



Bluewater Mill
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RETURN ORIGINAL TO PDR, HQ.

December 13, 1993

Mr. Ramon Hall
 United States Nuclear Regulatory Commission
 Uranium Recovery Field Office, Region IV
 730 Simms Street
 Suite 100
 Golden, Colorado 80401

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 USNRC
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Re: License No. SUA-1470
 Docket No. 40-8902
 Groundwater Corrective Action Program Review

Dear Mr. Hall:

Enclosed are five copies of the groundwater supplemental Corrective Action Program (CAP) review for the Bluewater Mill Site as required by Atlantic Richfield Company (ARCO) Material License, #SUA-1470. The construction of the CAP was initiated in November 1992 and completed by March 1993. As indicated in our Consolidation Report submitted to your office, over 90 percent of consolidation has occurred over the slimes portion of the Main Tailings Pile where the wick system was installed for the groundwater supplemental CAP. This indicates that the CAP has already performed to at least its 90 percent efficiency. The report contains the results of the CAP, including the effectiveness of the wicks system in removing tailings liquid from slimes and its impact on groundwater concentrations. The future annual reviews will not include removal of tailings liquid from slime, as this objective has already been achieved. Future annual reviews will report on CAP effectiveness on groundwater concentrations from continued groundwater compliance monitoring.

The CAP has met the performance objective specified in the plan by reducing significant amounts of constituents seeping from the main tailings pile. This complies with the target date of December 31, 1993 in our license for completion of groundwater corrective actions. The groundwater concentrations at the Bluewater Mill Site are As Low As Reasonably Achievable (ALARA) and do not pose present or potential hazard to human health or the environment. The groundwater concentrations are declining and will continue to decline. ARCO has already submitted a groundwater Alternate Concentrations Limits (ACLs) petition to the NRC and followed up with responses to NRC's questions to the petition. ARCO looks forward to NRC's approval of the ACL petition.

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Certified By Mary C. Ford

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Should you have any question regarding this submittal, please contact me or Natver Patel of my staff.

Sincerely,



R. S. Ziegler
Project Manager

/jmn

Enclosures (5)

pc: N. Patel
S. Purdy
R. Ohrbom, NMED