

October 6, 1984

ADE Technology Corporation
Attn: Mr. Ed Volakov
7391 W. Wilson Ave.
Harwood Heights, Illinois 60656

Gentlemen:

This is in reference to your letter, dated July 6, 1984, to amend Byproduct Material License No. 12-19537-01. In order to continue our review, we need the following additional information:

1. Your facility diagram did not illustrate the areas of tritium use and storage. Please resubmit this item clearly denoting these areas.
2. State whether or not any fraction of the air exhausted from the tritium use and storage areas is recirculated to other areas of the building. If so, you must make some evaluation to determine that the maximum permissible air concentrations for an unrestricted area are not exceeded in the event of a one curie vial of tritium being broken.
3. Please submit a modified facility diagram that shows the location and the measured airflow rate of each air exhaust vent and each air supply vent in the areas where tritium is used or stored. This information is necessary so that we may determine that use and storage areas are under negative pressure.
4. Describe the type and frequency of periodic measurements that you will make to determine that the ventilation system(s) in tritium use and storage areas continue to operate according to the specifications that you have submitted. Your frequency schedule should not exceed 6 month intervals.
5. You need to submit some basic procedures for the safe transportation of these tritium sources. These procedures should be sufficiently detailed to:
 - a. describe where the sources should be stowed in the vehicle (preferably away from the passenger compartment).
 - b. describe how to insure the security of the sources in the event the vehicle must be left unattended

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c. describe what actions to take and whom to call in the event of an emergency

We will continue our review of your application upon receipt of this information. Please reply in duplicate and refer to Control No. 77416.

Sincerely,

William J. Adam, Ph.D.
Material Licensing Section