



UNITED STATES
NUCLEAR REGULATORY COMMISSION

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

FEB 25 1994

URFO:DCW
Docket No. 40-3453
X61164

MEMORANDUM FOR: Docket File No. 40-3453
FROM: Dana C. Ward, Project Manager
SUBJECT: ENVIRONMENTAL MONITORING REPORT REVIEW FOR THE MOAB MILL,
FIRST HALF OF 1993

By letter dated August 26, 1993, Atlas Corporation (Atlas) submitted a semiannual environmental monitoring report for the Moab Mill, located near Moab, Utah. The submittal was in accordance with License Condition No. 48 of Source Material License SUA-917.

Environmental monitoring requirements for the Atlas Mill are specified in License Condition No. 49 of SUA-917. The staff review of the environmental monitoring program implemented by the licensee indicates that the program was in accordance with license requirements. The staff review of the data is discussed below.

BACKGROUND

Atlas operates five environmental monitoring stations. Station S-1 is a nearest residence monitor located northeast of the mill. Two stations, S-2 and S-3, are considered unrestricted area monitors. Station S-2 is located near the mill salvage yard. Station S-3 is located northwest of the mill tailings pond. Station S-4 is located at Arches National Park. Monitoring Station S-6 is designated the background monitor and is located 2 miles south of the mill. The predominate wind direction for the monitoring area is from the south-southwest.

Monitoring Station S-2 has been granted a variance to allow unrestricted radon levels to a maximum of 6 picocuries per liter (pCi/l). This variance was permitted by License Condition No. 49(F). The variance was reviewed and approved for 2 more years by letter dated January 6, 1993.

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Airborne Particulates

All results were less than 5 percent of the maximum permissible concentration (MPC) for unrestricted areas. The highest value reported was 2.3 percent of the MPC for Th-230 at Station S-3 for the second quarter of 1993.

Radon

The highest net value (gross value minus background) reported was 2.0×10^{-9} uCi/ml (2.0 pCi/l) at S-2 for the second quarter of 1993. This value is 67 percent of the MPC.

Direct Radiation

The highest gross value reported was 82 mRem at Monitoring Station No. 3 for the first quarter of 1993. The background value for this time period was 9 mRem.

Surface Water

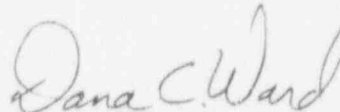
All results were less than 1 percent of the respective MPCs for all sampled radionuclides (U-nat, Ra-226, Th-230, Pb-210, and Po-210).

Ground Water

Ground-water results are reviewed separately to verify compliance with Criterion 5 of Appendix A.

CONCLUSION

The staff concludes that Atlas has implemented an environmental monitoring program and submitted all data in accordance with license requirements. No areas of concern were noted during the data review. No further action is therefore necessary.



Dana C. Ward
Project Manager

Case Closed: X61164

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bcc:
Docket No. 40-3453
PDR/DCS
URFO r/f
DDChamberlain, RIV
DBSpitzberg, RIV
LCamper, RIV
LLUR Branch, LLWM, 5E2
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DCWard/lv <i>Row</i>	EFHawkins	REHall		
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