

71-9166

SEP 24 1982

Return to
A Machlin
396-55

FCTC:RHO
71-9166

Technical Operations, Inc.
ATTN: Mr. John J. Munro, III
40 North Avenue
Burlington, MA 01803

Gentlemen:

This refers to your application dated July 15, 1982 requesting approval of the Model No. 864 packaging.

In connection with our review, 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. The additional information requested by this letter should be submitted in the form of revised pages. If you have any questions regarding this matter, we would be pleased to meet with you and your staff.

Sincerely,

Original Signed by
CHARLES E. MACDONALD

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

Enclosure: As stated
Distribution: w/encl

RHOdegaarden
DTHuang
EPEaston
CRMarotta
Docket File ✓
NRC PDR
IE HQ
Region I
NMSS R/F
FCTCR/F

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PDR ADDCK 07109166
C PDR

OFFICE	FCTC RHO	FCTC	CRMECTC	FCTC	FCTC
SURNAME	RHOdegaarden	EPEaston	CRMarotta	DTHuang	CEMacDonald
DATE	09/17/82	09/16/82	09/16/82	09/17/82	09/21/82

Technical Operations, Inc.
Model No. 864 Packaging
Docket No. 71-9166

Encl to ltr dtd: SEP 24 1982

DRAWINGS

1. Revise the packaging drawings to show the location and size of the vent holes provided for the escaping gases generated by the decomposition of the polyurethane foam. This should include the outer packaging. During normal conditions of transport, these vent holes should be covered to preclude entry of rain water. The cover should be provided with a seal to preclude entry of rain water.

2. Specify the following dimensions and locations:
 - a. Lengths of all screw fasteners.
 - b. Length of cover support posts and size and depth of threads.
 - c. Locations of base and deck plates.
 - d. Diameter and depth of recesses in base and deck plates.
 - e. Tolerances on diameters and length of individual components on Drawing No. 86491.
 - f. Dimension Drawing No. 86490, Sheets 4 and 5.
 - g. Dimension safety pin compression springs.

3. Specify torquing of closure bolts of shipping cover.

STRUCTURAL

Demonstrate the handle meets the tie-down requirements of 10 CFR §71.31(d).

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SURNAME ▶							
DATE ▶							

OPERATING PROCEDURES AND ACCEPTANCE TESTS AND MAINTENANCE PROGRAM

1. Revise Section 7 to take into account the requirements of 10 CFR §20.205 concerning receipt of packages.
2. Operating Procedures should take into account proper torquing of package closure.
3. Sections 7 and 8 should be revised to reflect more realistic dose rates near the top of the packaging. Based on Table 5.i, p 5-1 of the application, an increased dose rate long before it reached the maximum permissible DOT radiation levels would indicate a problem with the package. Special attention should be given to the initial gamma-ray radiation survey of the packaging's shielding capability.
4. Revise Sections 7 and 8 to take into account the contents specified including the specified source assembly shown on Drawing No. 86491, Rev. -.
5. The requirement of Section 8.2.3 should be included in Section 7.

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DATE ▶							