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LOST CREEK ISR, LLC

January 30, 2016

UIC Program Supervisor
WDEQ – Water Quality Division
Herschler Building – 4W
122 W. 25th Street
Cheyenne, WY 82002

RE: Quarterly Report for 4th Quarter 2015
UIC Class I Permit 13-409
Lost Creek ISR Project, Sweetwater County, WY

Dear Program Supervisor,

The attached Quarterly Report for the Lost Creek ISR Project has been submitted in accordance with the requirements of Class I Underground Injection Control (UIC) Permit 13-409 Section K. The reporting period for this Quarterly Report is the fourth calendar quarter of 2015 from October 1 to December 31, 2015.

If you have any questions regarding this submittal, please contact me at the Casper Office.

Regards,

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

Attachments: UIC Class I Quarterly Report

Cc: Theresa Horne, Ur-Energy, Littleton Office (via e-mail)
Brian Wood, WDEQ-LQD, Lander (via e-mail)
John Saxton, NRC Project Manager (via e-mail)

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**UIC CLASS I QUARTERLY REPORT
for the
LOST CREEK ISR PROJECT
4th Quarter 2015**



**LOST CREEK ISR, LLC
SWEETWATER COUNTY, WY**

UIC PERMIT 13-409

**Prepared by Ur-Energy for
Wyoming Department of Environmental Quality -
Water Quality Division – Underground Injection Control**

January 30, 2015



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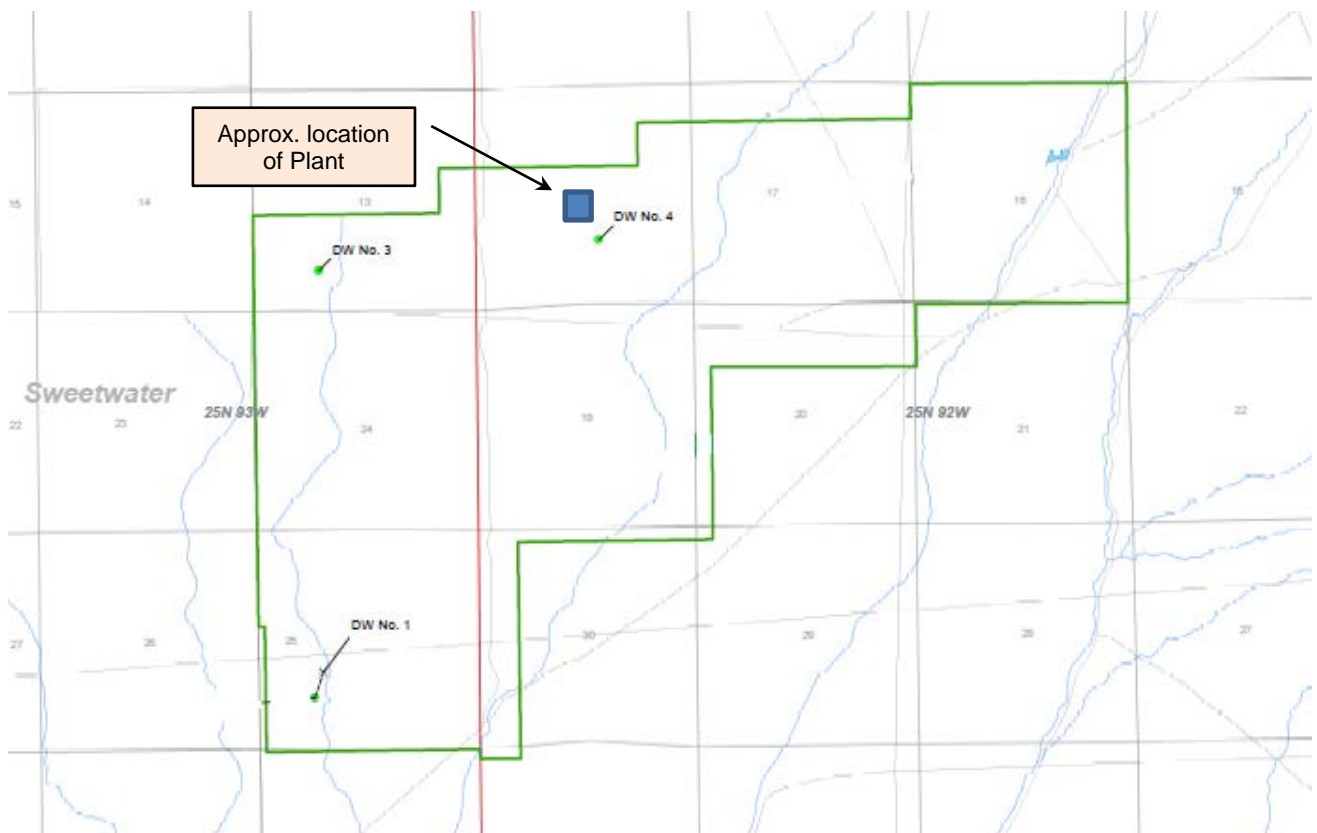


1.0 Introduction

The period covered by this report is the fourth calendar quarter of 2015 from October 1 to December 31, 2015.

Three disposal wells were operational during the reporting period: LC DW No. 1 (“DW-1”), LC DW No. 3 (“DW-3”), and LC DW No. 4 (“DW-4”). Well locations (labeled) are shown below in relation to the Permit to Mine boundary (green line):

FIGURE 1: Well Locations



DW-1, DW-3, and DW-4 were operated intermittently during the quarter. Operational data was monitored and recorded electronically with redundant data logging.

As per permit requirements, the following elements from Section K(6) of the UIC Permit have been included in this report:

- a. Minimum, volume-weighted average, and maximum instantaneous injection rates for each well for each month*
- b. Minimum, average, and maximum daily injection pressures for each well for each month*



- c. Total injection volume in barrels (bbl) for each well for each month, total for the quarter, and cumulative volume of waste injected to date.
- d. Maximum and minimum annulus pressures for each month with alarm/kill pressure value
- e. Quarterly analytical results
- f. Permit exceedances during the quarter
- g. Any alarms or shutdowns and corrective actions
- h. Summary of well tests or workovers

2.0 Summary Data

Tables 1A, 1B, 1C, and 2 below provide a data summary for above items **a**, **c**, and **d** above. Data for item **b** above is provided in **Appendix 1** including tables and charts of the daily injection pressure values.

Table 1A: Operational Data Summary for DW-1

PARAMETER	UNITS	LC DW No. 1			
		October 2015	November 2015	December 2015	Quarter Total/Avg
Operation Time	min	25965	28633	9414	21337
% Run Time	%	58%	66%	21%	0
Injection Rate Minimum Instantaneous	gpm	0	0	0	0
Injection Rate Average (TWA)	gpm	2	2	1	2
Injection Rate Maximum Instantaneous	gpm	3	3	2	3
Injection Rate Maximum Permit Limit	gpm	50			50
Injection Pressure Daily Minimum	psig	469	495	0	321
Injection Pressure Daily Average	psig	566	572	371	503
Injection Pressure Daily Maximum	psig	599	599	592	597
Injection Pressure Permit Limit (LSIP)	psig	609			609
Injection Pressure Automatic Kill	psig	600			600
Injection Volume	gal	60361	45083	12481	117926
Injection Volume	bbl	1437	1073	297	2808
Annulus Pressure Minimum	psig	282	290	291	287
Annulus Pressure Average	psig	294	296	304	298
Annulus Pressure Maximum	psig	400	304	321	342
Annulus Pressure Permit Limit	psig	200-800			200-800
Annulus Pressure Automatic Kill	psig	N/A			N/A

**Data combined from digital data and manual readings (See Section 5.0)*



Table 1B: Operational Data Summary for DW-3

PARAMETER	UNITS	LC DW No. 3			
		October 2015	November 2015	December 2015	Quarter Total/Avg
Operation Time	min	41967	39625	40628	40740
% Run Time	%	94%	92%	91%	1
Injection Rate Minimum Instantaneous	gpm	0	0	0	0
Injection Rate Average (TWA)	gpm	12	10	11	11
Injection Rate Maximum Instantaneous	gpm	56	34	53	48
Injection Rate Maximum Permit Limit	gpm	50			50
Injection Pressure Daily Minimum	psig	0	707	0	236
Injection Pressure Daily Average	psig	788	847	819	818
Injection Pressure Daily Maximum	psig	875	910	914	899
Injection Pressure Permit Limit (LSIP)	psig	915			915
Injection Pressure Automatic Kill	psig	910			910
Injection Volume	gal	503656	388797	462463	1354916
Injection Volume	bbl	11992	9257	11011	32260
Annulus Pressure Minimum	psig	268	259	260	263
Annulus Pressure Average	psig	276	280	274	277
Annulus Pressure Maximum	psig	284	288	286	286
Annulus Pressure Permit Limit	psig	200-800			200-800
Annulus Pressure Automatic Kill	psig	N/A			N/A



Table 1C: Operational Data Summary for DW-4

PARAMETER	UNITS	LC DW No. 4			
		October 2015	November 2015	December 2015	Quarter Total/Avg
Operation Time	min	30879	31398	36991	33090
% Run Time	%	69%	73%	83%	1
Injection Rate Minimum Instantaneous	gpm	0	0	0	0
Injection Rate Average (TWA)	gpm	14	15	12	14
Injection Rate Maximum Instantaneous	gpm	19	18	20	19
Injection Rate Maximum Permit Limit	gpm	50			50
Injection Pressure Daily Minimum	psig	148	0	0	49
Injection Pressure Daily Average	psig	765	758	778	767
Injection Pressure Daily Maximum	psig	854	838	827	840
Injection Pressure Permit Limit (LSIP)	psig	838			838
Injection Pressure Automatic Kill	psig	830			830
Injection Volume	gal	432316	461710	455891	1349917
Injection Volume	bbl	10293	10993	10855	32141
Annulus Pressure Minimum	psig	283	281	276	280
Annulus Pressure Average	psig	295	293	296	295
Annulus Pressure Maximum	psig	322	305	323	317
Annulus Pressure Permit Limit	psig	200-800			200-800
Annulus Pressure Automatic Kill	psig	N/A			N/A

Table 2: Cumulative Injection Volumes to Date

TIME PERIOD	UNITS	LC DW No. 1	LC DW No. 3	LC DW No. 4
2013	bbl	14,625	N/A	6,471
2014	bbl	31,278	8,239	164,694
2015 1 st Quarter	bbl	3,864	42,561	19,702
2015 2 nd Quarter	bbl	4,894	31,486	27,784
2015 3 rd Quarter	bbl	3,400	23,806	26,373
2015 4 th Quarter	bbl	2,808	32,260	32,141
CUMULATIVE TOTAL TO DATE	bbl	60,869	138,352	277,164



3.0 Analytical Results

A quarterly grab sample of the injectate was collected from the Plant waste water line upstream of the branch points to each individual well. Sample parameters pH, conductivity, and temperature were measured with a field meter at the sampling site and other applicable parameters were analyzed by Energy Laboratories in Casper, WY. Results of the sample analyses are summarized in **Table 3** below and the associated lab report is included as **Appendix 2**.

Table 3: Analytical Results Summary

Sample ID: DW-Injectate			
Sample Date: 12/17/2015			
Lab Analyte or Parameter	Method Used	Results	Units
pH, field	SM4500-H ⁺ B	6.57	s.u.
Specific Cond. at 25°C, field	120.1	14,650	uS/cm
Temperature, field	SM2550B	12.9	°C
Specific Gravity	n/a	1.005	- -
Total Dissolved Solids	SM2540C	8,180	mg/L
Bicarbonate	SM2320B	471	mg/L
Carbonate	SM2320B	ND(5)	mg/L
Chloride, total	300.0	4,280	mg/L
Sulfate, total	300.0	609	mg/L
Sulfide (as hydrogen sulfide)	A4500-S F	ND(1)	mg/L
Arsenic, dissolved	200.8	0.008	mg/L
Selenium, dissolved	200.8	0.157	mg/L
Vanadium, dissolved	200.8	0.03	mg/L
Uranium, total	200.7	5.2	mg/L
Radium-226, total	E903.0	722	pCi/L

The only constituent with a limit as defined in the Permit is pH which must have a value between 2.0 and 12.5. The determined value for pH of 6.57 was within the limit.

4.0 Permit Exceedances

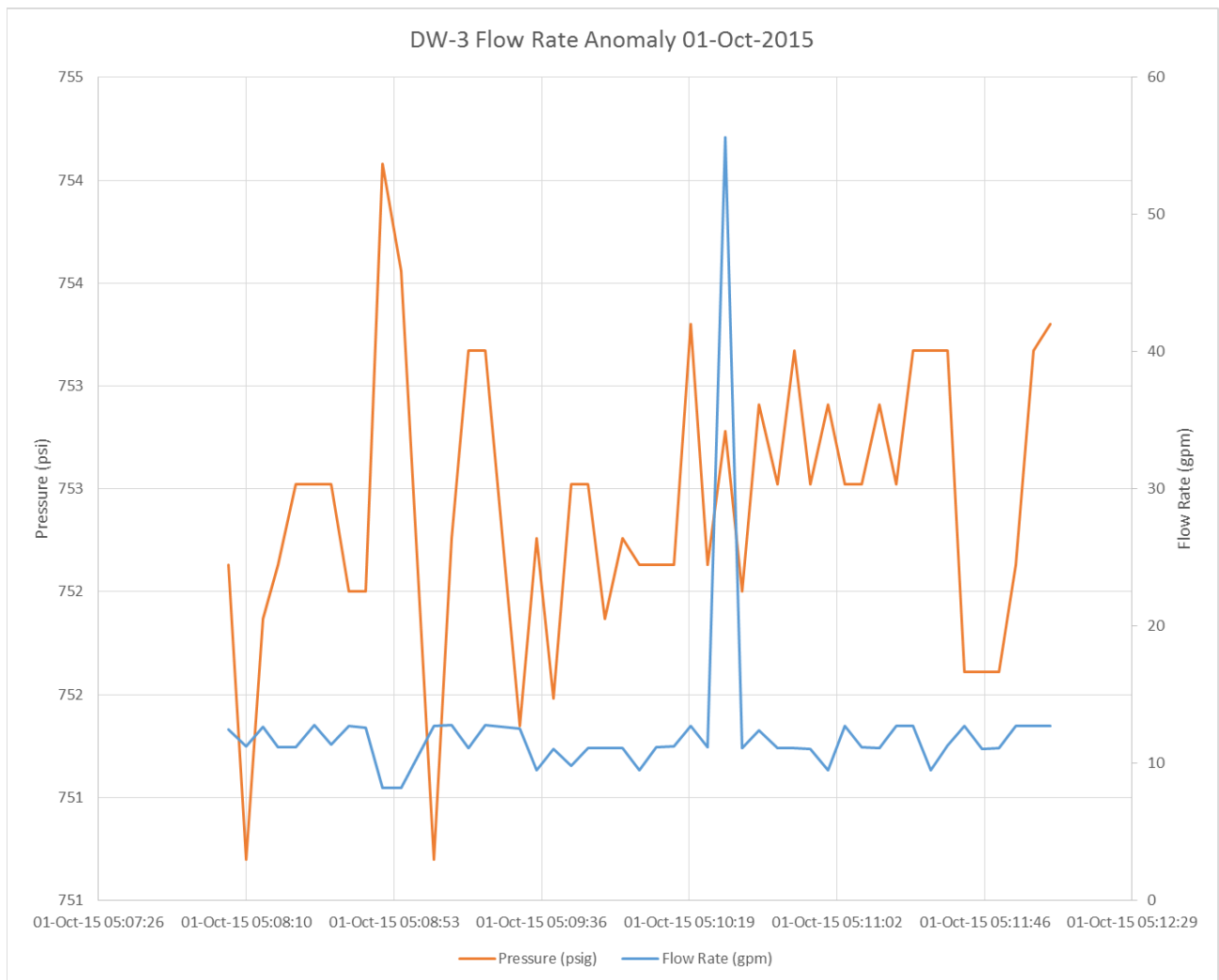
There were no exceedances of Permit-defined limits for DW-1. The following exceedances for DW-3 and DW-4, summarized on **Table 4** below, occurred during the reporting quarter.



TABLE 4: Summary of Exceedances

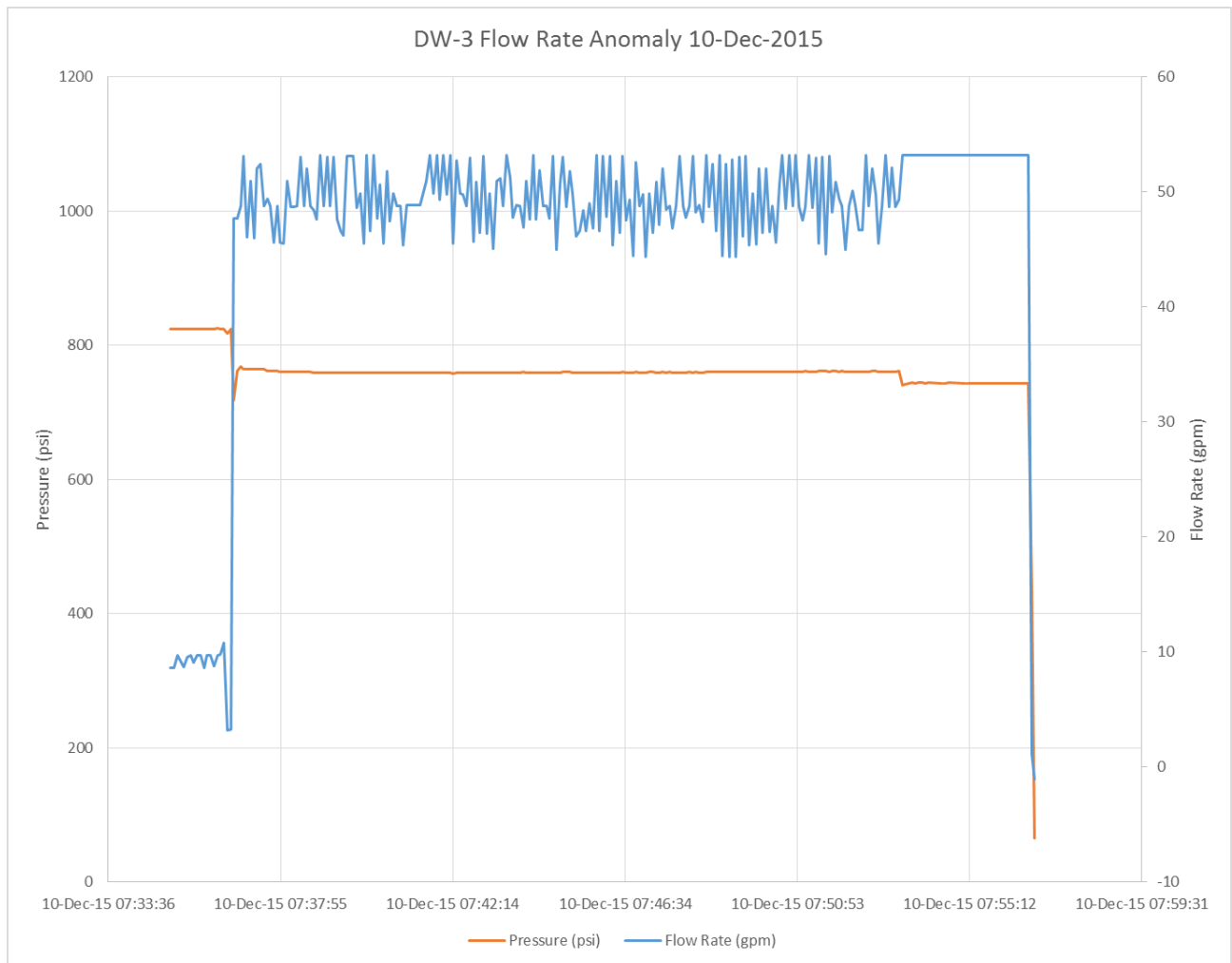
Event	Well	Date	Limit Exceeded	Peak Value	Permit Limit	Comment
1	DW-3	10/1/2015	Flow Rate	56 gpm	50 gpm	Flow meter error
2	DW-3	12/10/2015	Flow Rate	53 gpm	50 gpm	Flow meter error
3	DW-3	12/15/2015	Flow Rate	53 gpm	50 gpm	Flow meter error
4	DW-4	10/26/2015	Pressure	854 psi	838 psi	Pressure spike when well shut down.

Event 1: This was a brief spike in the flow rate due to unknown cause. The cause may likely be the fouling or failure of the turbines in the turbine-type flow meters.



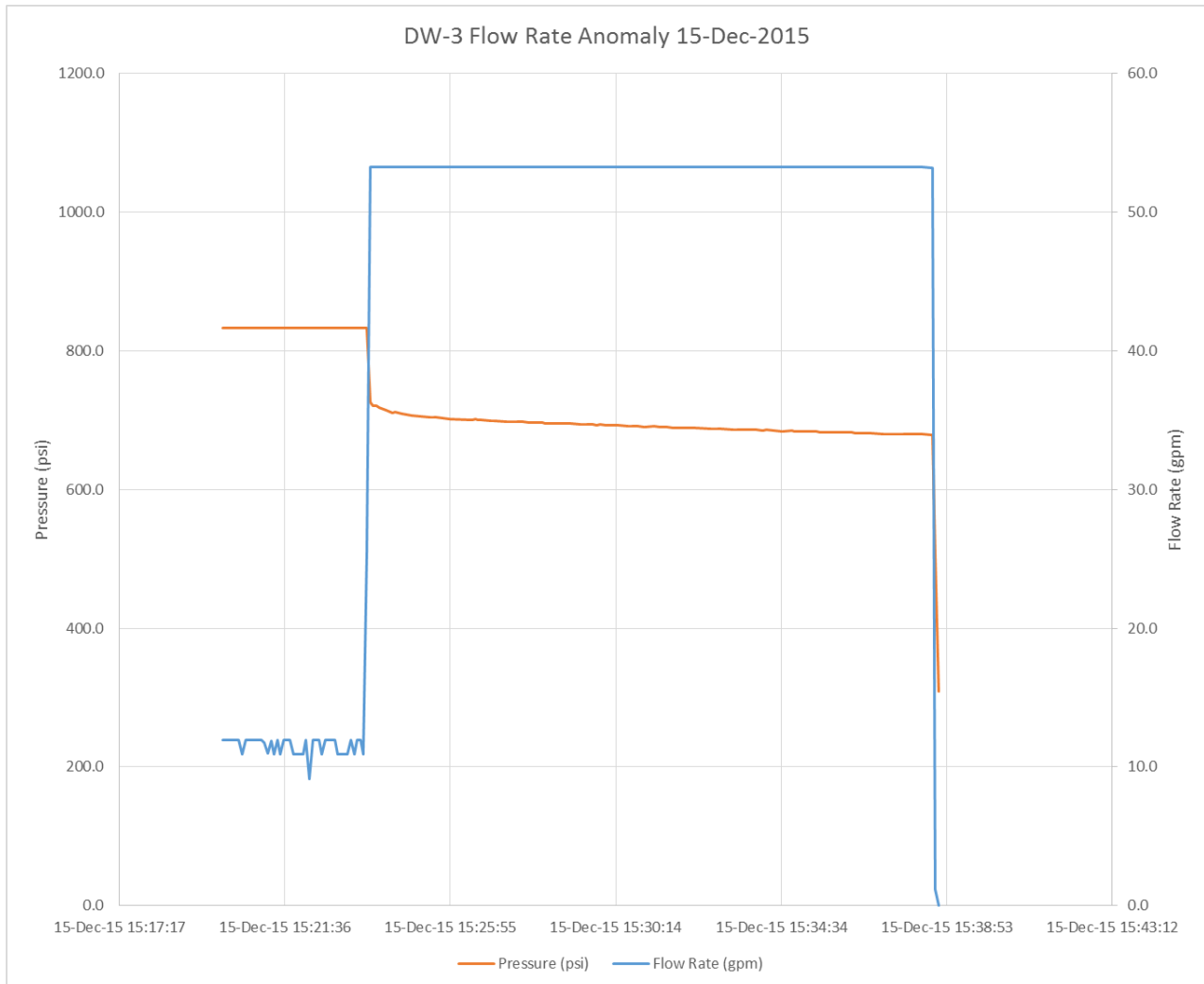


Event 2: It is theorized that the flow rate increased due to a sudden change in the receiving formation that would have allowed greater flow to enter the injection zone. Note the instantaneous rise in flow rate accompanied by a drop in pressure likely indicating an increase in flow capacity. Additionally, the injection pressure limit had not been exceeded to indicate that it was not likely that any fracturing of the receiving formation occurred. The operators shut down the well upon discovery of the increased flow rate. The total daily flow volume for December 10 was 262 bbl which was significantly less than the daily limit of 1,714 bbl/day.



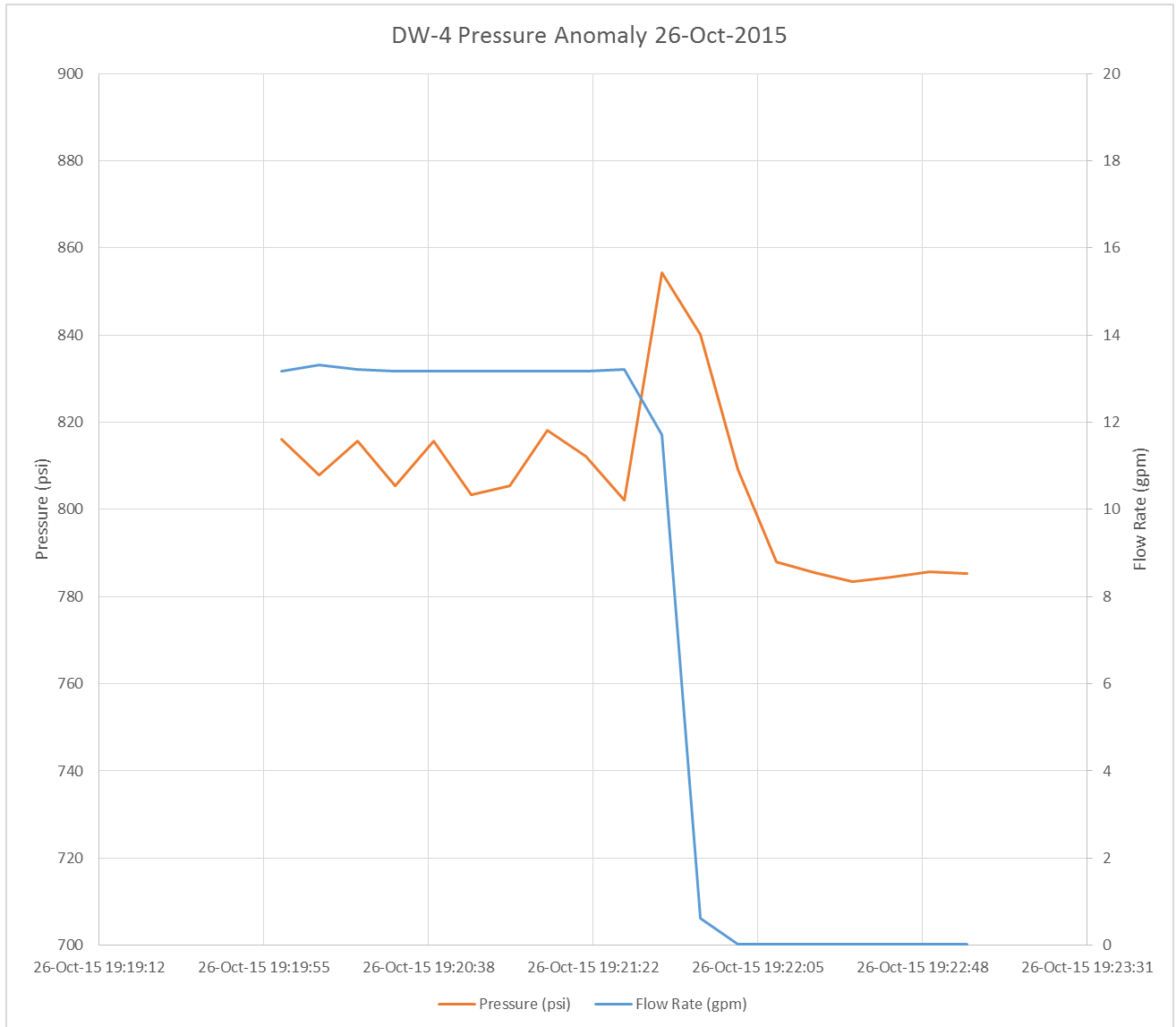


Event 3: This was likely due to an error in the data collection system. Note that the flow rate increased instantaneously and remained constant likely indicating a data recording or an electrical system problem. The well was shut down by operators upon discovery of the excessive flow rate. It should also be noted that the injection pressure limit had not been exceeded. The total daily flow volume for December 15 was 369 bbl which was significantly less than the daily limit of 1,714 bbl/day.





Event 4: A brief pressure spike occurred upon shutdown of the well. The well was shut off remotely from the Plant Control Room. Note that the spike occurred after the flow rate dropped following shut down.





5.0 Alarms, Shut-Downs, and Corrective Actions

Voluntary shutdowns or other issues occurred during the quarter:

- DW-1: 12/8 – 12/31/2015. Well shut in for pump repairs.
- DW-3: 10/18 – 10/19/2015. System communication issues repaired.
- DW-3: 12/2 – 12/3/2015. Well shut in for pump maintenance.
- DW-3: Late December. Turbine meter repair kits ordered to rebuild faulty flow meters.
- DW-4: 11/3 – 11/4/2015. Well shut in for maintenance.
- DW-4: 12/7 – 12/8/2015. Well shut in for pump replacement.

Other shutdowns either automatically or manually occur frequently due to pressure increases or due to maintenance activity such as changing inline filters or program changes. Intermittent operation of the injection systems is typical.

Corrective actions for exceedances described above include:

- Event 1 and 3: As a result of the erratic data likely due to instrument fouling or an electrical system error, the turbine-style flow rate meters will be removed and rebuilt with repair kits in an attempt to correct the erroneous flow readings. The repairs will be described in the next quarterly report. The programming and electrical hardware will be reviewed to determine if there was an error in data collection.
- Event 2: The data collection program will be reviewed and if feasible, an automatic shutoff will be installed for flow rate exceedance.
- Event 4: No corrective action is proposed since the spike is an anomaly of the system. Pressure dampeners have already been installed in the system.

Testing of the pressure switches to determine actual automatic shutdown pressures, both digital and analog, occurred on November 6 and December 30, 2015. Results of the testing are summarized on **Table 5**:



TABLE 5: Summary of Automatic Pressure Shutoff Testing

Well	Pressure Limit (psi)	Test Date	Digital Automatic Pressure Shutoff At (psi)	Digital Shutoff Reset To (psi)	Manual Pressure Switch Shutoff At (psi)	Manual Shutoff Reset To (psi)
DW-1	609	11/6/2015	600	N/A	601	606
DW-1	609	12/30/2015*	N/A	N/A	N/A	N/A
DW-3	915	11/6/2015	900	N/A	897	907
DW-3	915	12/30/2015	900	N/A	N/A	N/A
DW-4	838	11/6/2015	825	N/A	828	828
DW-4	838	12/30/2015	825	N/A	827	828

**Well offline*

6.0 Summary of Well Tests or Workovers

No testing or workovers occurred during the quarter.



APPENDIX 1

**APPENDIX 1: Daily Injection Pressures
DW-1 4th Quarter 2015
Lost Creek ISR Project 13-409**

Date	Daily Minimum Injection Pressure (psi)	Daily Average Injection Pressure (psi)	Daily Maximum Injection Pressure (psi)	Automatic Shutdown Pressure (psi)	Maximum Injection Pressure Limit (psi)	Comments
10/1/2015	482	501	518	600	609	
10/2/2015	508	516	520	600	609	
10/3/2015	470	513	557	600	609	
10/4/2015	501	555	583	600	609	
10/5/2015	570	580	590	600	609	
10/6/2015	480	520	594	600	609	
10/7/2015	470	528	559	600	609	
10/8/2015	513	563	596	600	609	
10/9/2015	504	555	598	600	609	
10/10/2015	493	557	595	600	609	
10/11/2015	502	541	598	600	609	
10/12/2015	502	573	583	600	609	
10/13/2015	501	548	593	600	609	
10/14/2015	469	501	570	600	609	
10/15/2015	510	556	596	600	609	
10/16/2015	534	575	595	600	609	
10/17/2015	507	563	595	600	609	
10/18/2015	532	573	582	600	609	
10/19/2015	535	573	593	600	609	
10/20/2015	549	585	593	600	609	
10/21/2015	538	575	597	600	609	
10/22/2015	522	553	592	600	609	
10/23/2015	538	575	593	600	609	
10/24/2015	528	573	594	600	609	
10/25/2015	512	554	599	600	609	
10/26/2015	524	567	599	600	609	
10/27/2015	539	574	594	600	609	
10/28/2015	530	572	599	600	609	
10/29/2015	520	559	592	600	609	
10/30/2015	516	556	597	600	609	
10/31/2015	518	562	591	600	609	
11/1/2015	539	550	560	600	609	
11/2/2015	543	571	598	600	609	
11/3/2015	537	574	593	600	609	
11/4/2015	537	577	598	600	609	
11/5/2015	543	575	595	600	609	
11/6/2015	557	574	585	600	609	
11/7/2015	537	571	591	600	609	
11/8/2015	556	575	587	600	609	
11/9/2015	553	569	582	600	609	
11/10/2015	556	564	585	600	609	
11/11/2015	528	566	599	600	609	

**APPENDIX 1: Daily Injection Pressures
DW-1 4th Quarter 2015
Lost Creek ISR Project 13-409**

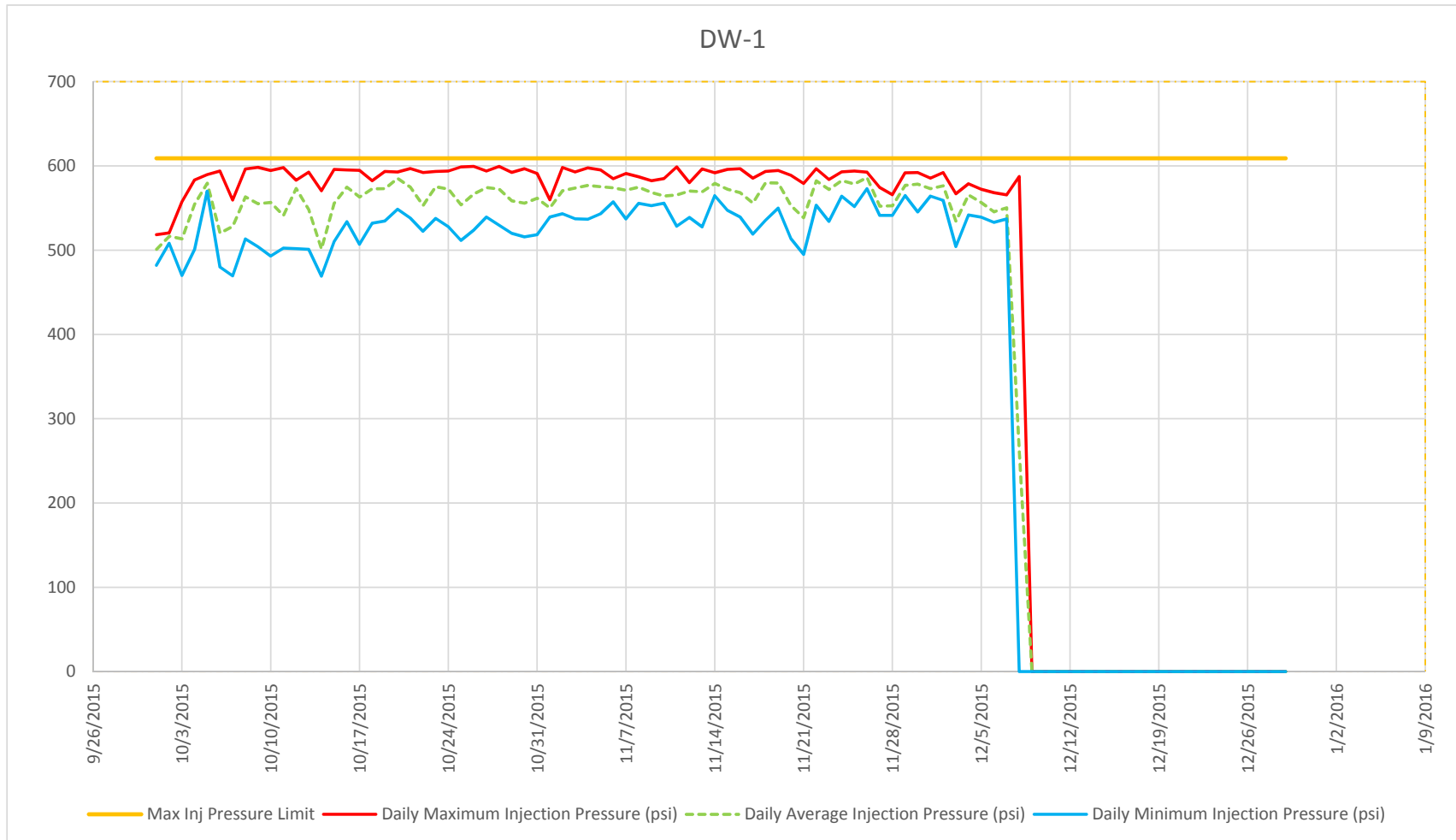
Date	Daily Minimum Injection Pressure (psi)	Daily Average Injection Pressure (psi)	Daily Maximum Injection Pressure (psi)	Automatic Shutdown Pressure (psi)	Maximum Injection Pressure Limit (psi)	Comments
11/12/2015	539	570	580	600	609	
11/13/2015	528	569	596	600	609	
11/14/2015	565	579	592	600	609	
11/15/2015	547	572	596	600	609	
11/16/2015	539	568	597	600	609	
11/17/2015	519	556	585	600	609	
11/18/2015	535	580	593	600	609	
11/19/2015	550	580	595	600	609	
11/20/2015	514	553	589	600	609	
11/21/2015	495	539	579	600	609	
11/22/2015	553	582	597	600	609	
11/23/2015	534	572	584	600	609	
11/24/2015	564	583	593	600	609	
11/25/2015	552	579	594	600	609	
11/26/2015	573	586	593	600	609	
11/27/2015	541	552	574	600	609	
11/28/2015	541	553	566	600	609	
11/29/2015	565	577	592	600	609	
11/30/2015	545	578	592	600	609	
12/1/2015	564	573	585	600	609	
12/2/2015	559	576	592	600	609	
12/3/2015	504	534	567	600	609	
12/4/2015	542	566	579	600	609	
12/5/2015	539	557	572	600	609	
12/6/2015	533	546	568	600	609	
12/7/2015	537	550	566	600	609	
12/8/2015	0	260	587	600	609	Shut down for pump repair
12/9/2015	0	0	0	600	609	Shut down for pump repair
12/10/2015	0	0	0	600	609	Shut down for pump repair
12/11/2015	0	0	0	600	609	Shut down for pump repair
12/12/2015	0	0	0	600	609	Shut down for pump repair
12/13/2015	0	0	0	600	609	Shut down for pump repair
12/14/2015	0	0	0	600	609	Shut down for pump repair
12/15/2015	0	0	0	600	609	Shut down for pump repair
12/16/2015	0	0	0	600	609	Shut down for pump repair
12/17/2015	0	0	0	600	609	Shut down for pump repair
12/18/2015	0	0	0	600	609	Shut down for pump repair
12/19/2015	0	0	0	600	609	Shut down for pump repair
12/20/2015	0	0	0	600	609	Shut down for pump repair
12/21/2015	0	0	0	600	609	Shut down for pump repair
12/22/2015	0	0	0	600	609	Shut down for pump repair
12/23/2015	0	0	0	600	609	Shut down for pump repair

**APPENDIX 1: Daily Injection Pressures
 DW-1 4th Quarter 2015
 Lost Creek ISR Project 13-409**

Date	Daily Minimum Injection Pressure (psi)	Daily Average Injection Pressure (psi)	Daily Maximum Injection Pressure (psi)	Automatic Shutdown Pressure (psi)	Maximum Injection Pressure Limit (psi)	Comments
12/24/2015	0	0	0	600	609	Shut down for pump repair
12/25/2015	0	0	0	600	609	Shut down for pump repair
12/26/2015	0	0	0	600	609	Shut down for pump repair
12/27/2015	0	0	0	600	609	Shut down for pump repair
12/28/2015	0	0	0	600	609	Shut down for pump repair
12/29/2015	0	0	0	600	609	Shut down for pump repair
12/30/2015	0	0	0	600	609	Shut down for pump repair
12/31/2015	0	0	0	600	609	Shut down for pump repair

psi: pounds per square inch

APPENDIX 1: Daily Injection Pressures
DW-1 4th Quarter 2015
Lost Creek ISR Project 13-409



**APPENDIX 1: Daily Injection Pressures
DW-3 4th Quarter 2015
Lost Creek ISR Project 13-409**

Date	Daily Minimum Injection Pressure (psi)	Daily Average Injection Pressure (psi)	Daily Maximum Injection Pressure (psi)	Automatic Shutdown Pressure (psi)	Maximum Injection Pressure Limit (psi)	Comments
10/1/2015	699	768	804	910	915	
10/2/2015	781	801	819	910	915	
10/3/2015	774	794	820	910	915	
10/4/2015	774	796	825	910	915	
10/5/2015	775	787	820	910	915	
10/6/2015	818	834	844	910	915	
10/7/2015	800	810	839	910	915	
10/8/2015	816	829	846	910	915	
10/9/2015	840	843	850	910	915	
10/10/2015	809	822	842	910	915	
10/11/2015	810	831	860	910	915	
10/12/2015	849	862	869	910	915	
10/13/2015	830	836	850	910	915	
10/14/2015	847	862	875	910	915	
10/15/2015	840	844	866	910	915	
10/16/2015	823	841	857	910	915	
10/17/2015	815	821	825	910	915	
10/18/2015	0	108	839	910	915	Shut down for maintenance
10/19/2015	0	225	778	910	915	
10/20/2015	777	810	831	910	915	
10/21/2015	813	818	833	910	915	
10/22/2015	814	820	845	910	915	
10/23/2015	844	848	859	910	915	
10/24/2015	817	833	863	910	915	
10/25/2015	819	839	861	910	915	
10/26/2015	841	846	851	910	915	
10/27/2015	848	854	858	910	915	
10/28/2015	841	849	859	910	915	
10/29/2015	818	833	867	910	915	
10/30/2015	791	814	851	910	915	
10/31/2015	792	821	847	910	915	
11/1/2015	843	850	861	910	915	
11/2/2015	859	873	879	910	915	
11/3/2015	846	864	876	910	915	
11/4/2015	845	852	870	910	915	
11/5/2015	869	880	886	910	915	
11/6/2015	796	850	886	910	915	
11/7/2015	832	862	882	910	915	
11/8/2015	755	796	867	910	915	
11/9/2015	707	796	852	910	915	
11/10/2015	816	833	850	910	915	
11/11/2015	836	872	891	910	915	

**APPENDIX 1: Daily Injection Pressures
DW-3 4th Quarter 2015
Lost Creek ISR Project 13-409**

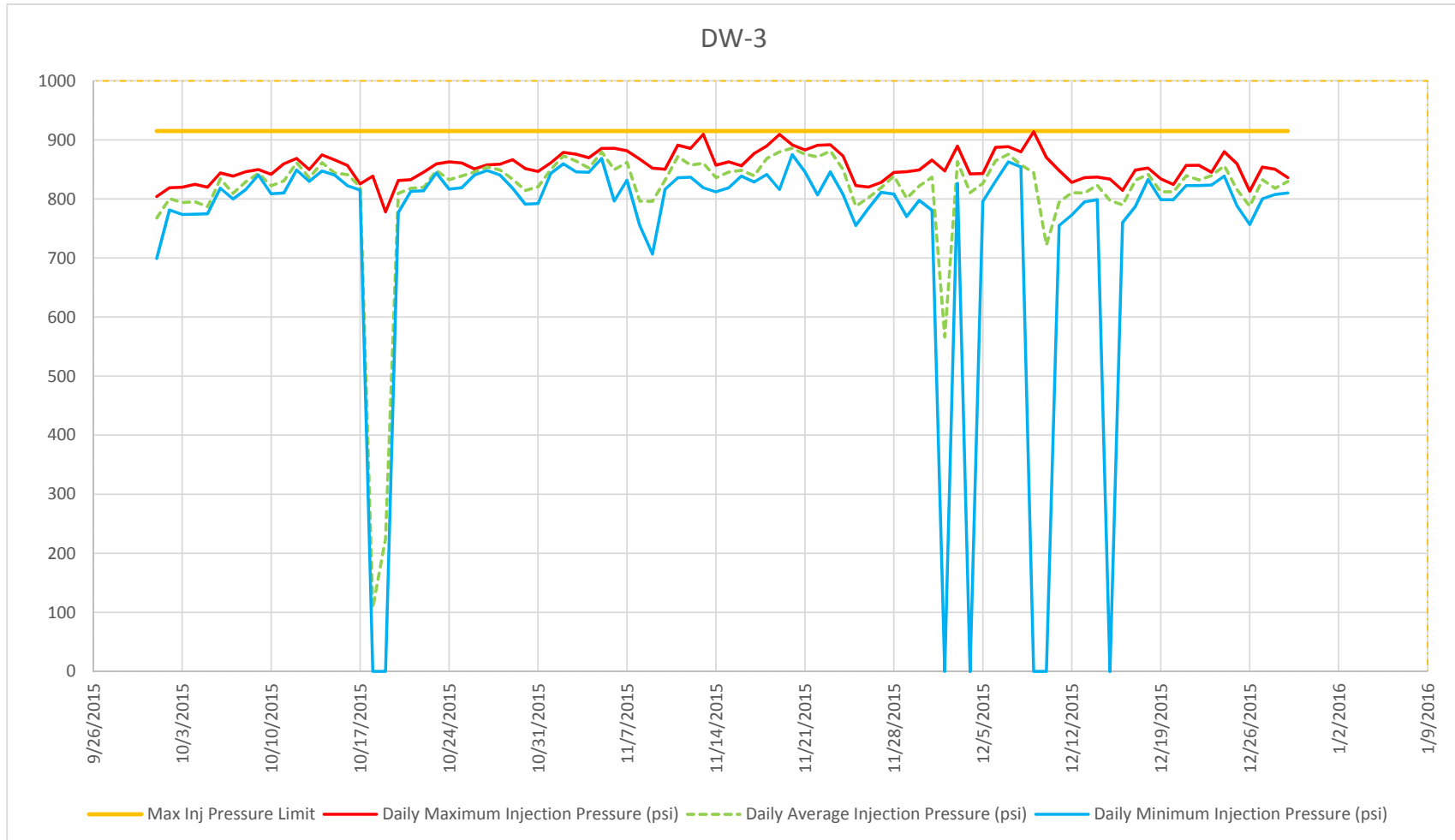
Date	Daily Minimum Injection Pressure (psi)	Daily Average Injection Pressure (psi)	Daily Maximum Injection Pressure (psi)	Automatic Shutdown Pressure (psi)	Maximum Injection Pressure Limit (psi)	Comments
11/12/2015	837	857	885	910	915	
11/13/2015	819	861	910	910	915	
11/14/2015	812	836	857	910	915	
11/15/2015	819	846	863	910	915	
11/16/2015	839	848	856	910	915	
11/17/2015	829	839	877	910	915	
11/18/2015	841	869	890	910	915	
11/19/2015	816	880	909	910	915	
11/20/2015	875	886	891	910	915	
11/21/2015	846	876	883	910	915	
11/22/2015	807	871	891	910	915	
11/23/2015	846	881	892	910	915	
11/24/2015	808	850	873	910	915	
11/25/2015	755	788	823	910	915	
11/26/2015	784	802	820	910	915	
11/27/2015	811	819	828	910	915	
11/28/2015	808	839	845	910	915	
11/29/2015	770	801	846	910	915	
11/30/2015	798	822	849	910	915	
12/1/2015	781	837	866	910	915	
12/2/2015	0	566	847	910	915	Shut down for pump maintenance
12/3/2015	826	863	889	910	915	
12/4/2015	0	811	842	910	915	
12/5/2015	796	827	843	910	915	
12/6/2015	830	865	887	910	915	
12/7/2015	863	876	888	910	915	
12/8/2015	854	858	880	910	915	
12/9/2015	0	845	914	910	915	
12/10/2015	0	722	870	910	915	Shut down - flow rate anomaly.
12/11/2015	755	795	848	910	915	
12/12/2015	773	811	828	910	915	
12/13/2015	795	810	836	910	915	
12/14/2015	799	823	837	910	915	
12/15/2015	0	798	834	910	915	Shut down - flow rate anomaly.
12/16/2015	760	790	814	910	915	
12/17/2015	787	832	849	910	915	
12/18/2015	833	842	852	910	915	
12/19/2015	799	812	834	910	915	
12/20/2015	799	812	824	910	915	
12/21/2015	823	839	857	910	915	
12/22/2015	823	832	857	910	915	
12/23/2015	824	840	845	910	915	

**APPENDIX 1: Daily Injection Pressures
 DW-3 4th Quarter 2015
 Lost Creek ISR Project 13-409**

Date	Daily Minimum Injection Pressure (psi)	Daily Average Injection Pressure (psi)	Daily Maximum Injection Pressure (psi)	Automatic Shutdown Pressure (psi)	Maximum Injection Pressure Limit (psi)	Comments
12/24/2015	839	856	880	910	915	
12/25/2015	788	816	859	910	915	
12/26/2015	757	788	813	910	915	
12/27/2015	800	833	854	910	915	
12/28/2015	808	818	850	910	915	
12/29/2015	810	830	836	910	915	
12/30/2015	796	835	861	910	915	
12/31/2015	857	880	903	910	915	

psi: pounds per square inch

APPENDIX 1: Daily Injection Pressures
DW-3 4th Quarter 2015
Lost Creek ISR Project 13-409



**APPENDIX 1: Daily Injection Pressures
DW-4 4th Quarter 2015
Lost Creek ISR Project 13-409**

Date	Daily Minimum Injection Pressure (psi)	Daily Average Injection Pressure (psi)	Daily Maximum Injection Pressure (psi)	Shutdown Pressure (psi)	Maximum Injection Pressure Limit (psi)	Comments
10/1/2015	695	772	810	820	838	
10/2/2015	692	759	824	820	838	
10/3/2015	730	776	798	820	838	
10/4/2015	685	752	821	820	838	
10/5/2015	721	768	815	820	838	
10/6/2015	701	760	811	820	838	
10/7/2015	726	778	806	820	838	
10/8/2015	687	724	795	820	838	
10/9/2015	673	724	774	820	838	
10/10/2015	753	765	777	820	838	
10/11/2015	716	771	826	820	838	
10/12/2015	685	761	808	820	838	
10/13/2015	723	780	820	820	838	
10/14/2015	703	755	813	820	838	
10/15/2015	760	786	814	820	838	
10/16/2015	698	770	814	820	838	
10/17/2015	752	771	802	820	838	
10/18/2015	693	751	812	820	838	
10/19/2015	754	778	797	820	838	
10/20/2015	746	804	825	820	838	
10/21/2015	695	782	810	820	838	
10/22/2015	751	791	824	820	838	
10/23/2015	730	786	825	820	838	
10/24/2015	730	770	795	820	838	
10/25/2015	742	790	825	820	838	
10/26/2015	731	804	854	820	838	
10/27/2015	749	802	834	820	838	
10/28/2015	690	744	821	820	838	
10/29/2015	658	673	691	820	838	
10/30/2015	319	535	658	820	838	
10/31/2015	148	214	319	820	838	
11/1/2015	107	125	148	820	838	
11/2/2015	0	63	113	820	838	
11/3/2015	0	0	0	820	838	Offline for maintenance
11/4/2015	0	0	0	820	838	Offline for maintenance
11/5/2015	0	370	708	820	838	
11/6/2015	621	693	716	820	838	
11/7/2015	708	746	772	820	838	
11/8/2015	608	677	725	820	838	
11/9/2015	686	749	792	820	838	
11/10/2015	670	722	779	820	838	
11/11/2015	751	794	811	820	838	

**APPENDIX 1: Daily Injection Pressures
DW-4 4th Quarter 2015
Lost Creek ISR Project 13-409**

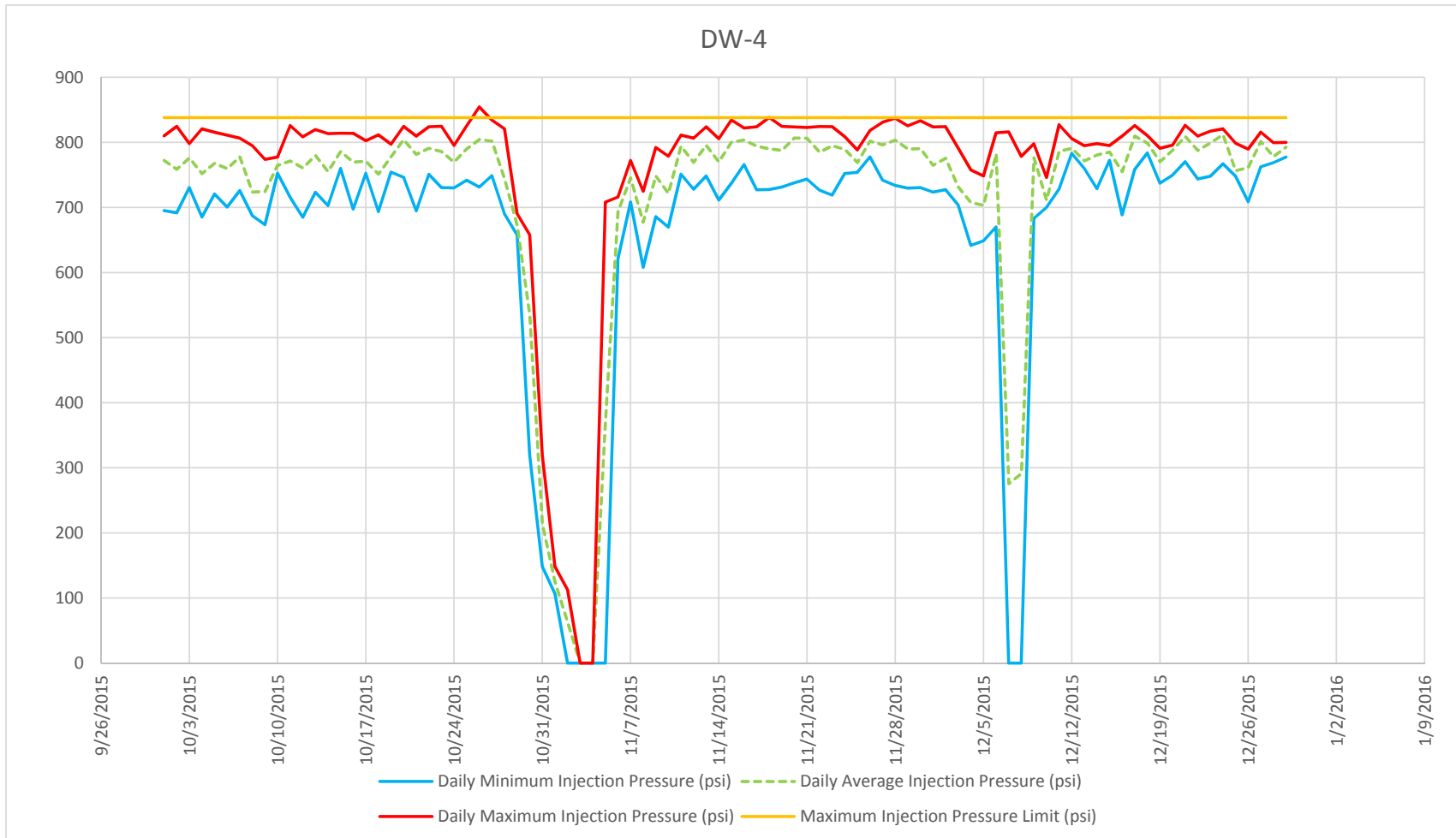
Date	Daily Minimum Injection Pressure (psi)	Daily Average Injection Pressure (psi)	Daily Maximum Injection Pressure (psi)	Shutdown Pressure (psi)	Maximum Injection Pressure Limit (psi)	Comments
11/12/2015	728	769	807	820	838	
11/13/2015	748	796	824	820	838	
11/14/2015	711	770	806	820	838	
11/15/2015	737	800	834	820	838	
11/16/2015	766	804	822	820	838	
11/17/2015	727	794	824	820	838	
11/18/2015	727	790	838	820	838	
11/19/2015	731	788	824	820	838	
11/20/2015	738	807	824	820	838	
11/21/2015	743	806	823	820	838	
11/22/2015	726	785	824	820	838	
11/23/2015	719	795	824	820	838	
11/24/2015	752	789	809	820	838	
11/25/2015	754	769	788	820	838	
11/26/2015	778	802	818	820	838	
11/27/2015	742	796	831	820	838	
11/28/2015	734	803	837	820	838	
11/29/2015	730	790	825	820	838	
11/30/2015	730	790	833	820	838	
12/1/2015	724	765	824	820	838	
12/2/2015	727	776	824	820	838	
12/3/2015	704	731	791	820	838	
12/4/2015	642	708	758	820	838	
12/5/2015	649	703	748	820	838	
12/6/2015	670	782	815	820	838	
12/7/2015	0	276	816	820	838	Shut down for pump replacement
12/8/2015	0	291	778	820	838	Shut down for pump replacement
12/9/2015	683	776	798	820	838	
12/10/2015	700	711	746	820	838	
12/11/2015	728	786	827	820	838	
12/12/2015	783	791	806	820	838	
12/13/2015	760	772	795	820	838	
12/14/2015	729	781	798	820	838	
12/15/2015	772	785	795	820	838	
12/16/2015	689	755	810	820	838	
12/17/2015	759	810	826	820	838	
12/18/2015	784	799	811	820	838	
12/19/2015	737	770	791	820	838	
12/20/2015	750	788	796	820	838	
12/21/2015	770	809	826	820	838	
12/22/2015	744	788	810	820	838	
12/23/2015	748	799	817	820	838	

**APPENDIX 1: Daily Injection Pressures
 DW-4 4th Quarter 2015
 Lost Creek ISR Project 13-409**

Date	Daily Minimum Injection Pressure (psi)	Daily Average Injection Pressure (psi)	Daily Maximum Injection Pressure (psi)	Shutdown Pressure (psi)	Maximum Injection Pressure Limit (psi)	Comments
12/24/2015	767	812	821	820	838	
12/25/2015	748	757	799	820	838	
12/26/2015	709	761	790	820	838	
12/27/2015	762	801	816	820	838	
12/28/2015	769	778	799	820	838	
12/29/2015	777	793	800	820	838	
12/30/2015	698	754	782	820	838	
12/31/2015	661	682	751	820	838	

psi: pounds per square inch

APPENDIX 1: Daily Injection Pressures
DW-4 4th Quarter 2015
Lost Creek ISR Project 13-409





APPENDIX 2



ANALYTICAL SUMMARY REPORT

January 12, 2016

UR Energy USA Inc
10758 W Centennial Rd Ste 200
Ken Caryl Ranch, CO 80127

Work Order: C15120533

Project Name: Lost Creek Wastewater

Energy Laboratories, Inc. Casper WY received the following 1 sample for UR Energy USA Inc on 12/18/2015 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C15120533-001	DW-Injectate	12/17/15 12:30	12/18/15	Aqueous	Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Specific Gravity E300.0 Anions pH Metals Preparation by EPA 200.2 Radium 226, Total Solids, Total Dissolved Sulfide, Iodine Titrimetric

The results as reported relate only to the item(s) submitted for testing. The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Radiochemistry analyses were performed at Energy Laboratories, Inc., 2325 Kerzell Lane, Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these test results, please call.

Report Approved By:



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: UR Energy USA Inc
Project: Lost Creek Wastewater
Lab ID: C15120533-001
Client Sample ID: DW-Injectate

Report Date: 01/12/16
Collection Date: 12/17/15 12:30
Date Received: 12/18/15
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO ₃	ND	mg/L		5		A2320 B	12/21/15 16:49 / wc
Bicarbonate as HCO ₃	471	mg/L		5		A2320 B	12/21/15 16:49 / wc
Chloride	4280	mg/L	D	10		E300.0	12/21/15 21:51 / wc
Sulfate	609	mg/L	D	40		E300.0	12/21/15 21:51 / wc
NON-METALS							
Sulfide	ND	mg/L		1		A4500-S F	12/21/15 12:26 / rwl
PHYSICAL PROPERTIES							
Conductivity @ 25 C	13500	umhos/cm		5		A2510 B	12/21/15 10:33 / rwl
pH	6.66	s.u.	H	0.01		A4500-H B	12/21/15 10:33 / rwl
Solids, Total Dissolved TDS @ 180 C	8180	mg/L	D	100		A2540 C	12/21/15 11:24 / rwl
Specific Gravity 60/60F	1.005	unitless				Calculation	12/29/15 12:20 / smm
METALS - TOTAL							
Arsenic	0.008	mg/L		0.001		E200.8	12/23/15 22:53 / smm
Selenium	0.157	mg/L		0.001		E200.8	12/23/15 22:53 / smm
Uranium	5.2	mg/L	D	0.9		E200.7	12/22/15 18:02 / sf
Vanadium	0.03	mg/L		0.01		E200.8	12/23/15 22:53 / smm
RADIONUCLIDES - TOTAL							
Radium 226	722	pCi/L				E903.0	01/04/16 09:25 / rdw
Radium 226 precision (±)	135	pCi/L				E903.0	01/04/16 09:25 / rdw
Radium 226 MDC	0.15	pCi/L				E903.0	01/04/16 09:25 / rdw
DATA QUALITY							
A/C Balance (± 5)	-2.40	%				A1030 E	12/30/15 12:26 / sf
Anions	141	meq/L				A1030 E	12/30/15 12:26 / sf
Cations	134	meq/L				A1030 E	12/30/15 12:26 / sf
TDS Balance (0.80 - 1.20)	1.00	unitless				A1030 E	12/30/15 12:26 / sf

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 MDC - Minimum detectable concentration
 H - Analysis performed past recommended holding time.
 MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.
 D - RL increased due to sample matrix.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: UR Energy USA Inc
Project: Lost Creek Wastewater

Report Date: 01/12/16
Work Order: C15120533

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B										Batch: R207665
Lab ID: MBLK	3	Method Blank								Run: MANTECH_151221A 12/21/15 16:28
Alkalinity, Total as CaCO3		ND	mg/L	1						
Carbonate as CO3		ND	mg/L	1						
Bicarbonate as HCO3		ND	mg/L	1						
Lab ID: LCS_150317										Run: MANTECH_151221A 12/21/15 16:41
		Laboratory Control Sample								
Alkalinity, Total as CaCO3		262	mg/L	5.0	105	90	110			
Lab ID: C15120533-001ADUP										Run: MANTECH_151221A 12/21/15 16:56
	3	Sample Duplicate								
Alkalinity, Total as CaCO3		389	mg/L	5.0				0.7	10	
Carbonate as CO3		ND	mg/L	5.0					10	
Bicarbonate as HCO3		474	mg/L	5.0				0.7	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: UR Energy USA Inc
Project: Lost Creek Wastewater

Report Date: 01/12/16
Work Order: C15120533

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2510 B										Batch: R207617
Lab ID: SC 100		Initial Calibration Verification Standard					Run: PHSC_101-C_151221A			12/21/15 09:44
Conductivity @ 25 C	101	umhos/cm		5.0	101	90	110			
Lab ID: SC 2ND 1413		Laboratory Control Sample					Run: PHSC_101-C_151221A			12/21/15 09:56
Conductivity @ 25 C	1410	umhos/cm		5.0	100	90	110			
Lab ID: MBLK		Method Blank					Run: PHSC_101-C_151221A			12/21/15 10:23
Conductivity @ 25 C	2	umhos/cm		1						
Lab ID: C15120525-001ADUP		Sample Duplicate					Run: PHSC_101-C_151221A			12/21/15 10:29
Conductivity @ 25 C	1950	umhos/cm		5.0				0.3	10	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: UR Energy USA Inc

Report Date: 01/12/16

Project: Lost Creek Wastewater

Work Order: C15120533

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C								Batch: TDS151221A		
Lab ID: MB-1_151221A		Method Blank								
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	9						Run: BAL-18_151221A 12/21/15 11:22
Lab ID: LCS-2_151221A		Laboratory Control Sample								
Solids, Total Dissolved TDS @ 180 C		1050	mg/L	11	94	90	110			Run: BAL-18_151221A 12/21/15 11:23
Lab ID: C15120533-001A DUP		Sample Duplicate								
Solids, Total Dissolved TDS @ 180 C		8170	mg/L	100				0.1	5	Run: BAL-18_151221A 12/21/15 11:25

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: UR Energy USA Inc
Project: Lost Creek Wastewater

Report Date: 01/12/16
Work Order: C15120533

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B								Analytical Run: PHSC_101-C_151221A		
Lab ID: pH 6.86		Initial Calibration Verification Standard								12/21/15 09:41
pH		6.83	s.u.	0.010	100	98	102			
Lab ID: pH 6.86		Initial Calibration Verification Standard								12/21/15 14:42
pH		6.79	s.u.	0.010	99	98	102			
Method: A4500-H B								Batch: R207617		
Lab ID: C15120525-001ADUP		Sample Duplicate					Run: PHSC_101-C_151221A			12/21/15 10:29
pH		7.44	s.u.	0.010				0.1	3	
Lab ID: C15120544-001BDUP		Sample Duplicate					Run: PHSC_101-C_151221A			12/21/15 14:51
pH		7.86	s.u.	0.010				0.1	3	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: UR Energy USA Inc
Project: Lost Creek Wastewater

Report Date: 01/12/16
Work Order: C15120533

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-S F Analytical Run: TITRATION_151221A										
Lab ID: ICV	Initial Calibration Verification Standard 12/21/15 12:22									
Sulfide		125	mg/L	1.0	99	80	120			
Method: A4500-S F Batch: 151221-SULFIDE-TTR-W										
Lab ID: MBLK7-151221	Method Blank Run: TITRATION_151221A 12/21/15 12:17									
Sulfide		ND	mg/L	0.4						
Lab ID: C15120533-001CMS	Sample Matrix Spike Run: TITRATION_151221A 12/21/15 12:32									
Sulfide		23.8	mg/L	1.0	94	80	120			
Lab ID: C15120533-001CMSD	Sample Matrix Spike Duplicate Run: TITRATION_151221A 12/21/15 12:38									
Sulfide		21.8	mg/L	1.0	86	80	120	8.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: UR Energy USA Inc
Project: Lost Creek Wastewater

Report Date: 01/12/16
Work Order: C15120533

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Analytical Run: ICP4-C_151222A		
Lab ID: ICV	Initial Calibration Verification Standard									12/22/15 14:52
Uranium		4.77	mg/L	1.0	95	95	105			
Lab ID: ICSA	Interference Check Sample A									12/22/15 15:17
Uranium		0.0310	mg/L	1.0						
Lab ID: ICSAB	Interference Check Sample AB									12/22/15 15:22
Uranium		0.0329	mg/L	1.0						
Method: E200.7								Batch: 46501		
Lab ID: MB-46501	Method Blank						Run: ICP4-C_151222A			12/22/15 17:16
Uranium		ND	mg/L	0.08						
Lab ID: LCS3-46501	Laboratory Control Sample						Run: ICP4-C_151222A			12/22/15 17:20
Uranium		0.520	mg/L	0.091	104	85	115			
Lab ID: C15120515-001CMS3	Sample Matrix Spike						Run: ICP4-C_151222A			12/22/15 17:50
Uranium		0.558	mg/L	0.091	112	70	130			
Lab ID: C15120515-001CMSD	Sample Matrix Spike Duplicate						Run: ICP4-C_151222A			12/22/15 17:54
Uranium		0.533	mg/L	0.091	107	70	130	4.5	20	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: UR Energy USA Inc
Project: Lost Creek Wastewater

Report Date: 01/12/16
Work Order: C15120533

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method: E200.8								Analytical Run: ICPMS4-C_151223A			
Lab ID: ICV	3	Initial Calibration Verification Standard								12/23/15 15:12	
Arsenic		0.0504	mg/L	0.0010	101	90	110				
Selenium		0.0481	mg/L	0.0010	96	90	110				
Vanadium		0.0496	mg/L	0.0010	99	90	110				
Method: E200.8								Batch: 46501			
Lab ID: MB-46501	3	Method Blank						Run: ICPMS4-C_151223A		12/23/15 22:27	
Arsenic		0.0004	mg/L	2E-05							
Selenium		ND	mg/L	2E-05							
Vanadium		0.004	mg/L	5E-05							
Lab ID: LCS3-46501	3	Laboratory Control Sample						Run: ICPMS4-C_151223A		12/23/15 22:32	
Arsenic		0.50	mg/L	0.0010	99	85	115				
Selenium		0.50	mg/L	0.0010	101	85	115				
Vanadium		0.51	mg/L	0.10	100	85	115				
Lab ID: C15120515-001CMS3	3	Sample Matrix Spike						Run: ICPMS4-C_151223A		12/23/15 23:35	
Arsenic		0.51	mg/L	0.0010	101	70	130				
Selenium		0.49	mg/L	0.0010	98	70	130				
Vanadium		0.51	mg/L	0.10	99	70	130				
Lab ID: C15120515-001CMSD	3	Sample Matrix Spike Duplicate						Run: ICPMS4-C_151223A		12/23/15 23:39	
Arsenic		0.52	mg/L	0.0010	103	70	130	1.7	20		
Selenium		0.52	mg/L	0.0010	104	70	130	6.8	20		
Vanadium		0.52	mg/L	0.10	101	70	130	2.2	20		

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: UR Energy USA Inc
Project: Lost Creek Wastewater

Report Date: 01/12/16
Work Order: C15120533

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0								Analytical Run: IC2-C_151221A		
Lab ID: ICV	2	Initial Calibration Verification Standard								12/21/15 12:01
Chloride		10.1	mg/L	1.0	101	90	110			
Sulfate		40.1	mg/L	1.0	100	90	110			
Lab ID: CCV-151221-3	2	Continuing Calibration Verification Standard								12/21/15 21:14
Chloride		10.1	mg/L	1.0	101	90	110			
Sulfate		40.3	mg/L	1.0	101	90	110			
Method: E300.0								Batch: R207670		
Lab ID: ICB	2	Method Blank								12/21/15 12:19
Chloride		0.02	mg/L	0.01						
Sulfate		0.1	mg/L	0.03						
Lab ID: LFB-151221-1	2	Laboratory Fortified Blank								12/21/15 12:38
Chloride		9.74	mg/L	1.0	97	90	110			
Sulfate		38.6	mg/L	1.0	96	90	110			
Lab ID: C15120533-001AMS	2	Sample Matrix Spike								12/21/15 22:09
Chloride		5440	mg/L	10		90	110			A
Sulfate		4620	mg/L	42	100	90	110			
Lab ID: C15120533-001AMSD	2	Sample Matrix Spike Duplicate								12/21/15 22:27
Chloride		5340	mg/L	10		90	110	1.9	20	A
Sulfate		4620	mg/L	42	100	90	110	0.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: UR Energy USA Inc
Project: Lost Creek Wastewater

Report Date: 01/12/16
Work Order: C15120533

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0								Batch: RA226-7954		
Lab ID: LCS-RA226-7954	Laboratory Control Sample					Run: BERTHOLD 770-1_151221A		01/04/16 07:45		
Radium 226		9.1	pCi/L	89		80	120			
Lab ID: MB-RA226-7954	3	Method Blank				Run: BERTHOLD 770-1_151221A		01/04/16 07:45		
Radium 226		0.0003	pCi/L							U
Radium 226 precision (±)		0.09	pCi/L							
Radium 226 MDC		0.1	pCi/L							
Lab ID: C15120518-004DMS	Sample Matrix Spike					Run: BERTHOLD 770-1_151221A		01/04/16 09:25		
Radium 226		22	pCi/L	91		70	130			
Lab ID: C15120518-004DMSD	Sample Matrix Spike Duplicate					Run: BERTHOLD 770-1_151221A		01/04/16 09:25		
Radium 226		20	pCi/L	82		70	130	9.1	49	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



Work Order Receipt Checklist

UR Energy USA Inc

C15120533

Login completed by: Dorian Quis

Date Received: 12/18/2015

Reviewed by: BL2000\dblaida

Received by: dcq

Reviewed Date: 12/21/2015

Carrier name: Hand Del

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on all shipping container(s)/cooler(s)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on all sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>
Container/Temp Blank temperature:	4.4°C No Ice		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input checked="" type="checkbox"/>

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Contact and Corrective Action Comments:

None



Chain of Custody and Analytical Request Record

PLEASE PRINT (Provide as much information as possible.)

Company Name: UR-ENERGY		Project Name, PWS, Permit, Etc.: LOST CREEK WASTE WATER		Sample Origin: State: <u>WY</u>		EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/>	
Report Mail Address (Required): 5000 ENTERPRISE DR. SUITE 200 CASPER WY 82409		Contact Name: MIKE CAIDAR (601) 265-2373		Cell:		Sampler: (Please Print) MKC	
<input type="checkbox"/> No Hard Copy Email:		Invoice Contact & Phone:		Purchase Order:		Quote/Bottle Order: 47760	
Invoice Address (Required):		ANALYSIS REQUESTED PH / CONDUCTIVITY BICARBONATE / CARBONATE CHLORIDE SULFATE HYDROGEN SULFIDE SPECIAL CAVITY TDS AS, SE, V, U (TAP) RM-226 (TAP) SEE ATTACHED		Standard Turnaround (TAT) ↑ R U S H		Contact ELI prior to RUSH sample submittal for charges and scheduling - See Instruction Page Comments:	
<input type="checkbox"/> No Hard Copy Email:		<input type="checkbox"/> EDD/EDI (Electronic Data) Format: _____ <input type="checkbox"/> POTW/WWTP State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> NELAC Other: _____		Matrix W		Shipped by: Caspar Cooler ID(s): 47760 °C	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) DW - INJECTATE		Collection Date 12/17/05		Collection Time 1230		On Ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Custody Seal On Bottle: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N On Cooler: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Intact: <input type="checkbox"/> Y <input type="checkbox"/> N Signature Match: <input type="checkbox"/> Y <input type="checkbox"/> N	
1		2		3		4	
5		6		7		8	
9		10		C-15100533		LABORATORY USE ONLY	
Custody Record MUST be Signed		Relinquished by (print): M. CAIDAR Relinquished by (print):		Signature: 		Signature:	
Sample Disposal:		Return to Client:		Lab Disposal:		Received by Laboratory: 12/18/05 14:04 Signature: 	
Date/Time: 12/18/05 14:03 Date/Time:		Date/Time:		Date/Time:		Date/Time:	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.energylab.com for additional information. Downloadable forms and links



Trust our People. Trust our Data.
www.energylab.com

Billings, MT 800.735.4489 • Casper, WY 888.235.0515
College Station, TX 888.890.2218 • Gillette, WY 866.886.7175 • Helena, MT 877.472.0711

BOTTLE ORDER 47760



SHIPPED TO: UR Energy USA Inc

Contact: Mike Gaither
5880 Enterprise Dr Ste 200
Casper WY 82609-
Phone: (303) 265-2373
Project: DW Injectate

Order Created by: Corinne Wagner
Shipped From: Casper, WY
Ship Date: 10/29/2015
VIA: PickUp

Bottle Size/Type	Bottles Per Samp	Method	Tests	Critical Hold Time	Preservative	Notes	Num of Samp
1 Liter Plastic	1	A2510 B	Conductivity				1
		E300.0	E300.0 Anions				
		Calculation	Specific Gravity				
		A2540 C	Solids, Total Dissolved				
		A2320 B	Alkalinity				
		A4500-H B	pH		0.25 hrs		
250 mL Plastic	1	A4500-S F	Sulfide, Iodine Titrimetric		ZnAc		1
		A4500-S F	Sulfide, Iodine Titrimetric		NaOH		
2 Liter Plastic	2	E903.0	Radium 226, Total		HNO3		1
250 mL Plastic	1	E200.7_8	Metals by ICP/ICPMS, Total		HNO3	As, Se, V & U	1

HNO3 - Nitric Acid H2SO4 - Sulfuric Acid NaOH - Sodium Hydroxide **We strongly suggest that the samples are shipped the same day as they are collected.**

ZnAc - Zinc Acetate HCl - Hydrochloric Acid H3PO4 - Phosphoric Acid

Material Safety Data Sheets(MSDS) Available @ EnergyLab.com ->Services -> MSDS Sheets

Corrosive Chemicals: Nitric, Sulfuric, Phosphoric, Hydrochloric Acids and Sodium Hydroxide. Zinc Acetate is a skin irritant.