

Please Return 461-SS

Docket No. 40-8084
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PDR
IE Region IV
YYoung
GGEadie
RWoolsey
HPettengill
BFisher
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RScarano
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JBMartin

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WMUR:YY:SB
Docket No. 40-8084

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

Gentlemen:

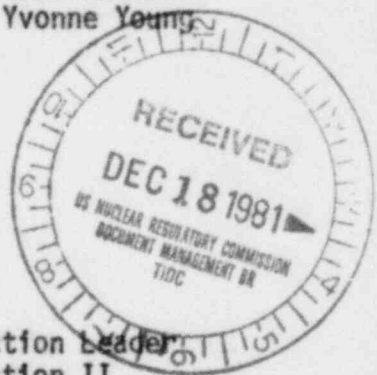
The staff has reviewed the lower limits of detection (LLDs) for radionuclides provided on September 29, 1981, in your response to requirements contained in License Condition No. 36(C) of Source Material License No. SUA-1119. These LLDs are acceptable and would reasonably enable proper determination of compliance with 10 CFR Part 20.

Currently, the radiochemical calculational technique for determining the LLD for fluorometry is not applicable. However, you should provide the lowest concentration of uranium which is determinable using fluorometry based on your previous analytical experiences.

The staff has no objections to reviewing forthcoming information respective to alternative LLDs for in-house vegetation analysis, or alternative method for stack sampling. Additionally, the staff will review ALARA, INC.'s Quality Assurance Program (QAP) for radon-222 analysis as soon as it is made available to us.

Your response to License Condition No. 36(C) and the conclusions described above were discussed during a November 18, 1981 telephone conversation between your Mr. Byron Hardy and Mr. Roger Woolsey and Ms. Yvonne Young of my staff.

Sincerely,



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Harry J. Pettengill, Section Leader
Operating Facilities Section II
Uranium Recovery Licensing Branch
Division of Waste Management

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