



40-8964

July 11, 2018

CERTIFIED MAIL # 7016 2710 0000 7134 2782

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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June 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 June 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.

The May 2018 Excursion Report was provided to LQD in a letter dated June 6, 2018 and stated that "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 three (3) samples are below the UCL parameters."

Excursion control efforts continued into the current report period, June 2018. On June 5, 2018 Monitor Well NBM-030 was officially off excursion and returned to the regular sampling schedule of twice per month with at least 10 days between sampling events. A courtesy notification email was sent to Luke McMahan, LQD on June 11, 2018 notifying LQD that Monitor Well NBM-030 was off excursion and would be returned to the regular sampling schedule.

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

Respectfully,

Vickie Gitthens for Larry Reimann

Larry Reimann
Manager, Compliance & Licensing

NM5501

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 2799
Document Control Desk, NRC - CERTIFIED MAIL # 7016 2710 0000 7134 2775

ec: Cameco Distribution

xc: LQD - Cheyenne



*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		
06/20/2018	13.0	81	1593		4741.38
06/05/2018	15.0	86	1615	-0.10	4742.98
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
12/19/2017	13.0	67	1544		4783.98
12/04/2017	10.0	79	1483		4790.48
11/19/2017	9.0	60	1534		4784.38
11/06/2017	12.0	71	1553		4774.38
10/18/2017	19.0	93	1684		4796.68
10/02/2017	18.0	102	1675		4817.78
09/19/2017	17.0	86	1638		4787.78
09/05/2017	15.0	80	1628		4796.48



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North Butte Operation
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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		
08/15/2017	14.0	90	1650		4801.18
08/01/2017	19.0	111	1687		4827.18
07/18/2017	18.0	98	1670		4813.88
07/05/2017	14.0	86	1502		4820.78
06/13/2017	9.0	66	1551		4809.48
06/05/2017	6.0	61	1613		4805.38