

DLR:DFH
40-3453

FEB 14 1963

Atlas Minerals
Division of Atlas Corporation
P. O. Box 483
Moab, Utah

Attention: Mr. R. F. Hollis
Vice President

Gentlemen:

This refers to your letter dated December 6, 1962, in which you requested clarification on certain items of the November 23, 1962 amendment to Source Material License No. R-161.

Listed below in corresponding order are our comments on the questions raised in your letter.

1. The purpose of Condition 1 of the subject amendment was to provide an average annual radioactivity concentration limit at a specified effluent discharge rate. To provide flexibility within your program, it was intended that the limit could be adjusted inversely proportional to the specified flow rate provided that the limit did not exceed a certain maximum concentration during any period. Since the condition as presently stated does not appear to clearly reflect this intent, we believe Condition 1 of the November 23, 1962 amendment should be modified to read as follows:

"The sum of the ratios of radium-226, thorium-230, and natural uranium concentrations in the effluent to their respective concentration limit specified in Appendix B, Table II, Column 2, 10 CFR 20, shall not:

- A. Exceed
$$\left[\frac{7500}{\text{effluent flow rate in gallons per minute}} \right]$$
 averaged over a one year period.
- B. Exceed 25 at any one time."

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This condition is based on data presented in your letters dated November 28, 1960 and October 11, 1962. Please inform us within thirty (30) days from the date of this letter whether or not you agree to having this modification made in your license. If the condition or limits are not satisfactory, you should submit an application for amendment, providing supporting data or additional information.

2. To be in compliance with Condition 2 of the subject amendment, it will be necessary that your continuous sampler be operated in such a manner that the sample collected is proportional to the effluent flow rate. Your procedures for compositing daily proportional aliquots appear satisfactory however.
3. The Colorado River flowrate as determined at Cisco, Utah, is acceptable as complying with Condition 4 of the subject amendment.

In addition, we note that the authorization required you to conduct your activities in accordance with the procedures described in your application dated November 29, 1960, as supplemented October 17, 1962. The date October 17, 1962, is hereby corrected to read October 11, 1962.

Sincerely yours,

(Signed) Acting
Eber R. Price, Assistant Director
Division of Licensing and Regulation

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