

APPENDIX A

NOTICE OF VIOLATION

Rio Algom Corporation

Docket: 40-8084  
License: SUA-1119

As a result of the inspection conducted on December 14-16, 1982, and in accordance with the NRC Enforcement Policy (10 CFR Part 2, Appendix C), 47 FR 9987 (March 9, 1982), the following violations were identified:

1. 10 CFR 20.104(b) requires, in part, that no licensee shall possess, use, or transfer licensed material in such a manner as to cause any individual within a restricted area, who is under 18 years of age, to be exposed to airborne radioactive material possessed by the licensee in an average concentration in excess of the limits specified in Appendix B, Table II. For purposes of this paragraph, concentrations may be averaged over periods not greater than a week.

Contrary to this requirement, individual A (birthdate 6/16/64) was exposed during the week of June 7-11, 1982, to average concentrations of soluble uranium and natural uranium in ore dust of  $7.0 \times 10^{-12}$  uCi/ml and  $2.2 \times 10^{-12}$  uCi/ml, respectively. Individual B (birthdate 3/31/65) was exposed during the week of August 10-13, 1982, to levels of natural uranium in ore dust of  $2.3 \times 10^{-12}$  uCi/ml. These values exceed the Appendix B, Table II maximum permissible concentrations of:

Soluble uranium	$5.0 \times 10^{-12}$ uCi/ml
Natural uranium in ore dust	$2.0 \times 10^{-12}$ uCi/ml

This is a Severity Level IV violation (Supplement IV).

2. 10 CFR 20.405(a)(2) requires, in part, that each licensee shall make a report in writing within 30 days to the NRC of each exposure of an individual to radioactive material in excess of the applicable limits in 10 CFR 20.104(b).

Contrary to this requirement, no reports were made to the NRC of the exposures during the weeks of June 7-11, 1982, and August 10-13, 1982, of two individuals to radioactive material in excess of 10 CFR 20.104(b) limits.

This is a Severity Level V violation (Supplement IV).

3. 10 CFR 20.409(b) requires, in part, that when a licensee is required pursuant to 10 CFR 20.405 to report to the Commission any exposure of an individual to radioactive material, the licensee shall also notify the individual.

Contrary to this requirement, no reports were made to the two individuals whose exposures during the weeks of June 7-11, 1982, and August 10-13, 1982, required reports to the Commission pursuant to 10 CFR 20.405.

This is a Severity Level V violation (Supplement IV).

Pursuant to the provisions of 10 CFR 2.201, Rio Algom Corporation is hereby required to submit to this office, within 30 days of the date of this Notice, a written statement or explanation in reply, including:

- (1) the corrective steps which have been taken and the results achieved;
- (2) the corrective steps which will be taken to avoid further violations; and
- (3) the date when full compliance will be achieved.

Consideration may be given to extending your response time for good cause shown.

Dated           FEB 02 1983