

**CERTIFICATE OF COMPLIANCE  
FOR RADIOACTIVE MATERIAL PACKAGES**

1. a. CERTIFICATE NUMBER	b. REVISION NUMBER	c. DOCKET NUMBER	d. PACKAGE IDENTIFICATION NUMBER	PAGE	PAGES
5984	7	71-5984	USA/5984/B( )	1	OF 2

## 2. PREAMBLE

- a. This certificate is issued to certify that the package (packaging and contents) described in Item 5 below meets the applicable safety standards set forth in Title 10, Code of Federal Regulations, Part 71, "Packaging and Transportation of Radioactive Material."
- b. 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

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|---|---|
| <p>a. ISSUED TO (<i>Name and Address</i>)</p> <p>J. L. Shepherd and Associates<br/>1010 Arroyo Avenue<br/>San Fernando, CA 91340-8095</p> | <p>b. TITLE AND IDENTIFICATION OF REPORT OR APPLICATION</p> <p>J. L. Shepherd and Associates applications dated September 12, 1974; and April 26, 2001, as supplemented</p> |
|---|---|

## 4. CONDITIONS

This certificate is conditional upon fulfilling the requirements of 10 CFR Part 71, as applicable, and the conditions specified below.

## 5.

## (a) Packaging

(1) Model No.: 5984

(2) Description

A protective overpack which provides impact resistance, and thermal resistance for its contents which are contained within a single snug-fitting shielded inner container. The overpack consists of a vented-steel jacketed, laminated plywood outer container. Dimensions of the overpack are approximately 28" in diameter by 43" high and the plywood thickness is approximately 4" on the sides and 6" on the top and bottom. The total weight including weight of the contents is approximately 1,780 pounds.

(3) Drawings

The overpack is constructed in accordance with J. L. Shepherd and Associates Drawing Nos. A-0068-2C-1 dated March 8, 1969; and A-0068-2C dated April 26, 1995.

The inner shielded containers are constructed in accordance with J. L. Shepherd and Associates Drawing Nos. A-0068-1B, Rev. 2, or A-0068-1B-B, dated April 26, 1995, or A-0068-1B-A, dated April 26, 1995. The special form source capsule is constructed in accordance with J. L. Shepherd and Associates Drawing No. A-0068-10 dated January 30, 1969.

## (b) Contents

(1) Type and form of material

Cesium 137 as cesium chloride sources doubly encapsulated in stainless steel tubes which meet the requirements of special form radioactive material.

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5 (b) Contents continued

(2) Maximum quantity of material per package

12,000 curies.

6. Use of packaging fabricated after August 31, 1986, is not authorized.

7. In addition to the requirements of Subpart G of 10 CFR Part 71:

a. The package shall be prepared for shipment and operated in accordance with "Inspection Operation, Handling and Maintenance Procedures" in the J. L. Shepherd and Associates submittal dated May 1, 1995.

b. The package must meet the "Acceptance Tests" and "Checkout and Maintenance Procedures" in the J. L. Shepherd and Associates submittal dated February 20, 1990.

8. The package authorized by this certificate is hereby approved for use under the general license provisions of 10 CFR §71.12.

9. Expiration date: August 31, 2007.

**REFERENCES**

J. L. Shepherd and Associates' application dated September 12, 1974; and April 26, 2001.

Supplements dated: January 20, 1975; February 20, 1990; February 6, and May 1, 1995; April 11, 1996; and June 8, 2001.

FOR THE U.S. NUCLEAR REGULATORY  
COMMISSION

E. William Brach, Director  
Spent Fuel Project Office  
Office of Nuclear Material Safety  
and Safeguards

Date: \_\_\_\_\_