



December 4, 2015

CERTIFIED MAIL # 7015 0640 0001 4722 8636

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*
Mail:
P.O. Box 1210
Glenrock, WY
82637 USA

Tel: (307) 358-6541
Fax: (307) 358-4533
www.cameco.com

November 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 November 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, November 2015.

During the report period, concentrations at Monitor Well DM-003A continue to remain above the UCL's, however, all parameters remained stable through the report period. Cameco plans to continue with the current pumping regime as the results demonstrate that a positive impact is being made on the water quality in Monitor Well DM-003A. As an additional component of the DM-003A excursion control effort, Cameco will install a recovery well (DX-113) between the monitor well ring and Mine Unit D patterns. Flow rates between recovery well DX-113 and recovery at the mine unit patterns will be adjusted to create a groundwater gradient from the monitor ring toward the patterns. This is anticipated to enhance recovery of the plume at DM-003A and aid in correction of the excursion. Recovery well DX-113 was drilled during the report period and is anticipated to be completed in December 2015. Completion of the trenching required to pipe water from DX-113 to Header House D-1 is anticipated to be completed in January 2016, with production to be initiated shortly thereafter."

Current mitigation efforts focused on DM-003A appear to be changing water quality at nearby monitor well DM-004A. Monitor Well DM-004A is approaching UCL's and will possibly exceed excursion limits before the startup of DX-113.

NM5501

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 4.3.3.3
Special Volume: Monthly Excursion Reports Summary Updates Permit 633
Mr. Doug Mandeville, NRC - CERTIFIED MAIL # 7015 0640 0001 4722 8643
Document Control Desk, NRC - CERTIFIED MAIL # 7015 0640 0001 4722 8650

ec: Cameco-Casper

xc: Cheyenne LQD Files

Cameco Resources Excursion Report
Permit Nos. 603 & 633
(November 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 Level (ft. from surface)</i>	<i>Comment</i>	<i>Excursion</i>
	18 (9)	188 (150)	962 (770)				
11/24/2015	34	279	1003	0	409.9		
11/17/2015	34	283	973	0	413.3		
11/10/2015	33	281	986	0	415.1		
11/03/2015	33	278	1004	0	399.6		
10/27/2015	34	282	972	0	400.9		
10/20/2015	37	280	1015	0	400.4		
10/13/2015	35	278	1024	0	401.6		
10/06/2015	34	279	1019	0	399.6		
09/29/2015	33	281	1034	0	400.0		
09/22/2015	28	282	1025	0	398.0		
09/15/2015	35	274	1011	0	393.5		
09/08/2015	34	270	1022	0	393.9		
09/01/2015	35	276	1040	0	396.6		
08/25/2015	35	292	1040	0	398.4		
08/18/2015	35	291	1046	0	400.8		
08/11/2015	35	291	1019	0	403.3		
08/04/2015	35	277	1024	0	402.8		
07/28/2015	34	283	1024	0	399.6		
07/21/2015	37	279	1058	0	399.6		
07/14/2015	36	288	1067	0	398.9		
07/07/2015	39	288	1083	0	395.8		
06/30/2015	40	301	1104	0	389.9		
06/23/2015	40	306	1090	0	388.3		

12/03/2015



Cameco Resources
Smith Ranch - Highland Operation
Monitor Well Report

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	18 (9)	188 (150)	962 (770)				
06/16/2015	39	306	1108	0	390.0		
06/09/2015	41	302	1094	0	392.1		
06/02/2015	41	293	1110	0	393.7		
05/26/2015	42	306	1090	0	396.7		
05/19/2015	34	311	1131	0	397.2		
05/12/2015	46	314	1165	0	394.8		
05/05/2015	47	315	1201	0	392.6		
04/28/2015	49	331	1158	0	396.7		
04/21/2015	48	331	1166	0	395.8		
04/15/2015	48	337	1168	0	395.2		
04/07/2015	49	322	1201	0	407.0		
04/01/2015	49	311	1201	0	407.3		
03/24/2015	49	323	1195	0	406.6		
03/17/2015	49	324	1149		409.0		
03/10/2015	46	326	1223	0	409.2		
03/04/2015	42	324	1164	0	406.5		
02/24/2015	50	326	1128	0	407.8		
02/17/2015	50	327	1160	0	408.2		
02/10/2015	48	324	1128	0	407.0		
02/03/2015	50	329	1168	0	407.7		
01/27/2015	50	324	1202	0	407.0		
01/20/2015	49	317	1122	0	407.2		
01/13/2015	49	318	1132	0	407.3		

12/03/2015



Cameco Resources

Smith Ranch - Highland Operation

Monitor Well Report

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	18 (9)	188 (150)	962 (770)				
01/06/2015	52	344	1148	0	404.2		
12/31/2014	51	325	1176	0	399.2		
12/23/2014	48	343	1171	0	401.8		
12/16/2014	50	321	1162	0	407.8		
12/09/2014	50	319	1155	0	407.4		
12/02/2014	51	326	1145	0	404.1		
11/25/2014	51	331	1178	0	400.1		
11/18/2014	51	330	1166	0	399.8		
11/11/2014	51	327	1253	0	399.9		
11/04/2014	52	315	1180	0	385.7		