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UNITED STATES
NUCLEAR REGULATORY COMMISSION

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

OCT 27 1988

URFO:VRS
Docket No. 40-3453
04003453820E

MEMORANDUM FOR: Docket File No. 40-3453

FROM: Van R. Scovill, Project Manager
Licensing Branch 2
Uranium Recovery Field Office, Region IV

SUBJECT: REVIEW OF THE FIRST HALF OF 1988 ENVIRONMENTAL
MONITORING REPORT FOR THE ATLAS MINERALS MOAB MILL

By letter dated August 31, 1988, Atlas Minerals submitted the environmental monitoring report for the period January 1, through June 30, 1988, in compliance with 10 CFR 40.65 and License Condition No. 48 of Source Material License SUA-917. This memorandum presents the URFO staff review of this data and applicable standards.

Staff Analysis of Report

Stack sampling was not performed as the mill did not operate during this period. Airborne particulates, direct radiation levels, and Colorado River sampling, data did not indicate any significant changes from the previous reporting period; however, the staff noted that the lower detection limit (LLD) listed for Pb-210 was not as required by License Condition No. 49 of Source Material License SUA-917. This was discussed with the licensee on October 17, 1988, and the licensee stated that the LLD listed was a typing error and that the correct LLD was utilized. In accordance with License Condition No. 49 of Source Material License SUA-917, vegetation and soil sampling is required annually, vegetation and soil sampling was not conducted during this reporting period. As discussed in the memorandum for Docket File No. 40-3453, dated May 8, 1987, Casework No. 04003453690E, the Radon-222 levels during the winter months have historically exceeded the concentrations listed in 10 CFR 20, Appendix B, Table II. The licensee had previously indicated that the elevated Radon-222 concentrations are due to lengthy temperature inversions, which occur in the vicinity of the mill during the July through December reporting period. Historical data indicates that the Radon-222 concentration decrease significantly during the January through June reporting period as was the case during this reporting period. The staff will continue to analyze this

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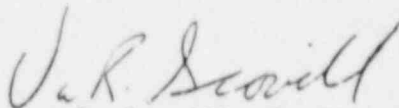
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phenomenon in future reports. While some ground-water trends of increasing concentrations of U-nat, Th-230, and Ra-226 have been identified in previous reports, all concentrations are below the levels listed in 10 CFR Part 20, Appendix B, Table II. Further, there were no significant increased concentrations identified during this report period.

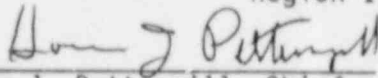
Conclusion

Based upon the staff review of the data submitted by Atlas Minerals, the staff concludes that all of the required environmental data has been provided. Additionally, the staff concludes that no further action is necessary at this time.



Van R. Scovill, Project Manager
Licensing Branch 2
Uranium Recovery Field Office
Region IV

Approved by:



Harry J. Pettengill, Chief
Licensing Branch 2
Uranium Recovery Field Office
Region IV

Case Closed: 04003453820E

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CONCURRENCE:

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