

**CERTIFICATE OF COMPLIANCE  
FOR RADIOACTIVE MATERIAL PACKAGES**

1.	a. CERTIFICATE NUMBER	b. REVISION NUMBER	c. DOCKET NUMBER	d. PACKAGE IDENTIFICATION NUMBER	PAGE	PAGES
	5979	11	71-5979	USA/5979/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

a. ISSUED TO (*Name and Address*)

Alpha-Omega Services, Inc.  
9156 Rose Street  
Bellflower, CA 90706

b. TITLE AND IDENTIFICATION OF REPORT OR APPLICATION

Alpha-Omega Services, Inc. application dated June 1980, as supplemented.

## 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.: 5979

(2) Description

A shipping container for teletherapy cobalt sources. Configuration of the outer container is box-like measuring approximately 38" x 50" x 40". The box is lined with 4.5" of plywood with a 0.125" outer steel shell welded to an exterior angle framework. Transverse strips across the bottom facilitate use of a fork-lift and lifting lugs are provided at the four top corners. The inner shield vessel is essentially a 24" diameter, lead-filled, barrel-shaped configuration. Three different cylindrical plug inserts and bolted end caps provide flexibility to accommodate several sizes and shapes of sources. Gross weight is approximately 5,000 lbs.

(3) Drawings

The packaging is constructed in accordance with Alpha-Omega Services, Inc., Drawing Nos.: 0090, Rev. A; 0091, Rev. A; 0092, Rev. 1; and 0093, Rev. 0.

## (b) Contents

(1) Type and form of material

Cobalt 60 or cesium 137 as sealed sources which meet the requirements of special radioactive material.

(2) Maximum quantity of material per package

13,000 curies Co-60 or 3,000 Cs-137, with decay heat load not to exceed 200 watts.

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6. Lifting eyes shall be covered or blocked to prevent use as tie-down attachments.
7. The shield vessel closures shall be equipped with gaskets.
8. Bolts used to secure the shield vessel closure caps shall be secured against loosening by vibration during transport.
9. In addition to the requirements of Subpart G of 10 CFR Part 71:
  - a) Each package must meet the Maintenance Inspection Program of the supplement dated January 27, 2005; and
  - b) The package must be prepared for shipment in accordance with the Operating Procedures of the supplement dated January 27, 2005.
10. The package authorized by this certificate is hereby approved for use under the general license provisions of 10 CFR 71.17.
11. Expiration date: October 1, 2008.

REFERENCES

Alpha-Omega Services, Inc., application dated June 1980.

Supplements dated: April 12, 1983; May 22 and August 20, 1990; January 30, and November 16, 1995; July 5, 2000; October 26, and November 15, 2004; and January 27, 2005.

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FOR THE U.S. NUCLEAR REGULATORY COMMISSION

/RA/

John D. Monninger, Chief  
Licensing Section  
Spent Fuel Project Office  
Office of Nuclear Material Safety  
and Safeguards

Date: March 9, 2005