



CAMECO RESOURCES
Smith Ranch-Highland
Operation

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February 27, 2008

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

RE: Permit to Mine 633, License SUA-1548, Docket 40-8964
Report of East Storage Pond Leak and Corrective Actions

Dear Mr. Spackman:

Power Resources, Inc. d/b/a Cameco Resources (CR) is herein reporting a leak in the East Storage Pond at the Smith Ranch Facility. Following confirmation results, the leak was reported to Ms. Pam Rothwell of the Land Quality Division, Wyoming Department of Environmental Quality and Mr. Doug Mandeville, USNRC Project Manager, on February 27, 2008.

The cause of the leak is unknown so corrective actions have not been identified. The pond has been lowered below the leak.

Initial and Confirming Sample Results

Sample	U ₃ O ₈	Chloride	Bicarb	Sulfate	Conductivity
E. Sump	(ppm)	(g/L)	(g/L)	(g/L)	(mS/cm)
2/26/09	263	0.7	0.8	1.3	4.3

If you have questions or need additional information please call me at (307) 358-6541, ext. 462.

Sincerely,

Krista Wenzel
Manager, Environment, Health and Safety

cc: D. Mandeville, NRC Project Manager (2 copies) T. Cannon
M. D. Bryson S. Bakken File SR-4.3.3.4