



April 6, 2017

CERTIFIED MAIL # 7015 3010 0002 0309 9206

Mr. Robin Jones, District 1 Supervisor
Wyoming Department of Environmental Quality
Land Quality Division
200 West 17th Street
Cheyenne, Wyoming 82002

CAMECO RESOURCES

Smith Ranch-Highland
Operation

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AD-8964

Missed Sample at Monitor Well M-1538 in Mine Unit 15, Permit No 633, Smith Ranch – Highland Uranium Projects, Cameco Resources

Dear Mr. Jones:

Power Resources, Inc. d/b/a/ Cameco Resources (Cameco) is writing this letter to notify the Wyoming Department of Environmental Quality (WDEQ) – Land Quality Division (LQD) of a missed sampling event at Monitor Well M-1538 in Mine Unit 15.

Permit 633, Operations Plan, Section 8.2 states *“The M, MO or MS and MU or MD wells are sampled twice each month at approximately two week intervals, but not less than 10 days apart, and are analyzed for the UCL parameters. In the event of unforeseen conditions (e.g. safety concerns, equipment malfunction, electrical problems, wells lacking sufficient water, adverse weather conditions, unsafe ground conditions or inaccessibility, aggressive wildlife or wildlife concerns, etc.) and a well(s) is missed in a given sampling round, the information not collected will be considered missed data. Trends of specific data points are indicators of the status of a wellfield. If a sample cannot be taken from a well, the data collected in at least the two previous sampling rounds from that well will be used in conjunction with the remaining well field data to determine the status of the wellfield.”*

Monitor Well M-1538 was sampled on March 15, 2017 and was scheduled to be sampled for the second time in March on March 31, 2017. Due to equipment malfunction the March 31, 2017 sample was unobtainable. Monitor Well M-1538 is schedule to be sampled again on April 17, 2017.

As required Cameco has reviewed the historical sampling data at this well and surrounding wells to determine the status of the wellfield. Historical sampling data shows no concern of Monitor Well M-1538 going on excursion status and the skipped sample has not impacted the monitoring of the wellfield. The following table shows the data for the previous three sampling rounds:

NMSS01

Sample Date	Chloride (mg/L)	Alkalinity (mg/L CaCO ₃)	Conductivity (uMhos/cm)	Water Level ft. from surface)
3/15/2017	4	176	652	163.5
2/28/2017	3	173	651	162.8
2/14/2017	3	178	641	163.5

Please call me at (307) 358-6541 ext. 476 or email at Kenneth_Garoutte@cameco.com if you have questions.

Respectfully,



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

KG/vg

cc: File SR 4.3.3.1
Mr. Doug Mandeville, NRC - CERTIFIED MAIL # 7015 3010 0002 0309 9213
Document Control Desk, NRC - CERTIFIED MAIL # 7015 3010 0002 0309 9220

cc: Cameco-Casper