



Rio Algom

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July 11, 2002

Mr. Steve Ingle
 WDEQ/LQD
 Herschler Building
 122 West 25th Street
 Cheyenne, WY 82002

RE: Corrective Action Report 6, West & East Evaporation Pond Leak
Permit to Mine 633, License SUA-1548, Docket 40-8964

Dear Mr. Ingle:

West Pond Status

By way of background, on January 4, 2002, during a routine inspection, it was discovered that the water level in the west evaporation pond sump exceeded six (6) inches. The water level in the pond, three feet two inches at the time of the discovery, was lowered to two feet ten inches in order to stop the leak. The sump water was analyzed for chloride, specific conductance, bicarbonate, U_{nat}, and sulfate with the results shown below:

Chemical	Concentration
Chloride	5,100 mg/l
Specific Conductance @ 25 °C	3,941 u Siemens
Bicarbonate	396 mg/l
U _{nat} as U ₃ O ₈	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 this report period, June 12th through July 11th, the water level was maintained between 3' and 3' 8". There was no seepage into the sump. Additional work will be performed in order to repair the leak.

*Per Judy Muszkiewicz
 HIMSSE/PUBLIC*

Steve Ingle
July 11, 2002
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East Pond Status

By way of background, on January 9, 2002, during a routine inspection, it was discovered that the water level in the east evaporation pond sump exceeded six (6) inches. The water level in the pond, four feet seven inches at the time of the discovery, was lowered to three feet six inches in order to stop the leak. The sump water was analyzed for chloride, specific conductance, bicarbonate, U_{nat} , and sulfate with the results shown below:

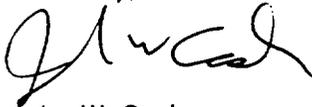
Chemical	Concentration
Chloride	2,900 mg/l
Specific Conductance @ 25 °C	2,857 u Siemens
Bicarbonate	244 mg/l
U_{nat} as U_3O_8	23 mg/l
Sulfate	5,300 mg/l

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 this reporting period, June 12th through July 11th, the water level in the east pond was kept between 4' 4" and 4' 6". There was no seepage into the sump. The water level will be raised in order to confirm the integrity of the liner.

Additional monthly reports will be submitted until correction of the situation is confirmed. If you have any questions or comments regarding the submittal, please feel free to contact me at (307) 358-3744, ext. 62.

Sincerely,



John W. Cash
Manager EHS and Regulatory Affairs

xc: J. Lusher-U.S. NRC (Div. of Low Level Waste Mgt. & Dec.) Rockville, MD
Certified Mail - 7001 2510 0008 1945 3589
B. Ferdinand (RAM-Smith Ranch Facility)
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file