



UNITED STATES
NUCLEAR REGULATORY COMMISSION

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

Return to URFO 467-SS
Docket 40-3453
PDR

FEB 26 1983

URFO: PJG
Docket No. 40-3453
040034532200
040034532215
040034532815

MEMORANDUM FOR: Docket File 40-3453
FROM: Pete J. Garcia, Jr., Project Manager
Licensing Branch 2, URFO, RIV
SUBJECT: AMENDMENT NO. 11 TO SUA-917 FOR THE MOAB MILL

By letter dated October 26, 1982, Atlas Minerals submitted engineering plans for interim-phase modifications to Moab Wash in accordance with License Condition No. 16 of SUA-917. The basis for Condition No. 16 was a memorandum to file from T.L. Johnson of the staff dated September 3, 1982 specifying certain modifications which should be made to the Moab Wash channel to assure that the channel could convey the runoff from a PMF event without erosion of tailings.

The hydrologic review of the engineering plans submitted by Atlas is documented in a memorandum to file from T.L. Johnson dated February 22, 1983. The conclusion of the review was that the plans proposed by Atlas were acceptable, and would assure that tailings would not be eroded in the event of a PMF. The memorandum recommended that the plans proposed by Atlas be incorporated into SUA-917.

In addition, by letter dated February 8, 1983, Atlas requested a date extension for submittal of a water balance study. This study was required by Condition No. 53 to be submitted by March 1, 1983. Atlas requested an extension to June 1, 1983 due to difficulties in obtaining flow meters. Atlas indicated that the flow meters have recently been installed and calibrated. The staff agrees that an extension to June 1, 1983 is necessary to enable Atlas to perform an accurate water balance study.

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Certified By B. Fisher

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Based on the above, the staff recommends that Condition Nos. 16 and 53 be amended to read as follows:

16. The licensee shall, by June 1, 1983, make modifications to Moab Wash as specified in their submittal dated October 26, 1983.

In addition, the licensee shall, by June 1, 1983, submit for NRC review and approval in the form of a license amendment a proposed plan for the final reclamation phase modifications to Moab Wash which implements one of the following options:

- (a) The licensee shall provide detailed plans for the installation of riprap protection as specified in their submittal of December 3, 1979, including a toe which meets the criteria specified in the December 3, 1979 submittal.
- (b) The licensee shall provide detailed plans for the relocation of Moab Wash. These plans shall be accompanied by an analysis which shows that erosion resulting in the release of tailings will not occur over the long term.

The June 1, 1983 submittal shall include a breakdown of estimated costs for implementing the preferred option.

53. The licensee shall sample new monitor wells ATP-2-S-82, ATP-2-D-82, MW-1-R and MW-2-R on a quarterly basis. New well ATP-3-82 shall be sampled monthly for the first three months and quarterly thereafter. All samples shall be analyzed for U-nat, Ra-226, Th-230, Pb-210, Po-210, Cl, SO₄, NO₃, As, Se, TDS, conductivity and pH. Data from the groundwater sampling program specified above shall be included in the reports required by Condition No. 43 of this license.

In addition, the licensee shall submit for NRC review by June 1, 1983, the results of a water balance study for the tailings impoundment. This submittal shall include all assumptions and calculations used in the study.

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The issuance of this amendment was discussed via telecon between Richard Blubaugh, Atlas, and myself on February 25, 1983.

Pete J. Garcia Jr.

Pete J. Garcia, Jr., Project Manager
Licensing Branch 2
Uranium Recovery Field Office, RIV

Approved by:

Harry J. Pettengill
Harry J. Pettengill, Chief
Licensing Branch 2
Uranium Recovery Field Office, RIV