



DML:OPH  
40-17

UNITED STATES  
ATOMIC ENERGY COMMISSION

WASHINGTON, D.C. 20545

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Docket file  
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CO, Region III  
M. A. Dean, DML

APR 13 1970

The Dow Chemical Company  
Midland, Michigan 48640

Attention: Mr. W. Otis Heath  
Corporate Statistician

Gentlemen:

This refers to your application of March 20, 1970, for amendment of AEC Source Material License No. STB-527.

In support of your application, please provide the following information:

1. A description of the product to be manufactured using thorium as a catalyst, including the assays to be performed to determine that radioactive materials are not carried over into the product.
2. A description of the catalyst regeneration process mentioned in the application, including the process and ventilation equipment associated therewith.
3. A description of the ventilation equipment to be utilized during operations involving the transfer of materials containing thorium, including minimum velocities maintained at hood openings.
4. A description of the minimum survey program to be conducted during operations which may produce airborne radioactive materials.

We note in the application that reference is made to the use of respirators and protective clothing. Please note that an allowance may not be made for the use of such equipment in determining employee exposures unless authorized by the Commission pursuant to Section 20.103 of the enclosed 10 CFR 20.

Sincerely,

Original signed by  
Don F. Harmon

Don F. Harmon  
Source and Special Nuclear  
Materials Branch  
Division of Materials Licensing

Enclosure:  
As stated

APR 17 1970

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