

Return to URFD 467-55

Docket 40-3453

PDR

Atlas Minerals
Division of Atlas Corporation
Post Office Box 1207
Moab, Utah 84532-1207
Phone (801) 259-5131

October 26, 1982



Uranium Recovery Licensing Branch
Division of Nuclear Material
Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Attention: R. Dale Smith.

Re: Moab Wash Modifications
NRC Source Material License SUA-917
Docket No. 40-3453

Gentlemen:

This correspondence transmits engineering details and drawings for interim operation phase modifications of the Moab Wash as requested by revised License Condition No. 16 contained in the September 3, 1982 Amendment No. 9 to our License SUA-917.

We understand we are expected to complete the modifications by June 1, 1983. Further, we understand that we are requested to submit a license amendment proposing a plan for the final reclamation phase modifications to Moab Wash by June 1, 1983.

We trust the enclosed details and drawings are sufficient for your review and approval. If you have any questions, please contact us at your convenience.

Very truly yours,

Richard E. Blubaugh
Regulatory Affairs Manager

REB:cf

Enclosures.

cc: R. R. Weaver
M. A. Drozd
W. M. Jensen
D. L. Edwards
P. Garcia

(Each w/enclosures.)

B Fisher

8303170682 831026
PDR ADOCK 04003453
C PDR

20820

MOAB WASH MODIFICATION PROJECT

INTRODUCTION.

To satisfy the requirements of the Nuclear Regulatory Commission to preserve the east side of the tailings dam in the event of a probable maximum flood, the following modifications of the Moab Wash will be made:

1. Return secondary drainage to a constant hydraulic gradient.
2. Grade east side of the drainage channel on the east side of the tailings dam to three feet below west side elevation.
3. Dress channel as necessary.
4. Fill and cover three small evaporation ponds at the toe of the east tailings dam.

PROJECT DETAILS.

1. Secondary drainage coming from the north and joining the Moab Wash near the northeast corner of the tailings dam will be filled and regraded to a constant hydraulic gradient. Regrading will begin at coordinate point 5985N & 5960E, and continue to coordinate point 5600N & 6150E.

2. The east bank of the drainage east of the tailings dam will be graded from existing elevation at coordinate point 5600N & 6260E, to three feet lower than west bank elevation of 3977 feet at coordinate point 5290N & 6275E. From this point for 900 feet east, bank grade will be maintained three feet below west bank elevation.

3. Two 100 foot sections of channel, one on either side of coordinate point 5300N & 6270 E, will be straightened and dressed.

4. Three small ponds between the tailings dam toe and the west bank of the drainage channel will be filled. A total of 11,800 cubic yards of waste rock will be used for fill, and 1,800 cubic yards of natural material will be used to cover the ponds at one foot of depth. Before filling begins, ponds will be permitted to evaporate dry.

To facilitate cycling of earthmoving equipment, one or two temporary earthen crossings will be made at convenient locations. At the

completion of the project they will be removed and the channel will be dressed.

Fill material will be moved a maximum of 1400 feet from waste piles to pond sites. Waste piles are located across from the scale house, and at the south end of the mill site.

Map MM-J-2e (enclosed) provides two-foot contours, cross-sections, and location numbers for the above project items.

GENERAL INFORMATION.

The majority of the work will be contracted to an earthmoving contractor. Estimated project time is twelve (12) days.

Engineering control and oversight will be maintained by Atlas Minerals' engineering staff.