



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

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

JAN 11 1991

URFO: PJG  
Docket No. 40-8902  
04008902420E

MEMORANDUM FOR: Docket File No. 40-8902  
FROM: Pete J. Garcia, Jr.  
Project Manager  
SUBJECT: ENVIRONMENTAL MONITORING REPORT FOR THE BLUEWATER MILL

By letter dated August 15, 1990, ARCO Coal Company submitted a semiannual environmental monitoring report for the Bluewater Mill. The report covers the period January through June, 1990. The submittal was in accordance with License Condition No. 12 of Source Material License SUA-1470.

Environmental monitoring requirements for the Bluewater Mill are specified in License Condition Nos. 32 and 35 of SUA-1470. The staff review of the environmental monitoring program implemented by the licensee indicates the program was in accordance with license requirements. The staff review of the data is discussed below.

Airborne Particulate

All results were well below 10 percent of the maximum permissible concentration (MPC) for unrestricted areas.

Radon

The highest net value (gross value minus background) reported was 35 percent of MPC. The gross value of 58.9 percent of MPC, which was recorded for the first quarter of 1990, was significantly higher than the values recorded for the previous or subsequent quarters.

Direct Radiation

The highest gross result reported was 34.6 mRem/qtr, with a background value of 28.4 mRem/qtr.

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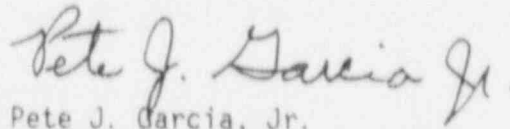
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Ground Water

Ground water results are reviewed separately by the staff to verify compliance with Criterion 5 of Appendix A to 10 CFR 40.

Conclusion

The staff concludes that ARCO has implemented an environmental monitoring program and submitted all data in accordance with license requirements. No areas of concern were noted during the staff review of the data provided, with the exception of the elevated radon reading. Future radon data will be reviewed to assure that the elevated value does not indicate an increasing trend. No further action is necessary at this time.

  
Pete J. Garcia, Jr.  
Project Manager

Case Closed: 04008902420E

bcc:

Docket File No. 40-8902

PDR/DCS

URFO r/f

ABBeach, RIV

LLO Branch, LLWM

PJGarcia

B. Garcia, RCPD, NM

E. Montoya, NM