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40-3453

Atlas Minerals
Division of Atlas Corporation
2508 Prudential Plaza
1050 17th Street
Denver, Colorado 80202
Phone (303) 534-8187
August 23, 1979



United States Nuclear Regulatory Commission
Uranium Recovery Licensing Branch
Washington, D.C. 20555

Attention: Mr. Ross Scarano

Gentlemen:

This letter is a request for amendment of sections 15, 25(d), 36, and 45 of License No. SUA-917, Docket No. 40-3453.

Section 15 - Atlas Minerals proposes to: raise the existing tailing dam 12' to an elevation of 4,058' in accordance with the enclosed plans and specifications dated 8/23/79.

Section 25(d) - Atlas Minerals requests that the words "change room" in line four be changed to "guard house."

Section 36 - Atlas Minerals cannot provide individual dikes around hazardous chemical storage tanks because of space limitations. Atlas Minerals proposes to provide area containment and asks that Section 36 be amended to read: "An existing on site catchment basin west of the S-X units will be lined and the area graded so that any spillage of chemicals from hazardous chemical storage tanks will be contained in this basin. This basin shall be maintained and emptied as required to assure it is effective."

Section 45 - Atlas Minerals requests that the words "ore feed or" in line two be deleted and this sentence be added following the word "inoperative." Operations shall also declare the ore feed area a respirator-only area in the case of a failure of any of the emission control system in this area; this ore feed area will remain a respirator-only area until such failure is repaired.

The requested amendments to sections 25(d), 36, and 45 are in accordance with Mr. Dearth's letter of June 1, 1979 to Mr. John Linehan.

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Applicant
Check No.	63364
Amount/Fee Category	\$150.74
Type of Fee	Admin
Date Check Rec'd.	9/4/79
Received By	SPR 74 Gillis

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request contains add'l
info and an administrative amendment. 13976

United States Nuclear Regulatory Commission
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Enclosed please find our check for \$150.00 in accordance with
the fee schedule for administrative amendments.

Very truly yours,

A handwritten signature in cursive script, reading "Gordon T. Swanby".

Gordon T. Swanby
Vice President
Engineering and Environment

GTS:dh
Enclosures
cc: A. E. Dearth
L. Jacobs



DAMES & MOORE

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SUITE 200, 250 EAST BROADWAY - SALT LAKE CITY, UTAH 84111 - (801) 221-2255
CABLE: DAMEMORE FAX: (801) 221-1332

August 24, 1979

Atlas Minerals
2506 Prudential Plaza
1050 - 17th Street
Denver, CO 80265

Attention: Mr. Gordon Swanby, Vice President
Engineering and Environment

Gentlemen:

Plans and Specifications
Tailings Embankment Expansion Project
12-Foot Raise
For Atlas Minerals
Moab, Utah

The purpose of this letter is to transmit to you the plans and specification documents for the referenced project.

Prior to the finalization of these documents, a preliminary draft was prepared and submitted to you for review. In turn, the preliminary draft was submitted to the U.S. Nuclear Regulatory Commission for its review of the documents. The NRC review was performed by Dr. Terry Howard, engineering consultant and associate professor of geological and civil engineering at the University of Idaho. Recently, through authorization of both Atlas Minerals and the NRC, Mr. James Boddy of Dames & Moore and Dr. Howard have held telephone conversations and a meeting discussing the project. It is our understanding that the final plans and specification documents as submitted herewith are in a condition acceptable to Dr. Howard. Further, it is our understanding that Dr. Howard is informing the NRC of his findings.

Based on the discussions with Dr. Howard, Dames & Moore has performed a stability analysis of the critical cross-section along the western embankment for an end-of-construction condition for the new embankment raise. The slope stability analysis was performed on the embankment section C-C as presented on Plate 3-C of the Engineering Design Study submitted February 15, 1978. The end-of-construction condition was performed in a similar manner as

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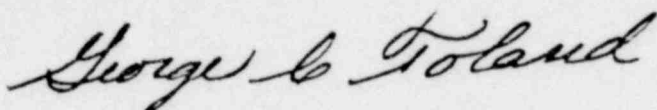
Atlas Minerals
August 24, 1979
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presented in that report. Based on this slope stability analysis it was found that the minimum factor of safety for the western embankment with a raise of the embankment crest to elevation 4058 feet is 1.58 and 1.24 for the static and seismic conditions, respectively. The factors of safety meet regulatory guidelines presented in USNRC Regulatory Guide 3.11.

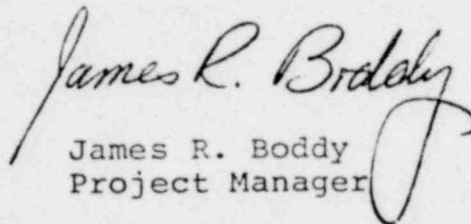
If you have any questions or require additional information, please contact us.

Yours very truly,

DAMES & MOORE



George C. Toland
Partner



James R. Boddy
Project Manager

GCT/JRB/pc

Attachments

cc: Dr. Terry Howard

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