



FCTC:RHO
71-6375

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

JIL

APR 02 1980

Chem-Nuclear Systems, Inc.
ATTN: Mr. Louis E. Reynolds
P.O. Box 1866
Bellevue, WA 98009

Gentlemen:

This refers to your consolidated application dated November 26, 1979, requesting renewal of Certificate of Compliance No. 6375 for the Model No. CNS 4-45 (PB-1) shipping package.

In connection with our review, please provide the information identified in the enclosure to this letter.

Please provide, within sixty (60) days from the date of this letter, the information requested above. The additional information requested by this letter should be submitted in the form of revised pages to the consolidated Safety Analysis Report in order to preserve the continuity of your application. If you have any questions regarding this matter, we will be pleased to meet with you and your staff.

Sincerely,

A handwritten signature in cursive script that reads "R H Olegarden".

for Charles E. MacDonald, Chief
Transportation Certification Branch
Division of Fuel Cycle and
Material Safety

Enclosure: As stated

cc w/encl: General Atomic Company
ATTN: Mr. William R. Mowry
P.O. Box 81608
San Diego, CA 92138

800421048

Model No. 4-45 Packaging
USA/6375/B()F

Encl to ltr dtd: APR 02 1980

1. Show that the containment vessel, and its closure system, are adequate to meet the containment requirements of 10 CFR 71 under one-foot drop test conditions. Consider end, side, corner, and oblique impact orientations.
2. Show that the containment vessel, and its closure system, are adequate to meet the containment requirements of 10 CFR 71 under 30-foot drop test conditions. Consider end, side, corner, and oblique impact orientations. Show that the trunnions adequately protect the penetration closures.
3. Evaluate the adequacy of the containment vessel closure system under 40-inch puncture test conditions considering the 6-inch diameter pin to contact the end region of the package with the package oriented in an end or corner drop position.
4. Revise the drawings to indicate the materials of construction used for the outer shell and the containment vessel and its closure system.
5. Show that the containment vessel closure system is adequately resistant to brittle failure under the 30-foot drop test and the puncture test with cold ambient temperature conditions (-20°F).