



July 23, 2012

Mr. Lowell Spackman, District 1 Supervisor  
Wyoming Department of Environmental Quality  
Land Quality Division  
Herschler Building, 3<sup>rd</sup> FL-West  
122 W. 25<sup>th</sup> Street  
Cheyenne, WY 82002

**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](http://www.cameco.com)

CERTIFIED MAIL # 7011 0470 0001 0202 2061 RETURN RECEIPT REQUESTED

Re: Selenium Issues at Irrigation Circles, 2007-2008 Annual Report Comments, Plan of  
Action to Provide Characterization Information, Permit 603, Cameco Resources

Dear Mr. Spackman:

Power Resources, Inc. d/b/a Cameco Resources (Cameco) is herein providing a set of action plans to provide Wyoming Department of Environmental Quality (WDEQ) – Land Quality Division (LQD) characterization information related to selenium issues at irrigator circles on Permit 603. LQD has requested in their review of the 2010-2011 Annual Report for Permit 603 a surety increase of \$138,734,000 to remove soil at the irrigator circles and transport to an 11e (2) disposal. It is not clear the soil should be classified as 11e (2) material; furthermore, historical studies are not indicative of 12" of soil requiring disposal in an 11e (2) facility. Cameco does not believe the surety increase is warranted; hence the company proposes to address the selenium issues via the following actions:

1. Respond to the 2007-2008 Annual Report comments 19 through 22 with associated prepared studies and indexes of change (TFN 3 1/251) by **August 13, 2012**.
2. Evaluate and design a proposal to dispose of harvested vegetation. Cameco will contact LQD by **August 31, 2012** to schedule a meeting to review the proposal.
3. Develop a proposal with a work plan for the remediation of the selenium elevated soil. University of Wyoming Professor of Soil Ecology and Director of Wyoming Restoration & Reclamation Center, Pete Stahl, will provide a proposal and work plan to Cameco by August 20, 2012. Cameco will contact LQD by **October 5, 2012** to schedule a meeting to review the work plan.

4. Complete an Ecological Risk Assessment on Land Application Use of Irrigators early in September, 2012. Cameco will contact LQD by **October 5, 2012** to schedule a meeting to review findings and discuss future irrigator application.

Please contact me at 307-358-6541, ext. 476 or email to [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

Cc: File HUP 4.3.3.1  
Doug Mandeville, NRC  
NRC Document Control Desk

CERTIFIED MAIL # 7011 0470 0001 0202 2078  
CERTIFIED MAIL # 7011 0470 0001 0202 2085

Ec: Cameco-Cheyenne