



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

LPDR
40-8084

DEC 21 1980



MEMORANDUM FOR: Ross A. Scarano, Chief
Uranium Recovery Licensing Branch

THRU: John J. Linehan, Section Leader
Operating Facilities Section, I
Uranium Recovery Licensing Branch

FROM: Jeffrey L. Kotsch
Operating Facilities Section, I
Uranium Recovery Licensing Branch

SUBJECT: 40 CFR 190 COMPLIANCE MEETING WITH RIO ALGOM CORPORATION

Purpose

To discuss the 40 CFR 190 Order amending all licenses and Rio Algom's Amendment No. 4.

Place and Date

Willste Bldg., Silver Spring, MD; November 14, 1980

Attendees

NRC - J. Linehan
H. Miller
G. Eadie
J. Kotsch

Rio Algom - T. Reynolds

Discussion

The meeting began with J. Linehan briefly discussing Rio Algom's Amendment No. 4, which primarily concerned updating their environmental monitoring program (EMP). He stressed the fact that modifications to Rio Algom's existing EMP were necessary since the existing program did not meet NRC's existing requirements, as listed in Regulatory Guide 4.14. These modifications are necessary for the NRC to accurately assess the impact of ongoing operations and compliance with ALARA, 10 CFR 20, and the EPA standard of 25 mrem/yr (40 CFR 190).

C

8101290 080

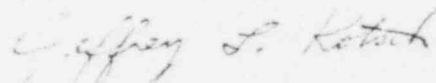
Next, H. Miller explained the 40 CFR 190 Order (outline attached) and its ramifications. Items discussed related to the Order included:

- Pending receipt of more comprehensive environmental monitoring data, no special short term studies or information are presently necessary.
- The requirement for acquiring meteorological data will be better defined at a later date.

Further discussion included the following:

- G. Eadie emphasized that soil sampling yields a measure of offsite accumulation of windblown tailings. He recommended that Rio Algom collect one soil sample immediately to be representative of pre-December, 1980 soil radionuclide concentrations and to which future soil samples can be compared.
- Tailings pond releases were highlighted as a large source term that can significantly contribute to the 25 mrem/yr limits if not properly controlled.

J. Kotsch and T. Reynolds then spent time discussing Amendment No. 4 and its attached environmental monitoring program in detail.



Jeffrey L. Kotsch
Operating Facilities Section, I
Uranium Recovery Licensing Branch
Division of Waste Management

ORDERS AMENDING LICENSES

- o ENVIRONMENTAL MONITORING PROGRAM
 - o ESTABLISH PROGRAM - WHERE NO APPROVED PROGRAM EXISTS
 - o MODIFY EXISTING PROGRAMS - MINOR CHANGES IN FEW CASES
 - o SPECIFY SCHEDULE FOR INSTALLATION - WHERE NOT NOW INSTALLED
 - o INVOKE QUALITY ASSURANCE REQUIREMENTS - R.G. 4.15

- o PERIODIC DOSE ASSESSMENTS
 - o COMMIT OPERATOR TO PERIODIC ASSESSMENT PROCEDURE
 - o REPORTING

- o SPECIAL INFORMATION NEEDS
 - o SHORT TERM STUDIES
 - o METEOROLOGY - FULL YEAR'S DATA WHERE NOT CURRENTLY AVAILABLE
 - o IDENTIFY AND CHARACTERIZE ALL SIGNIFICANT NEARBY EXTRANEIOUS SOURCES

- o SUPPLEMENT EXISTING DUST CONTROL REQUIREMENTS
 - o WRITTEN OPERATING PROCEDURES
 - o WEEKLY INSPECTIONS