



CAMECO RESOURCES
Smith Ranch-Highland
Operation
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May 13, 2014

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Mr. Miles Bennett, Uranium Coordinator
Land Quality Division, District 3
Wyoming Department of Environmental Quality
2100 West 5th Street
Sheridan, WY 82801

East Impoundment (Evaporation Pond) Leak Monthly Update, Cameco Resources, Smith Ranch-Highland Uranium Project, Permit to Mine No. 633

Dear Mr. Bennett:

Power Resources, Inc. d/b/a Cameco Resources (Cameco) is herein providing a monthly update to the Wyoming Department of Environmental Quality, Land Quality Division (LQD) and the Nuclear Regulatory Commission (NRC) regarding a leak into secondary containment (sump) discovered on November 4, 2011 at the East Impoundment, referred to as Evaporation Pond in Permit 633. LQD Permit 633 Volume I, Operations Plan, Section 3.7.5, and NRC License Section 5.3.6 state "A written report will be submitted to LQD and NRC within 30 days after the notification of the suspected leak and every 30 days thereafter until the leak is repaired".

Due to seasonal weather conditions, dewatering of the east impoundment continued to be impeded during the month of April. Cameco anticipates that the slurry removal process will commence in May, with installation of the new liner will to follow. No water has been present in the east sump and no samples have been collected since June 19, 2013. The east sump will continue to be monitored and if liquid is present the appropriate samples will be obtained.

Please contact me at (307) 358-6541 ext. 476 or Kenneth_Garoutte@cameco.com if you have questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Ken Garoutte", written over a horizontal line.

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

KG/vg

TSMEZD

cc: File SR 4.3.3.1 File SR 4.3.3.4
Special Volume: Impoundment Reports Start February 1999
Mr. Doug Mandeville – NRC Certified Mail # 7012 1640 0000 2326 6271
Document Control Desk, NRC Certified Mail # 7012 1640 0000 2326 6288

ec: Cameco-Cheyenne

xc: Cheyenne LQD Files