

DLR:DFH
40-6659

JAN 14 1963

Petrotonics Company
P. O. Drawer 2453
Casper, Wyoming

Attention: Mr. D. S. Hutchinson
Radiologist

Gentlemen:

Thank you for your letter dated December 18, 1962, which furnished results of surveys as required by Condition No. 12 of AEC Source Material License No. SUA-551.

With regard to your job exposure evaluation of the packaging operator, we note that this operator spends a portion of his time in the bucking room which would have a different Part 20 limit than the other areas in which he works if ore is involved in the bucking room operations (see item 3 of our letter dated August 15, 1962). Therefore, when this operator's average exposure is compared to the single MPC limit specified on your job exposure sheet an erroneous conclusion may be obtained with regard to compliance with Part 20.

One proper method for comparing average employee exposures, on a percentage basis, to the limits in 10 CFR 20 where different limits are applicable is to compute the percent exposure for each different limit involved. The sum of these percentages must not exceed one hundred percent (100%) to achieve compliance with 10 CFR 20. These calculations can of course be adjusted in accordance with the November 9, 1962, amendment to your license.

We also note that you have not included the liquid survey results

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from the test holes below your tailings system in your report.
Please submit these results at your earliest convenience.

Very truly yours,

Donald A. Nussbaumer, Chief
Source & Special Nuclear Materials Branch
Division of Licensing and Regulation

Distribution:

Doc. Rm.

Formal

Suppl.

Compliance

D. F. Harmon, LR

Br. and Div. rfs

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