



August 6, 2015

CERTIFIED MAIL # 7015 0640 0001 4722 6649

Mr. Mark Rogaczewski, District 3 Supervisor
Land Quality Division
Wyoming Department of Environmental Quality
2100 West 5th Street
Sheridan, WY 82801

CAMECO RESOURCES

Smith Ranch-Highland
Operation

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July 2015 Excursion Report Summary, Cameco Resources, Smith Ranch-Highland Uranium Project, Permit 633

Dear Mr. Rogaczewski:

Power Resources, Inc. d/b/a/ Cameco Resources (Cameco) is submitting the July monthly Excursion Report Summary for the Smith Ranch-Highland Uranium Project. The Cameco Excursion Report table is attached. Monitor Well DM-003A remained on excursion with no new excursion reported during the report period, July 2015.

Concentrations at Monitor Well DM-003A remained above the UCL's, however since April 2015 the concentrations in all parameters have been gradually decreasing. This gradual decrease continued through the report period. The reductions in concentrations may be related to extraction of impacted groundwater from several the Mine Unit D patterns.

Cameco continues to characterize the success of the treatment through steps provided to the LQD in a letter dated January 28, 2015. During the report period Cameco continued to work on Step 2 of the characterization, evaluating the movement of groundwater and the potential of aquifer interconnectivity between Mine Unit C and D and the pre-existing underground workings. This effort is an attempt to determine the source of impacted groundwater identified in samples collected from DM-003A. Cameco is developing a strategy in communication with the LQD and the Nuclear Regulatory Commission (NRC), which may aid in understanding groundwater flow pathways in the area of DM-003A and rectify the excursion classification of the monitoring well.

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Please contact me at 307-358-6541, ext. 476 or Kenneth_Garoutte@cameco.com if you have questions.

Respectfully,



Ken Garoutte
Safety, Health, Environment, Quality (SHEQ) Manager

KG/vg

Attachments: Cameco Resources Excursion Report Table
Monitor Well Reports for DM-003A

cc: File SR 4.3.3.1
Special Volume: Monthly Excursion Reports Summary Updates Permit 633
Mr. Doug Mandeville, NRC - CERTIFIED MAIL # 7015 0640 0001 4722 6656
Document Control Desk, NRC - CERTIFIED MAIL # 7015 0640 0001 4722 6663

ec: Cameco-Casper

xc: Cheyenne LQD Files

Cameco Resources Excursion Report
Permit Nos. 603 & 633
(July 2015)

Well Identification	Initial Sample Date	Confirmation Sample Date	Excursion Status (on/off)	Parameters Exceeded	Verbal Notification Date	Written Notification Date	Excursion Resolution Date	LQD Concurrence Notification Date
DM-003A (Replacement well for DM-003)	8/26/2014	N/A	ON	Chloride Alkalinity				



Cameco Resources

Smith Ranch - Highland Operation

Monitor Well Report

Well ID: DM-003A

<i>NRC/WDEQ UCL</i>	<i>Chloride (mg/L)</i>	<i>Alkalinity (mg/L CaCO₃)</i>	<i>Conductivity (μMhos/cm)</i>	<i>U₃O₈ (mg/L)</i>	<i>Water Elevation</i>	<i>Comment</i>
	18	188	962			
07/28/2015	34	283	1024	0	834.4	
07/21/2015	37	279	1058	0	834.4	
07/14/2015	36	288	1067	0	835.1	
07/07/2015	39	288	1083	0	838.2	
06/30/2015	40	301	1104	0	844.1	
06/23/2015	40	306	1090	0	845.7	
06/16/2015	39	306	1108	0	844.0	
06/09/2015	41	302	1094	0	841.9	
06/02/2015	41	293	1110	0	840.3	
05/26/2015	42	306	1090	0	837.3	
05/19/2015	34	311	1131	0	836.8	
05/12/2015	46	314	1165	0	839.2	
05/05/2015	47	315	1201	0	841.4	
04/28/2015	49	331	1158	0	837.3	
04/21/2015	48	331	1166	0	838.2	
04/15/2015	48	337	1168	0	838.8	
04/07/2015	49	322	1201	0	827.0	
04/01/2015	49	311	1201	0	826.7	
03/24/2015	49	323	1195	0	827.4	
03/17/2015	49	324	1149		825.0	
03/10/2015	46	326	1223	0	824.8	
03/04/2015	42	324	1164	0	827.5	
02/24/2015	50	326	1128	0	826.2	

08/03/2015



Cameco Resources

Smith Ranch - Highland Operation

Monitor Well Report

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	18	188	962			
02/17/2015	50	327	1160	0	825.8	
02/10/2015	48	324	1128	0	827.0	
02/03/2015	50	329	1168	0	826.3	
01/27/2015	50	324	1202	0	827.0	
01/20/2015	49	317	1122	0	826.8	
01/13/2015	49	318	1132	0	826.7	
01/06/2015	52	344	1148	0	829.8	
12/31/2014	51	325	1176	0	834.8	
12/23/2014	48	343	1171	0	832.2	
12/16/2014	50	321	1162	0	826.2	
12/09/2014	50	319	1155	0	826.6	
12/02/2014	51	326	1145	0	829.9	
11/25/2014	51	331	1178	0	833.9	
11/18/2014	51	330	1166	0	834.2	
11/11/2014	51	327	1253	0	834.1	
11/04/2014	52	315	1180	0	848.3	
10/28/2014	55	336	1144	0	842.0	
10/21/2014	55	330	1166	0	829.6	
10/14/2014	53	321	1165	0	817.0	
10/07/2014	52	315	1120	0	816.4	
09/30/2014	46	306	1105	0	816.2	
09/23/2014	48	321	1149	0	817.8	
09/16/2014	49	322	1224	0	814.8	

08/03/2015



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<i>NRC/WDEQ UCL</i>	<i>Chloride (mg/L)</i>	<i>Alkalinity (mg/L CaCO₃)</i>	<i>Conductivity (μMhos/cm)</i>	<i>U₃O₈ (mg/L)</i>	<i>Water Elevation</i>	<i>Comment</i>
	18	188	962			
09/09/2014	49	313	1143	0	813.6	
09/02/2014	50	321	1210	0	817.6	
08/26/2014	50	314	1107	0	808.9	
08/19/2014	47	308	1174	0	808.0	
08/12/2014	45	309	1083	0	807.0	
08/05/2014	45	321	1120	0	809.2	
07/29/2014	46	314	1094	0	811.4	
07/22/2014	44	299	1117	0	810.7	
07/15/2014	41	307	1136	0	809.8	
07/08/2014	40	293	1092	0	809.6	
07/01/2014	40	295	1108	0	807.2	