JUL 27 1964

ML:IB:RJD (60335)

Melpar Incorporated
Arlington Boulevard
Falls Church, Virginia

Attention: Dr. P. E. Ritt, Vice President-Research

Gentlemen:

In support of your application dated June 2, 1964, for a by-product material license, please submit the following information:

1. A copy of the written instructions for operating the irradiator which will be made available to each operator.

2. Drawings or sketches specifying the modifications made in the standard GES-I-RAD 1000 unit. Major modifications should be denoted by a change in the model number of the unit.

3. Radiation survey readings or calculations of the maximum and average radiation levels expected at six inches from the surface of the irradiator, and in and around the loading port entrance to the sample chamber with the irradiator loaded with 2000 curies of Cesium 137. The manner in which "average" radiation levels were determined should be specified.

The above information may be supplied by American Nuclear Corporation.

Sincerely yours,

Daniel B. Howell
Isotopes Branch
Division of Materials
Licensing

bcc: Compliance Region II

cc: Mr. Jim Wilde
American Nuclear Corporation

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