

JAN 28 1991

SSTB:GHG
71-6678

Department of Energy
ATTN: Mr. Jacques Read
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Washington, DC 20545

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Dear Mr. Read:

As requested by your application dated October 30, 1990, as supplemented November 8, 1990, and January 11, 1991, and pursuant to 10 CFR Part 71, Certificate of Compliance No. 6678, Revision No. 5, for the Model No. LP-50 package is amended to authorize maintenance procedures as follows:

For the ten (10) containers identified in the application dated October 30, 1990, the pressure and leak tests specified in paragraphs 7.1.2, 7.2.1 and 7.2.2 of Section 7.0, Acceptance Tests and Maintenance Program, of DuPont Report No. DPSUP-74-124-5, May 1975, Rev. 2, 4/88, may be performed within a twenty two (22) month period prior to shipment. Before shipment, the containers must be checked in accordance with the procedures described in paragraph No. 5, of the January 11, 1991, supplement.

All other conditions of Certificate of Compliance No. 6678, Revision No. 5 for the Model No. LP-50 package shall remain the same.

This authorization shall expire March 31, 1991.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Original Signed by

Charles E. MacDonald, Chief
Transportation Branch
Division of Safeguards
and Transportation, NMSS

Enclosure:
1. Approval Record

cc w/encl:
Department of Transportation

OFC: SGTB	:SGTB	:SGTB	:SGTB	:SGTB
NAME:GGardes:lj	:NOsgood	:ERZiegler	:RChappell	:CMacDonald
DATE: 1/23/91	: 1/22/91	: 01/23/91	: 1/23/91	: 1/27/91:

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

APPROVAL RECORD
Model No. LP-50
Certificate of Compliance No. 6678

By application dated October 30, 1990, as supplemented November 8, 1990 and January 11, 1991, the Department of Energy (DOE), requested an amendment to Certificate of Compliance No. 6678 to permit a one time shipment of ten (10) LP-50 packagings. The containers had been loaded with tritium gas for periods between 18 months and 21 months prior to shipment. The acceptance and maintenance procedures in Chapter 7 of the SAR specified that pressure and leak tests be performed at 12 month intervals or before every fourth usage. The application requested that the 12 month interval be extended to 21 months. The application also specified an alternate leak test that would be performed prior to shipment of these ten (10) containers.

Paragraph No. 5 of the January 11, 1991, supplement describes the alternate leak test which would be performed prior to shipment. An interspace check would be made by evacuation of the space between the product container and the aluminum liner followed by a check for contamination to show that the valve leak rate is below the specified level and no permeation is taking place through the container.

The applicant evaluated the pressure that would be present in the containers at the time of shipment. The application showed that the pressure would be significantly less than the maximum normal operating pressure.

Based on the applicant's and staff's analyses, the staff concludes that the changes do not affect the ability of the package to meet the requirements of 10 CFR Part 71.

Charles E. MacDonald
Charles E. MacDonald, Chief
Transportation Branch
Division of Safeguards
and Transportation, NMSS

Date: JAN 28 1991