



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION IV  
URANIUM RECOVERY FIELD OFFICE  
BOX 25325  
DENVER, COLORADO 80225

JUL 18 1990

URFO:DCW  
Docket No. 40-8681  
SUA-1358, Amendment No. 22  
04008681290R

Umetco Minerals Corporation  
ATTN: Don Sparling  
Plant Superintendent  
White Mesa Uranium Mill  
P. O. Box 669  
Blanding, Utah 84511

Dear Mr. Sparling:

Our office is in receipt of your amendment requests dated October 27, 1989, and April 3, 1990 for an option to either fill or place a synthetic liner in the mill area sedimentation pond. This action will be taken to determine whether increases in the Pond 2 leak detection system are from tailings seepage or from sedimentation pond seepage. From the review of your submittals we have concluded that the action to be taken is acceptable.

Pursuant to Title 10, Code of Federal Regulations, Part 40, Source Material License SUA-1358 is hereby amended by modifying License Condition No. 48C to read as follows:

- 48. The licensee shall implement a ground-water detection monitoring program to ensure compliance to 10 CFR Part 40, Appendix A. The detection monitoring program shall be in accordance with the licensee's August 1, 1989 submittal and include the following:
  - A. The leak detection system for all ponds will be checked weekly. If liquid is present, it shall be analyzed for chloride, sulfate, selenium and pH. The samples will be statistically analyzed to determine if significant linear trends exist and the results will be submitted to the NRC, Uranium Recovery Field Office for review.
  - B. If a significant trend is indicated, the licensee will submit a proposed corrective action for review and approval to the NRC, Uranium Recovery Field Office. The corrective action shall include a discussion on delineation of the areal extent and concentration of hazardous constituents.

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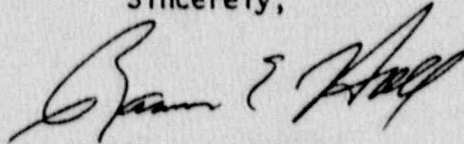
JUL 18 1990

- C. To determine whether increases in the Pond 2 leak detection system are from tailings seepage or from sedimentation pond seepage, the licensee shall by April 1, 1991 implement the changes proposed in their submittal of April 3, 1990. In addition, the licensee shall collect a minimum of six samples characterizing the sedimentation pond material prior to construction and analyze for U-nat and Ra-226. A copy of the analysis shall be submitted to URFO by February 15, 1991.
- D. The licensee shall sample monitoring wells 5, 11, 12, 14, and 15 for potential hazardous constituents and submit this data to the NRC, Uranium Recovery Field Office, so that background can be established and ground-water protection standards set.

All other conditions of the license shall remain the same. The license is being reissued in order to incorporate the modified condition.

This amendment was discussed and agreed to by John Hamrick of your organization and Dana Ward of my staff on July 13, 1990.

Sincerely,



Ramon E. Hall  
Director

Case Closed: 04008681290R



JUL 18 1990

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CONCURRENCE:

DATE:

DWard/URFO/db	<u>DCW</u>	<u>7-17-90</u>
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