



CAMECO RESOURCES
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September 14, 2011

Mr. Lowell Spackman
District I Supervisor
Land Quality Division
Wyoming Department of Environmental Quality
122 W. 25th Street
Cheyenne, WY 82002

CERTIFIED MAIL #7010 0780 0001 6001 9909 RETURN RECEIPT REQUESTED

RE: Excursion at Monitor Well KM-031, Cameco Resources, Permit No. 633

Dear Mr. Spackman:

In accordance with WDEQ/LQD Chapter 11 regulations, Section 5.2.2 and 5.5.4 of the Operations Plan for Permit 633 and NRC License Condition No. 11.5, Power Resources, Inc. d/b/a/ Cameco Resources (Cameco) is providing written notification that Monitor Well KM-031 went on excursion status September 8, 2011. Confirmation monitoring results were received on September 12, 2011. Ms. Pam Rothwell from WDEQ/LQD, and Mr. Doug Mandeville from the NRC were notified by telephone and email on September 12, 2011.

Analytical results of September 7, 2011 for the routine sample taken on September 6, 2011 indicated a potential exceedance in two of the three parameters (alkalinity and conductivity). Cameco collected a confirmation sample from the monitor well and analyzed it with a quality assurance duplicate on September 7, 2011. Results of this laboratory analysis did not show exceedance. On September 8, 2011 another confirmation sample was collected from the monitor well and analyzed. Results of this laboratory analyses confirmed the exceedance of Upper Control Limit (UCL) parameters. Shown below are results of all analysis taken.

Sample Date	Chloride (mg/L)	Alkalinity (mg/L CaCO ₃)	Conductivity (µMhos/cm)
	UCL 16	UCL 149	UCL 769
09/08/11	8	151	790
09/07/11	8	150	755
09/06/11	8	152	780

FSME21

Monitor Well KM-031 is located in Mine Unit K as illustrated on the attached map and belongs to monitor wells installed for monitoring the lower portion of Mine Unit K. Weekly samples will be collected to monitor the UCL constituents until the excursion is resolved. The excursion at Monitor Well KM-031 has been added to the monthly Excursion Report Summary and will be identified on the Cameco Resources site map.

Pursuant to WDEQ/LQD Chapter 11, Section 2 a duly authorized representative certification is attached.

Please contact Larry Teahon at (307) 358-6541 ext. 435 if you have any questions.

Sincerely,



Brent Berg
General Manager

BB/vg

Attachment: 1) Duly Authorized Representative Certification
2) Map

cc: File SR 4.6.4.1
Doug Mandeville, NRC (2 copies) Certified Mail #7010 0780 0001 6001 9916
Document Control Desk, NRC Certified Mail #7010 0780 0001 6001 9923

cc: CR-Cheyenne

Duly Authorized Representative Certification

I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for known violations.

Duly Authorized Representative: Brent Berg

Date: 09-14-11

