

Docket File 8681
LFMB/DCS/PDR
DBangart, RIV
PHildenbrand
GKonwinski
State Health Office
URFO r/f

Umetco Minerals Corporation
White Mesa Mill
P.O. Box 787
Blanding, UT 84511

The Uranium Recovery Field Office has completed its review of your September 26, 1984 submittal in response to our July 10, 1984 letter which outlined the NRC staff's acceptance criteria for detection monitoring as prescribed by 40 CFR 192. The NRC has completed its generic review of all the licensees' submittals as discussed in our letter to you of December 28, 1984. Accordingly, the staff has reached a final decision on licensing requirements which are necessary to be incorporated in your license at this time. In a few instances the staff has recommended actions which are in variance with what you proposed in your submittal. Enclosed with this letter for your information is the staff memo supporting this action.

33. The licensee shall implement a ground water detection monitoring program to ensure compliance to 40 CFR 192.32(a)(2) which includes the following elements:

- a. The licensee shall monitor at the point of compliance and background wells for the following indicator parameters: Arsenic, Selenium and pH. The licensee shall utilize analytical techniques capable of providing lower limits of detection of 0.005 mg/l and 0.001 mg/l for arsenic and

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selenium, respectively. Measurements of pH shall be reported to the nearest 1/10 standard unit.

- b. The determination of compliance shall be based on sampling Well Nos. 2 and 3.
- c. The determination of background levels for the parameters specified in subsection (a) shall be defined by sampling Well No. 1.
- d. The licensee shall sample for those parameters specified in subsection (a) above at those wells designated in subsections (b) and (c) on a monthly basis for a period of one (1) year and at least twice annually thereafter. All semiannual samples shall be taken at least four months apart.
- e. The licensee shall, within 60 days of collection of the last of the twelve monthly samples, propose for USNRC review and approval in the form of a license amendment background levels for indicator parameters and a statistical procedure for identifying significant changes (95% confidence level) between data from the wells specified in subsections (b) and (c).
- f. The licensee shall report the data required by subsection (d) semiannually along with those data required by License Condition No. 28 in accordance to the reporting format, Attachment No. 3 to SUA-1358, "Sample Format for Reporting Detection Monitoring Data." These monitoring requirements are in addition to the requirements specified in License Condition No. 27.
- g. The licensee shall report at least annually in accordance to reporting requirements specified in subsection (f) the rate and direction of ground water flow under the tailings impoundment.

The effect of this amendment is to emplace 40 CFR 192.32(a)(2) detection monitoring requirements in your Source Material License in accordance with the staff developed acceptance criteria.

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All other conditions of this license shall remain the same.

The issuance of this amendment was discussed via telephone conversation between your Mr. Sparling and Mr. Garcia of my staff on April 22, 1985.

FOR THE NUCLEAR REGULATORY COMMISSION

/s/
R. Dale Smith, Director
Uranium Recovery Field Office
Region IV

Enclosure: Staff memorandum

Case Closed: 04008681611E

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