



CAMECO RESOURCES
*Smith Ranch-Highland
Operation*
Mail:
P.O. Box 1210
Glenrock, WY
82637 USA

Tel: (307) 358-6541
Fax: (307) 358-4533
www.cameco.com

September 13, 2010

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

CERTIFIED MAIL #70101060000021397634 RETURN RECEIPT REQUESTED

**RE: Highland Uranium Project, Permit to Mine No. 603, Update on
Monitor Well CM-15 Excursion**

Dear Mr. Spackman:

Pursuant to the Wyoming Department of Environmental Quality Land Quality Division (WDEQ/LQD) Chapter 11 regulations, Permit 603 Plan of Operations Section 8, and the Nuclear Regulatory Commission (NRC) License Condition No. 11.5, Power Resources, Inc. d/b/a/ Cameco Resources (CR) provided verbal notification on September 10, 2010 to Mr. Steve Ingle from WDEQ/LQD, and Mr. Doug Mandeville from the NRC that monitor well CM-15 was on excursion. In accordance with regulation and permit requirements, CR is herein providing written notification that monitoring results received September 10, 2010 showed it to be on excursion status on September 9, 2010.

Analytical results of September 10, 2010 for the routine sample taken on September 9, 2010 indicated a potential exceedance in two of the three parameters (conductivity and alkalinity). CR collected a confirmation sample from the monitor well and analyzed it with a quality assurance duplicate on September 10, 2010. Results of the laboratory analyses confirmed the exceedance of Upper Control Limit (UCL) parameters as shown below.

Sample Date	Chloride (mg/L)	Alkalinity (mg/L CaCO₃)	Conductivity (µMhos/cm)
	UCL 18	UCL 202	UCL 852
9/10/2010	14	215	859
9/9/2010	14	205	891

Monitor Well CM-15 is located in Mine Unit-C as depicted on the attached map. Weekly samples will be collected to monitor the UCL constituents. The excursion at monitor well CM-15 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.

If you have questions, please call me at (307) 358-6541, Ext. 474

Sincerely,



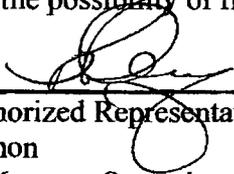
Angelo Kallas
Safety, Health, Environment and Quality Manager

AK/dk

cc: T. Cannon J. Brister File HUP 4.6.4.1
D. Mandeville, USNRC (2 copies)

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.



9.13.10

Duly Authorized Representative:
Tom Cannon
General Manager Operations
Cameco Resources

Date

