MO-108	8/19/2013	106	118	-10	6	20	-70	548	513	7
MO-108	9/13/2013	109	118	-8	5	20	-73	530	513	3
MO-108	9/26/2013	113	118	-4	7	20	-65	588	513	15
MO-109	8/8/2013	111	120	-8	6	21	-71	516	567	-9
MO-109	8/19/2013	108	120	-10	6	21	-71	521	567	-8
MO-109	9/13/2013	106	120	-12	6	21	-73	530	567	-7
MO-109	9/26/2013	108	120	-10	6	21	-71	588	567	4
MO-110	8/12/2013	102	128	-20	5	23	-78	468	533	-12
MO-110	8/27/2013	104	128	-19	5	23	-78	462	533	-13
MO-110	9/13/2013	98	128	-23	6	23	-75	462	533	-13
MO-110	9/24/2013	102	128	-20	6	23	-74	468	533	-12
MO-111	8/7/2013	103	115	-10	5	20	-75	372	639	-42

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**3rd Quarter 2013**

**Lost Creek ISR Project SUA-1598**

WELL NAME	SAMPLE COLLECTION DATE	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance (µS/cm)		
		Assay	UCL	% Diff	Assay	UCL	% Diff	Assay	UCL	% Diff
MO-111	8/19/2013	99	115	-14	5	20	-75	473	639	-26
MO-111	9/13/2013	104	115	-10	6	20	-72	449	639	-30
MO-111	9/24/2013	105	115	-9	6	20	-70	460	639	-28
MO-112	8/7/2013	111	252	-56	6	22	-73	363	541	-33
MO-112	8/19/2013	113	252	-55	6	22	-73	453	541	-16
MO-112	9/13/2013	108	252	-57	6	22	-71	437	541	-19
MO-112	9/24/2013	113	252	-55	6	22	-73	453	541	-16
MO-113	8/7/2013	123	121	2	5	21	-76	401	484	-17
MO-113	8/27/2013	111	121	-8	6	21	-71	467	484	-4
MO-113	9/13/2013	108	121	-11	6	21	-73	478	484	-1
MO-113	9/24/2013	111	121	-8	6	21	-71	484	484	0
MU-101	8/12/2013	86	157	-45	5	20	-75	529	653	-19
MU-101	8/29/2013	115	157	-27	6	20	-70	581	653	-11
MU-101	9/12/2013	113	157	-28	6	20	-72	579	653	-11
MU-101	9/26/2013	117	157	-25	5	20	-75	590	653	-10
MU-102	8/12/2013	109	119	-8	5	19	-74	447	507	-12
MU-102	8/23/2013	110	119	-8	5	19	-74	485	507	-4
MU-102	9/26/2013	110	119	-8	5	19	-74	452	507	-11
MU-102	9/12/2103	107	119	-10	5	19	-74	469	507	-7
MU-103	8/12/2013	34	213	-84	5	20	-75	483	560	-14
MU-103	8/30/2013	109	213	-49	5	20	-75	465	560	-17
MU-103	9/16/2013	98	213	-54	6	20	-72	588	560	5
MU-103	9/26/2013	108	213	-49	5	20	-75	478	560	-15
MU-104	8/8/2013	113	159	-29	6	21	-71	510	572	-11
MU-104	8/30/2013	106	159	-33	6	21	-71	513	572	-10
MU-104	9/26/2013	105	159	-34	6	21	-71	517	572	-10
MU-104	9/12/2103	101	159	-36	6	21	-73	513	572	-10
MU-105	8/12/2013	116	124	-6	5	19	-74	489	562	-13
MU-105	8/22/2013	109	124	-12	5	19	-74	469	562	-17
MU-105	9/26/2013	109	124	-12	5	19	-74	463	562	-18
MU-105	9/12/2103	103	124	-17	5	19	-74	477	562	-15
MU-106	8/8/2013	113	137	-18	6	20	-70	489	522	-6
MU-106	8/22/2013	109	137	-20	6	20	-70	484	522	-7
MU-106	9/16/2013	106	137	-23	6	20	-68	456	522	-13
MU-106	9/26/2013	115	137	-16	5	20	-75	541	522	4
MU-107	8/8/2013	113	136	-17	5	20	-75	497	556	-11
MU-107	8/22/2013	108	136	-21	5	20	-75	497	556	-11
MU-107	9/16/2013	103	136	-24	5	20	-75	457	556	-18
MU-107	9/26/2013	109	136	-20	5	20	-75	497	556	-11

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3rd Quarter 2013  
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WELL NAME	SAMPLE COLLECTION DATE	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance (µS/cm)		
		Assay	UCL	% Diff	Assay	UCL	% Diff	Assay	UCL	% Diff
KPW-2	8/8/2013	123	136	-10	5	21	-76	505	615	-18
KPW-2	8/19/2013	109	136	-20	5	21	-76	513	615	-17
KPW-2	9/13/2013	104	136	-24	6	21	-73	507	615	-18
KPW-2	9/26/2013	108	136	-21	5	21	-76	526	615	-14
MU-109	8/8/2013	66	196	-66	6	23	-74	431	525	-18
MU-109	8/19/2013	96	196	-51	6	23	-74	463	525	-12
MU-109	9/13/2013	87	196	-56	6	23	-75	467	525	-11
MU-109	9/26/2013	81	196	-59	6	23	-74	483	525	-8
MU-110	8/6/2013	88	144	-39	6	24	-75	493	596	-17
MU-110	8/27/2013	85	144	-41	6	24	-75	463	596	-22
MU-110	9/13/2013	78	144	-46	6	24	-76	470	596	-21
MU-110	9/24/2013	98	144	-32	6	24	-75	473	596	-21
MU-111	8/7/2013	95	188	-49	5	22	-77	431	652	-34
MU-111	8/19/2013	98	188	-48	5	22	-77	527	652	-19
MU-111	9/13/2013	95	188	-49	6	22	-74	523	652	-20
MU-111	9/24/2013	99	188	-47	5	22	-77	544	652	-17
MU-112	8/7/2013	91	224	-59	5	24	-79	389	483	-19
MU-112	8/19/2013	93	224	-58	5	24	-79	478	483	-1
MU-112	9/13/2013	90	224	-60	5	24	-79	474	483	-2
MU-112	9/24/2013	94	224	-58	5	24	-79	484	483	0
MU-113	8/7/2013	67	140	-52	6	25	-76	372	590	-37
MU-113	8/23/2013	86	140	-39	6	25	-76	475	590	-19
MU-113	9/13/2013	74	140	-47	6	25	-77	462	590	-22
MU-113	9/24/2013	90	140	-36	6	25	-76	509	590	-14

UCL - Upper Control Limit

% Diff - Percent difference between the UCL and the assay result

mg/L - milligrams per liter

µS/cm - microsiemens per centimeter