



June 6, 2018

CERTIFIED MAIL # 7016 2710 0000 7134 2690

40-8964

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

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May 2018 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 May 2018 Monthly Excursion Report Summary for the North Butte ISR Project. Monitor Well NBM-030 was confirmed on excursion May 3, 2018, exceeding the UCL's in chloride and alkalinity. Verbal notification was made by phone to Luke McMahan, Wyoming Department of Environmental Quality (WDEQ) – Land Quality Division (LQD) District 3, on May 7, 2018, with written notification following in a letter dated May 9, 2018.

Monitor Well NBM-030 showed a decrease in all parameters through the report period, dropping below the chloride UCL on May 23, 2018 and May 30, 2018. It is Cameco's practice to continue weekly sampling until three (3) consecutive weekly samples show concentrations below the UCL's, deeming the well officially off excursion. Excursion control efforts continued through the report period and will continue until that time until three (3) samples are below the UCL parameters.

Please call Vickie Gitthens at (307) 358-6541 ext. 462 or email at Victoria_Gitthens@cameco.com if you have questions.

Respectfully,


Larry Reimann
Manager, Compliance & Licensing

LR/vg

Attachment: Monitor Well Reports for NBM-030

cc: File NB 4.3.3.3
Mr. Doug Mandeville, NRC - CERTIFIED MAIL # 7016 2710 0000 7134 2706
Document Control Desk, NRC - CERTIFIED MAIL # 7016 2710 0000 7134 2713
ec: Cameco Distribution
xc: LQD - Cheyenne

NMSSD1



*Cameco Resources
North Butte Operation
Monitor Well Report*

Well Name: NBM-030

<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	88	2299		
05/30/2018	16.0	92	1599	-0.10	4743.38
05/23/2018	18.0	97	1699	-0.10	4747.38
05/15/2018	22.0	111	1687	-0.10	4751.08
05/10/2018	28.0	132	1741	0.10	4753.38
05/03/2018	27.0	130	1729	0.10	4760.78
05/01/2018	24.0	118	1703		4760.58
04/17/2018	13.0	77	1602		4749.78
04/03/2018	12.0	66	1548		4747.18
03/20/2018	15.0	81	1604		4758.18
03/06/2018	18.0	90	1611		4767.78
02/22/2018	18.0	90	1648		4791.58
02/07/2018	14.0	71	1594		4789.18
01/17/2018	12.0	65	1566		4776.88
01/02/2018	13.0	69	1607		4786.68