

# American Potash & Chemical Corporation

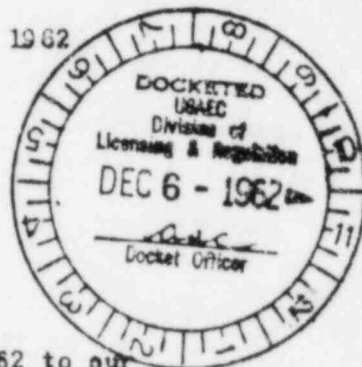


258 ANN STREET • WEST CHICAGO, ILLINOIS

December 4, 1962

United States Atomic Energy Commission  
Washington 25, D.C.

Attention: Mr. Eber R. Price, Assistant Director  
Division of Licensing and Regulation



Dear Sir:

This letter is in answer to your LR:WH 40-2061 of November 29, 1962 to our Mr. B. J. Bennett.

1. The steps we have taken to avoid future excess radiation of employees includes a) shielding of certain tanks with sheets of lead, and b) rotation of employees to jobs involving less exposure.
2. As you note in your letter, we have applied for levels of radiation in the unrestricted area in question in excess of limits specified in 10CFR20.105(b). We are quite confident that the AEC will find it highly unlikely that any person will be exposed to excessive radiation in this area.
3. A procedure has been established in which no more than 4 drums of thorium nitrate are permitted to accumulate in the working area. A schedule of air sampling was included in our request of April 9, 1962 for license renewal. This schedule includes 4 samples taken every other week at the monazite ore roasting operation. The precise location of the sampling stations is indicated in a drawing which accompanied the application.

The application for license also included a schedule for air sampling of unrestricted areas. Samples are taken once per week, one at the Plant site, one 1/2 mile west of the Plant, and one 1/2 mile east of the Plant. Once per month 6 air samples are taken for alpha counts on the roofs of the building, including one close to each dust collector. Four times per year 6 air samples are taken for alpha counting around the periphery of the fenced-in area.

The counting schedule described was instituted approximately the same time the license was applied for. Shielding and rotation have taken place at various dates but are now in effect. With the exception of the case of excess radiation in the unrestricted area which is still pending we believe that we have been in compliance with all the regulations since the second quarter of 1962.

Very truly yours,

AMERICAN POTASH & CHEMICAL CORPORATION

*E. H. Healy*  
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Radiation Safety Officer



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