

Booklet No. 70-133
L&R:CPM

DEC 5 1958

Clevite Research Center
Division of Clevite Corporation
540 East 105th Street
Cleveland 8, Ohio

Attention: Mr. D. J. Berger
Executive Assistant
Mechanical Research Division

Gentlemen:

This refers to your letter of November 14, 1958 in which you requested an amendment to your special nuclear material license to authorize revised shipping procedures.

Before we may continue our review of your application you should submit the calculations by which you have determined that the fissionable material would not become critical:

1. If the shipping containers were arranged in an optimum critical array;
2. If the elements were assembled in a more compact arrangement (this should include the H/U ratio you have assumed for these calculations); and
3. If the shipment were flooded.

You should also submit calculations determining the concentration required to achieve criticality under conditions of total flooding. If you have assumed other than an optimum H/U ratio in making any of the above calculations you should also submit a description of the packing material you will use inside the shipping boxes.

The above information should be submitted in quadruplicate.

BCC: Formal Docket
Suppl. Docket
Document Room
M. M. Mann, INS

Very truly yours,

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OFFICE ▶	L&R	L&R	W. W. Deashey
SURNAME ▶	McCallum/ead	<i>Deashey</i>	Chief, Nuclear Materials Section Licensing Branch Division of Licensing & Regulation
DATE ▶	12-5-58	<i>12/5</i>	