



CAMECO RESOURCES
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August 5, 2009

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

RE: Highland Uranium Project, Permit to Mine No. 603, Excursion at
Monitor Well IM-8

Dear Mr. Spackman:

In accordance with WDEQ/LQD Chapter 11 Section 12 and NRC License Condition No. 11.5, Power Resources, Inc. d/b/a Cameco Resources (CR) is submitting written notification that Monitor Well IM-8 monitoring results indicated the well was on excursion July 31, 2009. CR reported this to Ms. Pam Rothwell from WDEQ/LQD and Mr. Doug Mandeville from NRC on July 31, 2009.

Analytical results of July 31 for the routine sample taken July 30, 2009 showed an exceedance in two of the three Upper Control Limits (UCLs) as shown on the table below. Analysis and modeling indicate a sufficient cone of depression is present in the wellfield which should inhibit a potential excursion. Additional investigations have therefore been scheduled to determine other possible issues concerning the well. Information regarding the results of the investigations will be forthcoming.

Sample Date	Chloride (mg/L)	Alkalinity (mg/L CaCO₃)	Conductivity (μMhos/cm)
	UCL 17	UCL 211	UCL 928
7/31/2009	24	220	808
7/30/2009	24	215	855

If you have questions, please contact me at (307) 358-6541, Ext. 462.

Sincerely,

John McCauley for
WAYNE ANDERSON

Wayne Anderson
Manager, Environment, Health and Safety

cc: T. Cannon S. Bakken B. Johnson File HUP 4.6.4.1
T. Hewitt M. Bryson D. Mandeville, USNRC (2 copies)
File SR 4.3.3.1