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Docket 40-8084

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Docket No. 40-8084  
SUA-1119, Amendment No. 6



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Rio Algom Corporation  
ATTN: Mr. M. D. Lawton, President  
LaSal Route  
Moab, Utah 84532

Gentlemen:

Pursuant to Title 10, Code of Federal Regulations, Part 40, Source Material License No. SUA-1119 is hereby amended by deleting Condition No. 18 and revising Condition No. 36 to read as follows:

36. The licensee shall implement the environmental monitoring program presented in the "Operational Effluent and Environmental Monitoring Plan" and the "Quality Control Program" attached to a letter from M. Lawton, Rio Algom Corporation, to R. Scarano, U.S. NRC, dated December 12, 1980, with the following modifications:

- (a) Radon sampling shall be performed using passive TLD radon monitors.
- (b) Groundwater monitoring wells shall be sampled by pumping. These wells shall be pumped until the specific conductivity of the water has stabilized. This will remove the stagnant water from inside the casing and allow the collection of a sample representative of the groundwater quality in the aquifer.
- (c) The lower limits of detection (LLDs) for analysis of samples collected in this environmental monitoring program shall meet the LLDs listed in Regulatory Guide 4.14, "Radiological Effluent and Environmental Monitoring at Uranium Mills". If the licensee wishes to use other LLDs, such LLDs shall be submitted to the U.S. Nuclear Regulatory Commission, Uranium Recovery Licensing Branch, Washington, D.C. 20555, by July 1, 1981, for NRC review and approval prior to implementation.

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The results of this monitoring program shall be reported semiannually in accordance with the requirements of 10 CFR Part 40.65 and in the format specified in Condition No. 37 with copies of the report sent directly to the U.S. Nuclear Regulatory Commission, Uranium Recovery Licensing Branch, Washington, D.C. 20555, and the U.S. Nuclear Regulatory Commission, Region IV, Office of Inspection and Enforcement, 611 Ryan Plaza Drive, Suite 1000, Arlington, Texas 76011.

In addition, the licensee shall conduct semiannual surveys of land use (private residences, grazing areas, private and public potable water and agricultural wells, milk cattle, and non-residential structures and uses) in the area within five miles (8 km) of any portion of the restricted area boundary and submit a report of this survey to the U.S. Nuclear Regulatory Commission, Uranium Recovery Licensing Branch, Washington, D.C. 20555. This report shall indicate any differences in land use from that described in previous reports. The report shall be submitted by March 1 and September 1, of each year beginning with September 1, 1981.

All other conditions of this license shall remain the same.

The above condition was discussed in a June 3, 1981, telephone conversation between your Mr. Pattison and Mr. Kotsch of my staff.

The effect of this amendment is to modify your effluent and environmental monitoring program. The existing monitoring program, required by Condition No. 18, is deleted since this program does not meet our existing requirements, as outlined in Regulatory Guide 4.14. Condition No. 36, which requires an upgraded monitoring program and semiannual land use surveys, will allow us to more accurately assess the impacts of your ongoing operations and compliance with ALARA, 10 CFR Part 20, and the EPA standard of 25 mrem/yr (40 CFR Part 190).

FOR THE NUCLEAR REGULATORY COMMISSION

Original Signed by:  
R. A. Scarano

Ross A. Scarano, Chief  
Uranium Recovery Licensing Branch  
Division of Waste Management

6/4/81 -- MAG II

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DATE	6/4/81	6/4/81	6/4/81	6/9/81		