



January 8, 2015

CERTIFIED MAIL # 7013 1090 0001 7751 3085

Mr. Mark Rogaczewski, District 3 Supervisor
Land Quality Division
Wyoming Department of Environmental Quality
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Sheridan, WY 82801

CAMECO RESOURCES

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December 2014 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 December 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, December 2014.

Monitor Well DM-003A continued to show a decrease in chloride concentrations through the majority of the report period, with a slight increase in the last sample. Alkalinity and conductivity showed small fluctuations through the report period. This well appears to be effected by the underground workings and the associated treatment currently taking place to restore the underground workings.

Wyoming Department of Environmental Quality – Land Quality Division (LQD) requested that Cameco provide historical excursion information on Monitor Well DM-003 and DM-003A as the replacement well. This information will be provided to LQD under a separate cover letter.

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
NMSS

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 1090 0001 7751 3092
Document Control Desk, NRC - CERTIFIED MAIL # 7013 1090 0001 7751 3108

ec: Cameco-Casper

xc: Cheyenne LQD Files

Cameco Resources Excursion Report
Permit Nos. 603 & 633
(December 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>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>
<i>NRC/WDEQ UCL</i>	18	188	962			
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	
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	

01/06/2015



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			
07/22/2014	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	
04/22/2014	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	

01/06/2015