



**Smith Ranch - Highland Uranium Project**  
 P. O. Box 1210  
 Glenrock, Wyoming USA 82637  
 Casper: 307-235-1628  
 Douglas: 307-358-6541  
 Fax: 307-358-4533

May 9, 2003

Mr. John Wagner, Cheyenne Office Program Manager  
 Land Quality Division  
 Wyoming Department of Environmental Quality  
 122 West 25<sup>th</sup> Street  
 Cheyenne, WY 82002

RE: Corrective Action Report 16, West Evaporation Pond Leak  
 Permit to Mine 633, License SUA-1548, Docket 40-8964

Dear Mr. Wagner:

Power Resources, Inc. (PRI) is herein providing a monthly status report for the West Evaporation Pond leak at the Smith Ranch facility.

**West Evaporation Pond Status**

During a routine inspection on January 4, 2002, it was discovered that the water level in the West Evaporation Pond sump exceeded six inches (6"). The water level in the pond, 3' 2" at the time of the discovery, was lowered to 2' 10" in order to stop the leak. The sump water was analyzed for chloride, specific conductance, bicarbonate, uranium, and sulfate. The results are provided below:

Chemical	Concentration
Chloride	5,100 mg/L
Specific Conductance @ 25° C	3,941 μ Siemens
Bicarbonate	396 mg/L
Uranium as U <sub>3</sub> O <sub>8</sub>	36 mg/L
Sulfate	4,700 mg/L

Upon receipt of the confirming analysis, both Steve Ingle, WDEQ-LQD Project Manager, and John Lusher, NRC Project Manager, were notified via telephone on January 11, 2002.

During the report period, April 12 through May 9, 2003, the water level in the West Evaporation Pond was maintained at 3' 1" or less with no apparent signs of leakage. PRI will continue to monitor the sump for pond leakage and take appropriate actions, as necessary.

*nmss01*

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

Sincerely,



Scott A. Bakken  
Acting Manager-Health, Safety  
& Environmental Affairs

cc: J. Lusher, NRC Project Manager (Addressee Only)  
S.P. Collings  
R. Knode  
File SR-4.3.3.4

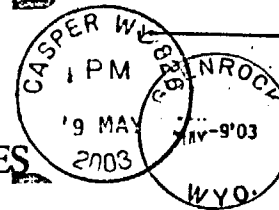


**POWER  
RESOURCES**

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P. O. Box 1210  
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**ADDRESSEE ONLY**

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US Nuclear Regulatory Commission  
Washington, DC 20555

