

DLP:DFH
Docket No. 40-6659

Distribution:
Compl.
Doc. Room
Formal
Suppl.
L&R reading
S&SNM reading
D. F. Harmon

SEP 24 1962

Petrotechnics Company
P. O. Box 184
Casper, Wyoming

Attention: Mr. C. K. Coates
Mill Superintendent

Gentlemen:

Reference is made to your letters dated August 24 & September 14, 1962.

We note in your letter of September 14, 1962, that you are now using the insoluble MPC for natural uranium of 6×10^{-11} microcuries per milliliter as suggested in our letter of August 15, 1962. The reason for requiring the use of this MPC is due to the uncertainty of the solubility in body fluids of the airborne uranium produced during your operations. In addition, by using the insoluble MPC you will also be within the soluble MPC of 7×10^{-11} microcuries per milliliter.

In Item 4 of your letter of August 24, 1962, you state that you believe breathing zone samples in the packaging and drying areas are impractical because of the short (3 to 4 minutes) periods of human occupancy. It appears that you are referring to short periods of human occupancy for particular operations in the packaging and drying rooms since the job exposure sheet submitted in your letter of July 12, 1962, shows that the packaging operator spends 420 minutes (your letter of September 14, 1962 gives 520 minutes which appears to be an error) per shift in these rooms. The sheet also shows that the airborne concentrations in these rooms exceed the limits in Part 20 even though your time weighted exposure calculations for this operator were less than Part 20 limits. In view of this, it appears that a representative breathing zone sample for this operator during all activities in these rooms would be necessary to insure that the operator's exposure is within the limits of 10 CFR 20. As we informed you in our letter of August 15, 1962, your license requires that you conduct these surveys.

Very truly yours,

8507290631 850530
PDR FOIA
BURR85-229 PDR

Donald A. Nussbaumer, Chief
Source and Special Nuclear Materials Branch

OFFICE ▶	DL&R	DL&R	Division of Licensing and Regulation		
SURNAME ▶	DEHarmon:bar	DANussbaumer			
DATE ▶	9/21/62	9/21/62			

DLR:DFH
40-6659

Petrochemical Company
P. O. Box 184
Casper, Wyoming

Attention: Mr. G. K. Coates
Mill Superintendent

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In Item 4 of your letter of August 24, 1962, you state that you believe breathing zone samples in the packaging and drying areas are impractical because of the short (3 to 4 minutes) periods of human occupancy. It appears that you are referring to short periods of human occupancy for particular operations in the packaging and drying rooms since the job exposure sheet submitted in your letter of July 12, 1962, shows that the packaging operator spends 420 minutes (Your letter of September 14, 1962, gives 520 minutes which appears to be an error) per shift in these rooms. The sheet also shows that the airborne concentrations in these rooms exceed the limits in Part 20 even though your time weighted exposure calculations for this operator were less than Part 20 limits. In view of this it appears that a representative breathing zone sample for this operator during all activities in these rooms would be necessary to insure that the operator's exposure is within the limits of 10 CFR 20. As we informed you in our letter of August 15, 1962, your license requires that you conduct these surveys.

Sincerely yours,

changed for DAN:G...

OFFICE	IR	IR	Director	IR	IR
SURNAME	DFH	DP	Division of Licensing and Regulation	Johnson	Lowenstein
DATE	9/18/62	9/14/62		9/19/62	9/1/62