

Umetco Minerals Corporation

40-8681



WHITE MESA MILL • P.O. BOX 669 • BLANDING, UTAH 84511
☎ (801) 676-2221

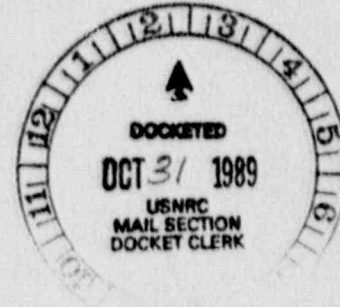
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RETURN ORIGINAL TO PDR, HQ.

OCT 1989
RECEIVED

October 27, 1989

Mr. Ramon E. Hall, Director
U. S. Nuclear Regulatory Commission
Region IV
Uranium Recovery Field Office
Box 25325
Denver, CO 80225



Re: Umetco Minerals Corporation
SUA-1358: Docket No. 40-8681
White Mesa Mill, Utah
License Condition 48

Dear Mr. Hall:

Attached is Umetco Minerals Corporation's request for li-
cense modification required by License Condition 48, issued
October 2, 1989. Enclosed find a check for \$150.

If I can answer any questions that you may have, please feel
free to contact me.

Sincerely yours,

D. K. Sparling
D. K. Sparling
Plant Manager

OFO?
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DESIGNATED ORIGINAL

Certified By Mary C. Hood

Log	700 84-3
Remitter	White Mesa Mill
Check No.	2307
Amount	\$150
Fee Category	2A
Type of Fee	Amtd
Date Check Rec'd	11/24/89
Date Completed	11/24/89
By	Messin

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Part C of License Condition 48 of Source Material License SUA-1358 is as follows.

- C. The licensee shall submit to the NRC, Uranium Recovery Field Office, in the form of a request for license modification, a procedure for determining whether increases in the pond 2 system are from tailings seepage or from fly ash pond seepage. This shall be submitted by November 1, 1989.

The procedure that Umetco proposes is to place a barrier to the transmission of liquids from the fly ash pond (Mill Area Sedimentation Pond) to Cell 2's Leak Detection System (LDS). This barrier will be a geomembrane synthetic liner composed of very high density polyethylene (VHDPE). The method to evaluate the effectiveness of the liner is as follows.

At present, the amount of liquid withdrawn from the LDS is one to two gallons per week. If, within six months of liner installation (liner installation to be completed by July 1, 1990), the amount of liquid present in the LDS is less than one liter per week, Umetco proposes to stop analyzing this liquid for chemical constituents, although a weekly sample will continue to be withdrawn to determine volume. If the amount of liquid is more than one liter per week but less than five gallons per minute, Umetco will continue to sample the liquid on a weekly basis, and analyze the results for chloride, selenium, sulfate, and pH. No other actions are proposed at flow rates in this range. If the flow in the sump is more than five gallons per minute Umetco will install a pump back system and at that time propose to the NRC, in the form of a license modification, further actions consistent with 10 CFR 40, Appendix A.