



# Rio Algom

Rio Algom Mining Corp.  
P.O. Box 1390  
Glenrock, Wyoming 82637 307.358.3744 tel  
762 Ross Road 307.266.2449 tel  
Douglas, Wyoming 82633 307.358.9201 fax

**Certified Mail - 7001 2510 0008 1946 3809**  
**Return Receipt Requested**

February 11, 2002

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

**RE: Corrective Action Report 1, West & East Evaporation Pond Leak**  
**Permit to Mine 633, License SUA-1548, Docket 40-8964**

Dear Mr. Ingle:

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 $U_3O_8$	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. The cause of the leak is still being sought.

KimSSOIPublic

Steve Ingle  
February 11, 2002  
Page 2 of 2

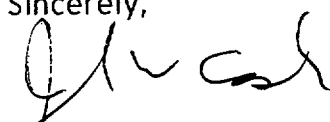
On January 9, 2002, during a routine inspection, it was discovered that the water level in the east evaporation pond sump exceeded six (6) inches. The water level in the pond, four feet seven inches at the time of the discovery, was lowered to three feet six inches in order to stop the leak. The sump 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. The cause of the leak is still being sought.

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 1946 3793, return receipt requested**  
B. Ferdinand (RAMC-Smith Ranch Facility)  
M. Freeman (RAMC-OKC Office)  
P. Goranson (RAMC-OKC Office)  
file