



January 27, 2012

Mr. Lowell Spackman, District I Supervisor  
Wyoming Department of Environmental Quality  
Land Quality Division  
Herschler Building, 3<sup>rd</sup> Fl-West  
122 West 25<sup>th</sup> Street  
Cheyenne, WY 82002

**CAMECO RESOURCES**  
Smith Ranch-Highland  
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CERTIFIED MAIL #7011 0470 0001 0202 3129 RETURN RECEIPT REQUESTED

Re: Missed Sampling Event, 15 Day Written Notification, Mine Unit I, Permit 603, Cameco Resources

Dear Mr. Spackman:

Power Resources, Inc. d/b/a Cameco Resources (Cameco) is herein providing a written notification to Wyoming Department of Environmental Quality (WDEQ)-Land Quality Division (LQD) regarding a missed sampling event in Wellfield I. Pursuant to Permit 603 Operations Plan, Section 8.2, Cameco verbally notified Ms. Pam Rothwell of the LQD and Mr. Doug Mandeville of the NRC on January 13, 2012 that Well IM-016 and Well IM-017 could not be sampled at the required two week interval. Stated in Section 8.2, a written notification to include a trend analysis is to be provided within 15 days of the verbal notification.

Wells IM-016 and IM-017 could not be safely accessed to conduct excursion monitoring sampling on January 12<sup>th</sup> or January 13<sup>th</sup>, 2012 due to power lines related to a Rocky Mountain Power project on the ground in the area. Subsequent to discussion with Pam Rothwell on January 13<sup>th</sup>, the wells were sampled on January 16<sup>th</sup> when safe access could be made rather than skip a sampling event as proposed in Section 8.2.

Attached are the sampling results of both wells since December 1, 2011 including the January 16<sup>th</sup>, 2012 results. Analysis of the data for both these wells show stable water quality conditions and no potential trend leading to an excursion.

FSME20

Please contact me at 307-358-6541, ext. 476 or at [Kenneth\\_Garoutte@cameco.com](mailto:Kenneth_Garoutte@cameco.com) if you have any questions.

Respectfully,



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

KG/kg

Attachments: Well IM-016 Sampling Results  
Well IM-017 Sampling Results

cc: File HUP 4.3.3.1  
Special Volume: Missed Sampling Trend Analysis  
Doug Mandeville, NRC (2 copies) Certified Mail # 7011 0470 0001 0202 3136  
Document Control Desk, NRC Certified Mail # 7011 0470 0001 0202 3143

ec: Cameco-Cheyenne



*Cameco Resources*  
*Smith Ranch - Highland Operation*  
*Monitor Well Report*

*Well ID: IM-017*

<i>NRC/WDEQ UCL</i>	<i>Chloride (mg/L)</i>	<i>Alkalinity (mg/L CaCO<sub>3</sub>)</i>	<i>Conductivity (µMhos/cm)</i>	<i>U<sub>3</sub>O<sub>8</sub> (mg/L)</i>	<i>Water Elevation</i>	<i>Comment</i>
	17	211	928			
01/16/2012	3	127	456		5063.6	
12/27/2011	3	133	462		5059.9	
12/14/2011	3	126	443		5061.4	
12/01/2011	3	120	443		5061.1	



*Cameco Resources*  
*Smith Ranch - Highland Operation*  
*Monitor Well Report*

*Well ID: IM-016*

<i>NRC/WDEQ UCL</i>	<i>Chloride (mg/L)</i>	<i>Alkalinity (mg/L CaCO<sub>3</sub>)</i>	<i>Conductivity (µMhos/cm)</i>	<i>U<sub>3</sub>O<sub>8</sub> (mg/L)</i>	<i>Water Elevation</i>	<i>Comment</i>
	17	211	928			
01/16/2012	3	171	573		5056.2	
12/27/2011	3	171	586		5055.8	
12/14/2011	3	169	577		5054.2	
12/01/2011	3	170	556		5054.4	