



40-8964

November 2, 2016

CERTIFIED MAIL # 7015 3010 0002 0309 9084

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

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October 2016 Excursion Report Summary, Cameco Resources, North Butte ISR Project, Permit 632

Dear Mr. Rogaczewski:

Power Resources, Inc. d/b/a/ Cameco Resources (Cameco) is submitting the October 2016 Monthly Excursion Report Summary for the North Butte ISR Project. Monitor Well NBM-031 was confirmed on excursion September 22, 2016, exceeding the Upper Control Limits (UCL) in both chloride and alkalinity. Verbal notification was made to Wyoming Department of Environmental Quality (WDEQ) – Land Quality Division (LQD) on September 23, 2016 with written notification following in a letter dated September 27, 2016.

Attached please find sample results, concentration of UCL parameters and groundwater elevation, for Monitor Well NBM-031. As discussed with LQD, it is Cameco's practice to continue weekly sampling until three (3) consecutive weekly samples show concentrations below the UCL's. The last three samples of the report period showed concentration in both chloride and alkalinity below the UCL's. The September monthly update stated "Once this condition has been met, Cameco will provide LQD with a courtesy email stating that the regular sampling schedule has resumed." This letter serves as courtesy notification that the regular sampling schedule has resumed.

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", written over a horizontal line.

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

KG/vg

NM5501
NM55

Attachments: Monitor Well Reports for NBM-031

cc: File NB 4.3.3.3
Mr. Doug Mandeville, NRC - CERTIFIED MAIL # 7015 3010 0002 0309 9091
Document Control Desk, NRC - CERTIFIED MAIL # 7015 3010 0002 0309 9107

xc: LQD - Cheyenne



***Cameco Resources
North Butte Operation
Monitor Well Report***

Well Name: NBM-031

<i>NRC/WDEQ UCL</i>	<i>Chloride (mg/L)</i>	<i>Alkalinity (mg/L CaCO3)</i>	<i>Conductivity (µMho/cm)</i>	<i>U3O8 (mg/L)</i>	<i>Water Elevation</i>
	19.0	93	2299		
10/26/2016	6.0	70	1380		4769.26
10/18/2016	7.0	75	1372		4773.16
10/13/2016	5.0	83	1388		4771.06
10/04/2016	7.0	76	1366	0.10	4763.46
09/28/2016	7.0	77	1390	0.10	4765.26
09/27/2016	8.0	77	1372	0.10	4763.66
09/22/2016	25.0	130	1609		4772.86
09/20/2016	27.0	143	1627		4795.16
09/07/2016	10.0	74	1424		4779.76