71-6088

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FCTC:WHL
71-6088

U.S. Department of Energy
ATTN: Mr. Reuben P. Prichard
MS-E-201
Washington, DC 20545

Gentlemen:

This refers to your letter dated August 24, 1981 requesting our review of the Model No. ORNL Garden Carrier No. 2 package.

In connection with our review of this package, we need the information identified in the enclosure to this letter.

Please advise us within thirty (30) days from the date of this letter when this information will be provided.

Sincerely,

Original Signed by
R. H. Odegarden

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

Enclosure: As stated

cc w/encl:
DOE, Oak Ridge Operations Office
ATTN: Mr. William M. Travis
P.O. Box E
Oak Ridge, TN 37830

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SURNAME	WHLake:alm	DTHuang	CRMarotta	CEMacDonald			
DATE	07/27/82	07/27/82	07/28/82	07/28/82			

NRC FORM 318 (10-80) NRCM 0240

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Request for Additional Information
Model No. ORNL Garden Carrier No. 2
Docket No. 71-6088

JUL 28 1982

Encl to ltr dtd: _____

STRUCTURAL

Provide analysis of the containment system for normal and hypothetical accident conditions. The effect of these conditions on the containment system must be determined to evaluate the containment system performance.

CONTAINMENT

1. Establish containment criteria for normal form material for the package containment system. The criteria should be based on type and form of material; it should be determined for normal and hypothetical accident conditions. Regulatory Guide 7.4 may be used to establish containment criteria.

2. Identify the specific containment systems that will provide containment for normal form material. Each of the normal form containment system designs must satisfy the established containment criteria for normal and hypothetical accident conditions. Containers that meet special form requirements are considered non-dispersible under the normal and hypothetical accident conditions; therefore, satisfying special form requirements satisfies containment. Containers for plutonium exceeding 20 Ci must meet the requirements of 10 CFR §71.42.

TESTING AND MAINTENANCE

Show that the sensitivities and testing schedules for normal form materials are adequate for safe use of the packages. Regulatory Guide 7.4 may be used for periodic testing. For assembly verification it is recommended that a test of sufficient sensitivity to limit the maximum release to a type A quantity in 10 days be used; however, a leak test sensitivity greater than 1×10^{-3} at-cm^3/sec, would not be required. The minimum sensitivity of 1×10^{-1} atm-cm^3/sec (air at 1 atm and 25°C leaking to a 10^{-2} atm ambient) as specified in ANSI N14.5 should be met.

OFFICE ▶							
SURNAME ▶							
DATE ▶							

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