

CERTIFICATE OF COMPLIANCE
For Radioactive Materials Packages

1a. Certificate Number 9508	1b. Revision No. Original	1c. Package Identification No. USA/9508/BLF(DOE-AL)	1d. Page No. 1	1e. Total No. Pages 1
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2. PREAMBLE

- 2a. This certificate is issued to satisfy Sections 173.393a, 173.394, 173.395, and 173.396 of the Department of Transportation Hazardous Materials Regulations (49 CFR 170-129 and 14 CFR 103) and Sections 146-19-10a and 146-19-100 of the Department of Transportation Dangerous Cargues Regulations (46 CFR 146-149), as amended.
- 2b. The packaging and contents described in item 5 below, meets the safety standards set forth in Subpart C of Title 10, Code of Federal Regulations, Part 71, "Packaging of Radioactive Material for Transport and Transportation of Radioactive Material Under Certain Conditions."
- 2c. This certificate does not relieve the consignor from compliance with any requirement of the regulations of the U.S. Department of Transportation or other applicable regulatory agencies, including the government of any country through or into which the package will be transported.

3. This certificate is issued on the basis of a safety analysis report of the package design or application—

(1) Prepared by (Name and address):

Los Alamos Scientific Laboratory
P. O. Box 990
Los Alamos, New Mexico 87544
D. R. Smith, C. C. Byers,
W. K. Brown

(2) Title and Identification of report or application:

LA-UR-79-1390
Use of the Department of Transportation
Specification 6M Container for Shipping
Polystyrene-Plutonium Compacts

(3) Date:

4/23/79

4. CONDITIONS

This certificate is conditional upon the fulfilling of the requirements of Subpart D of 10 CFR 71, as applicable, and the conditions specified in item 5 below.

5. Description of Packaging and Authorized Contents, Model Number, Fissile Class, Other Conditions, and References:

- (a) Package - DOT Spec. 6M - 15 to 110 gallon capacity
- (b) Authorized Contents - Pu-239 with moderation ratios and in the quantities listed below.

<u>hydrogen/Plutonium Ratio</u>	<u>Maximum Quantity Pu-239, grams</u>
20	2900
40	1750
67	1200
200	525
250	450
300	400
350	370
400	340
450	320
500	300

- (c) Other - 1. For any moderation ratio a loading of 250 grams of Pu-239 will meet Fissile Class I criteria.
2. Above listed Loadings also meet Fissile Class I criteria.

6a. Date of Issuance: June 1, 1979

6b. Expiration Date: Indefinite

FOR THE U. S. DOE

7a. Address (of DOE Issuing Office)
Albuquerque Operations Office
P. O. Box 5400
Albuquerque, N. Mexico 87115

7b. Signature, Name, and Title (of DOE Approving Official)

Jack R. Roeder
Jack R. Roeder, Director
Operational Safety Division

17083

LASL TECHNICAL INFORMATION RELEASE FORM

LA-UR 79-1390

AUTHOR

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 - 4.

TITLE (In Caps) USE OF THE DEPARTMENT OF TRANSPORTATION SPECIFICATION 6M CONTAINER FOR SHIPPING POLYSTYRENE-PLUTONIUM COMPACTS

INTENDED FOR (Check as appropriate)

PUBLICATION ABSTRACT TALK

JOURNAL MEETING BOOK

PARTICULARS: Considerations involving the use of Specification 6M containers for shipping polystyrene-plutonium compacts as formal submission through SP-Department to Division of Operational Safety, ALO.

DEADLINE _____ GROUP OFFICE PHONE AND MAIL STOP 667-4789 MS-560

David R. Smith Cleo Byers W. K. Brown 5-23-79
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Category Dcl. Uncl.
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PAT Patent Interest Yes No

Docket No. Date
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COMMENTS _____

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