

MAY 05 1977

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Docket 40-3453

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RAScarano

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FCPF:RAS
40-3453

Atlas Corporation
ATTN: Mr. W. P. Badger
P. O. Box 1207
Moab, Utah 84532

Dear Mr. Badger:

During the course of our review of the environmental report submitted in support of your application for a renewal of Source Material License No. SUA-917 we have found that the disposition of tailings generated by the uranium milling process is inadequately addressed.

Please submit a report describing all viable tailings management and reclamation alternatives including a cost/benefit analysis for each alternative. Alternatives considered should include off-site as well as on-site locations for tailings disposition.

To assist you in preparing this report I have enclosed a list of major performance objectives for an acceptable tailings management and reclamation program that has been developed by the NRC staff.

9612230423 770505
PDR ADOCK 04003453
C PDR

OFFICE ➤

SURNAME ➤

DATE ➤

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Please advise me of the probable completion and submittal date(s) for this report.

Sincerely,

Original signed by

Ross A. Scarano
Fuel Processing & Fabrication Branch
Division of Fuel Cycle and
Material Safety

Enclosure:
As stated

cc: Mr. George Toland
Dames & Moore
Suite 200
250 East Broadway
Salt Lake City, Utah 84111

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|---------|---------------|--|--|--|--|--|
| OFFICE | FCPF | | | | | |
| SURNAME | RAScarano:lse | | | | | |
| DATE | 5/05/77 | | | | | |

MAJOR PERFORMANCE OBJECTIVES FOR AN ACCEPTABLE
TAILINGS MANAGEMENT AND RECLAMATION PROGRAM

Siting and Design

1. Locate the tailings isolation area remote from people such that population exposures would be reduced to the maximum extent reasonably achievable.
2. Locate the tailings isolation area such that disruption and dispersion by natural forces is eliminated or reduced to the maximum extent reasonably achievable.
3. Design the isolation area such that seepage of toxic materials into the groundwater system would be eliminated or reduced to the maximum extent reasonably achievable.

During Operations

4. Eliminate the blowing of tailings to unrestricted areas during normal operating conditions.

Post Reclamation

5. Reduce direct gamma radiation from the impoundment area to essentially background.
6. Reduce the radon emanation rate from the impoundment area to about twice the emanation rate in the surrounding environs.
7. Eliminate the need for an on-going monitoring and maintenance program following successful reclamation.
8. Provide surety arrangements to assure that sufficient funds are available to complete the full reclamation plan.