

FEB 19 1982

FCMLB:JEG
030-19376
(00329)

Travelers Insurance Companies
ATTN: Ronald E. McCullen
Assistant Director
1 Tower Square
248 CP., Engineering Lab
Hartford, Connecticut 06115

Gentlemen:

This is in reference to your application dated December 1, 1981, for a byproduct material license. In order to continue our review, we need the following additional information:

1. In your cover letter you have requested that your mailing address be changed to your laboratory. However, Item 4 of your application shows the mailing address as 1 Tower Square. Please confirm that NRC correspondence should be addressed to:

Travelers Insurance Companies
248 CP., Engineering Lab
Hartford, Connecticut 06115

2. Please confirm that use of the cobalt 60 source will be by, or under the supervision of and in the physical presence of, Ronald E. McCullen or provide information on the training and experience of any additional individuals who will independently use byproduct material.
3. Since you will perform and evaluate your own leak tests for contamination, please submit your instrument calibration procedures for converting instrument readings to units of activity, including:
 - a. The isotope, activity, and accuracy of the standard source you will use. Each source should be of the same isotope as the source being tested (cobalt 60), of low activity (1 microcurie or less), accurate to within #5% of the stated value when corrected for decay, and traceable to a primary standard such as that maintained by the National Bureau of standards.
 - b. A sample calculation showing the method used to convert instrument readings (e.g., counts-per-minute, mR/hr) to units of activity (microcuries).

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- c. Confirmation that the Victoreen Model Thyac III is sufficiently sensitive to detect 0.005 microcuries of cobalt 60 on a wipe.
4. Please confirm that Ronald E. McCullen has sole control over the key limiting access to the cobalt 60 source or submit a description of instruction and monitoring provided to other individuals with access to the source.

We will continue our review of your application upon receipt of this information. Please reply in duplicate and refer to Control No. 00329.

Sincerely, Original Signed By
John E. Glenn, Ph.D.

John E. Glenn, Ph.D.
Material Licensing Branch
Division of Fuel Cycle and
Material Safety

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