



April 7, 2015

CERTIFIED MAIL # 7013 2250 0000 4174 6059

Mr. Mark Rogaczewski, District 3 Supervisor
Land Quality Division
Wyoming Department of Environmental Quality
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CAMECO RESOURCES

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

Dear Mr. Rogaczewski:

Power Resources, Inc. d/b/a/ Cameco Resources (Camcco) is submitting the March 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, March 2015.

Monitor Well DM-003A showed an increase in chloride and conductivity during the report period, from the previous report period. Cameco continues to characterize the success of the treatment through steps provided to the LQD in a letter dated January 28, 2015. Step 1, conducting Guideline 8 samples from various monitoring and pumping wells in the vicinity of Monitor Well DM-003A has been completed. During the report period Cameco continued to work on Step 2 of the characterization, researching methods to assess hydrologic connectivity of the underground workings. Once the "best method" has been determined Camcco will request concurrence from LQD and move forward from there.

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

Respectfully,

A handwritten signature in black ink, appearing to read "Ken Garoutte".

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

KG/vg

NMSS01

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 # 7013 2250 0000 4174 6066
Document Control Desk, NRC - CERTIFIED MAIL # 7013 2250 0000 4174 6073

ec: Cameco-Casper

xc: Cheyenne LQD Files

Cameco Resources Excursion Report
Permit Nos. 603 & 633
(March 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			
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	
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	

04/07/2015



Cameco Resources
Smith Ranch - Highland Operation
Monitor Well Report

Well ID: DM-003A

NRC/WDEQ UCL	Chloride (mg/L)	Alkalinity (mg/L CaCO₃)	Conductivity (µMhos/cm)	U₃O₈ (mg/L)	Water Elevation	Comment
18	188	962				
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	
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	
06/24/2014	38	294	1112	0	809.5	
06/17/2014	34	266	1012	0	809.7	
06/03/2014	32	264	954	0	813.5	
05/27/2014	39	328	1077	0	816.6	
05/20/2014	33	273	1039	0	816.1	
05/13/2014	32	272	1003	0	814.6	
04/29/2014	30	252	883	0	812.7	

04/07/2015



Cameco Resources
Smith Ranch - Highland Operation
Monitor Well Report

Well ID: DM-003A

	<i>Chloride</i> <i>(mg/L)</i>	<i>Alkalinity</i> <i>(mg/L CaCO₃)</i>	<i>Conductivity</i> <i>(µMhos/cm)</i>	<i>U₃O₈</i> <i>(mg/L)</i>	<i>Water</i> <i>Elevation</i>	<i>Comment</i>
<i>NRC/WDEQ</i> <i>UCL</i>	18	188	962			
04/22/2014	26	211	871	0	813.0	
04/15/2014	29	228	906	0	811.6	
04/07/2014	27	121	764		811.4	
04/01/2014	34	210	902	0	802.0	
03/25/2014	34	144	828	0	829.6	