



Smith Ranch - Highland  
Uranium Project  
P. O. Box 1210  
Glenrock, Wyoming USA 82637  
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April 11, 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 15, 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 of WDEQ and John Lusher of NRC were notified via telephone on January 11, 2002.

During the report period, March 12 through April 11, 2003, the water level in the West Evaporation Pond increased slightly from a level of 2' 10" as a result of snowmelt within the pond. On March 24, 2003, with the pond level at 4' 0", the pond began to leak as approximately 6" of water collected in the sump. A water sample was collected from the sump and analyzed for chloride, specific conductance, bicarbonate, uranium, and sulfate. The results are provided below:



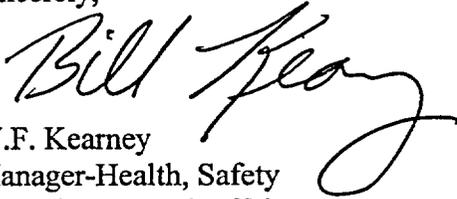
NMSSO1

Chemical	Concentration
Chloride	3,687 mg/L
Specific Conductance @ 25° C	16,300 $\mu$ Siemens
Bicarbonate	176 mg/L
Uranium as U <sub>3</sub> O <sub>8</sub>	67 mg/L
Sulfate	5,350 mg/L

Upon determination of the continued leak from the West Evaporation Pond, the water level was lowered to a depth of 3' 3", with no further leakage. PRI will continue to monitor the sump for pond leakage and take appropriate actions, as necessary.

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

Sincerely,



W.F. Kearney  
Manager-Health, Safety  
& Environmental Affairs

WFK/sab

cc: J. Lusher-USNRC, Rockville, MD  
S.P. Collings  
R. Knode  
File SR-4.3.3.4