



**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)**

February 2, 2009

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

RE: Permit to Mine 633, License No. SUA-1548, Docket No. 40-8964, TFN 4 6/381 Mine Unit K  
Extension Baseline Water Quality Data and UCLs, Mine Unit K Extension Hydrologic Test  
Report

Dear Mr. Spackman:

Per the October 28, 2008 WDEQ letter, Approval to Proceed with Pump Test, Power Resources, Inc. d/b/a Cameco Resources (CR), is herein providing two (2) copies of the Mine Unit K Extension Baseline Water Quality and Upper Control Limit (UCL) calculations and the "Mine Unit K Extension Hydrological Test Report" for review and approval. This package, once approved, would be inserted into the permit as an attachment to Volume III-K, Appendix D-6 for Wellfield K. Plate 1, Proposed Monitor Ring Changes, nor Form 11 are provided for in this document. Plate 1 as approved in the October 28, 2008 WDEQ letter will supersede preceding maps for insertion into the wellfield package. The Form 11 for the Mine Unit K Expansion was approved per WDEQ letter dated August 8, 2008.

CR installed six new monitoring wells for the expansion, previously identified as KM-029 through KM-034A in correspondence dated February 25, 2008. New baseline water quality samples were collected from these wells and results are provided herein. Round 1 sampling results for KM-034A indicated some inconsistencies and another sample is being collected for analysis. The results will be submitted after receipt.

If you have questions or require additional information, please call me at (307) 358-6541, ext. 62.

Sincerely,

  
Krista Wenzel

Manager, Environment, Health and Safety

Attachments: Index of Change, Revised Table of Contents, 2 copies of the Baseline Water Quality and UCL report and data, 2 digitized copies of UCL data, 2 copies of Mine Unit K Hydrological Test Report

cc: S. Bakken T. Cannon w/o atta K. Wenzel w/o atta  
M. Bryson w/o atta S. Hesse w/o atta File SR 4.3.3.1  
D. Mandeville, US NRC w/o atta (2 copies)