



October 16, 2008

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

CAMECO RESOURCES
Smith Ranch-Highland
Operation

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RE: Permit to Mine 633, License SUA-1548, Docket 40-8964
 Mine Unit 9 Hydrologic Test Report
 Baseline Water Quality Data & Upper Control Limits
 Form 11: Application for Permit Revision-Revised Spreadsheet and UCL Table.

Dear Mr. Spackman:

In accordance with Section 5.1.2 Monitor Well Baseline Data and UCLs document of the approved permit application and Mine Unit Test Plan submitted under cover letter dated June 25, 2008, Power Resources Inc. (PRI) dba Cameco Resources is submitting herein, for your review and approval, a revised copy of the baseline water quality data and associated upper control limits (UCLs) for Mine Unit 9, with a correction made to the Conductivity UCL for Monitor Wells 9M-901 through 9M-951, per Steve Ingel. The Baseline data are included in Spreadsheet form in electronic format on the enclosed disk.

The "Mine Unit Hydrological Test Report" and form 11 application were previously sent with the original submittal dated August 7, 2008. Approval of this report, the baseline water quality data and UCLs, will allow PRI to begin in situ recovery mining operations in Mine Unit 9.

TABLE 1

Proposed Upper Control Limits (UCLs) for Mine Unit 9 Monitoring Wells

Well Numbers	Zone Monitored	Upper Control limits (UCLs)		
		Chloride (mg/L)	Alkalinity	Conductivity
9M-901 – 951	Production Zone	18	335	1597
9MO-001 - 014	Overlying Aquifer	17	320	1779
9MU-001 – 014	Underlying Aquifer	17	320	1202

If you have any questions or require additional information, please call me at (307) 358-6541, ext. 46.

Sincerely,


for John McCarthy

Manager, Safety, Health and Environmental, RSO.

Attachments

cc: S. Bakken
M. Bryson w/o atta
File SR 4.3.3.1

T. Cannon w/o atta
S. Hesse w/o atta
Courtesy copy: D. Mandeville, USNRC w/o atta.