



UNITED STATES
NUCLEAR REGULATORY COMMISSION

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

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Docket 40-3453

PDR

URFO:TLJ
Docket No. 40-3453
04003453022E

FEB 22 1983

MEMORANDUM FOR: Docket File No. 40-3453

FROM: T. L. Johnson
Licensing Branch I
Uranium Recovery Field Office
Region IV

SUBJECT: REVIEW OF MODIFICATIONS TO MOAB WASH - ATLAS URANIUM
MILL

Background

By letter dated October 26, 1982, Atlas Minerals submitted engineering plans and details regarding interim-phase modifications to Moab Wash. This information was required by License Condition No. 16, which was issued on September 3, 1982. The principal basis for issuance of this amendment was a memorandum to file that was written by me on September 3, 1982. In my review of the licensee's initial submittal, I concluded that certain modifications to the Moab Wash channel should be made to assure that erosion of tailings would not occur during an occurrence of a Probable Maximum Flood (PMF). In addition, in that memorandum, I outlined the necessary modifications that would be needed to assure the stability of the channel. License Condition No. 16 incorporated those recommendations for channel modification.

Discussion

I have reviewed the licensee's submittal to determine if the submittal meets current license requirements. Based on this review, I conclude that the license requirements have been met, since the licensee now proposes to do the following:

- 1) Regrade portions of the channel to allow for smooth drainage patterns.

DESIGNATED ORIGINAL

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- 2) Backfill in the empty barium chloride ponds located at the toe of the embankment.
- 3) Excavate portions of the left bank (looking downstream) of the Moab Wash channel to be lower than the right bank of the channel (to allow flood flows to overtop the left bank).

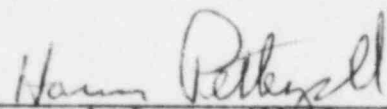
Conclusions

Based on my review of the licensee's submittal, I conclude that all requirements of the license have been met and that this engineering plan will assure that the Moab Wash channel will be adequate to safely convey the runoff from an occurrence of a PMF, without erosion of tailings. I recommend that License Condition No. 16 be modified to require implementation of the engineering plans outlined in the licensee's October 26, 1982 submittal. I also recommend that an inspection of the work be performed soon after the work is completed.



T. L. Johnson
Licensing Branch 1
Uranium Recovery Field Office
Region IV

Approved By:



Harry J. Pettengill, Branch Chief
Licensing Branch II
Uranium Recovery Field Office
Region IV

Case Closed: 04003453022E