



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION IV
URANIUM RECOVERY FIELD OFFICE
BOX 26326
DENVER, COLORADO 80226

MAY 10 1990

URFO:PJG
Docket No. 40-8903
04008903330E

MEMORANDUM FOR: Docket File No. 40-8903
FROM: Pete J. Garcia, Jr., Project Manager
SUBJECT: ENVIRONMENTAL MONITORING REPORT FOR THE MILAN MILL

By letter dated February 23, 1990, Homestake Mining Company submitted a semiannual environmental monitoring report for the Milan Mill. The report covers the period July through December 1989. The submittal was in accordance with Condition No. 15 of Source Material License SUA-1471.

Environmental monitoring requirements for the Milan Mill are specified in Condition No. 10 of SUA-1471. 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.

Stack Emissions

Data from the sampling of the yellowcake and ore crusher stacks was comparable with past data.

Air Particulate

All net results (gross value minus background) were less than 10 percent of MPC.

Radon

The highest net value was 1.8 pCi/l, or 60 percent of MPC, at Site HMC-5 for the fourth quarter of 1989.

Direct Radiation

The highest net value was 1.9 mRem/week at Site HMC-2.

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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.

Soil and Vegetation

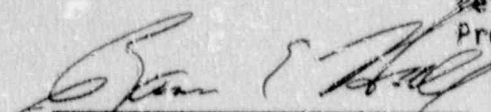
Vegetation sampling data were consistent with past results. Soil sampling data were also consistent with past results with two exceptions. The Ra-226 concentration at Site HMC-2 increased from 9.6 to 11.4 pCi/g, while the value at Site HMC-3 increased from 3.9 to 5.6 pCi/g. No other trends were evident.

Conclusion

The staff concludes that Homestake has implemented an environmental monitoring program and submitted the data in accordance with license requirements. No areas of concern were noted during the staff review of the data with the exception of the two Ra-226 soil concentrations discussed above. Homestake is required by Condition No. 19 of SUA-1471 to perform an extensive gamma survey and soil sampling program annually to verify that actions being taken to minimize blowing of tailings are effective and to determine the need for corrective actions such as cleanup of windblown contamination. The data from the program is required to be submitted to the NRC by October 1 of each year. A determination of the need for corrective actions will be based on the staff review of the submittal. No further action is therefore necessary at this time.

Pete J. Garcia Jr.

Pete J. Garcia, Jr.
Project Manager

Approved by: 

Ramon E. Hall
Director

Case Closed: 04008903330E

MAY 10 1990

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