

**CERTIFICATE OF COMPLIANCE
FOR RADIOACTIVE MATERIAL PACKAGES**

1. a. CERTIFICATE NUMBER	b. REVISION NUMBER	c. DOCKET NUMBER	d. PACKAGE IDENTIFICATION NUMBER	PAGE	PAGES
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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*)
Advanced Medical Systems Inc.
121 North Eagle Street
Geneva, OH 44041
- b. TITLE AND IDENTIFICATION OF REPORT OR APPLICATION
Advanced Medical Systems, Inc. application
dated June 21, 2002

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 Nos.: 181375 and 181361

(2) Description

Overpacks that provide impact and thermal protection for teletherapy head assemblies or source exchange assemblies. The cubical overpacks covered with 16 gauge steel panels. Reinforcing steel straps and angles are welded together and spaced to limit the openings between them to less than 6 inches. Skid runners are provided to facilitate fork lift usage. Dimensions of the Model No. 181375 are 43.5"L x 39.75"W x 41"H with a maximum gross weight of 3,750 pounds. Dimensions of the Model No. 181361 are 39"L x 34.25"W x 44.5"H with a maximum gross weight of 4,000 pounds.

(3) Drawing

- (i) The Model No. 181375 packaging is constructed in accordance with Advanced Medical Systems, Inc. Drawing Nos.: E590G; D16423A; D16423B; D16424D; D16479; D16568; C16580E; B46411; A46686A; E63790F; D181368G; D181369E (2 pages); D181375N; D184705; D184713; D200016G; D200043; D200073F; D200074C; D200075C; D200079C; C200742-1 THRU 5; B200743-1,5; and B200745-1 THRU 4.
- (ii) The Model No. 181361 packaging is constructed in accordance with Advanced Medical Systems, Inc. Drawing Nos.: D-T60-478-B; C50104-B; D55100-A; C55103-B; C55105-B; D13706A-D (2 pages); D-181356-F; D-181357-F; D-181361-E, B181390-B; and D-200017-A.

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5. (b) Contents

(1) Type and form of material

- (i) Cobalt 60 sealed sources that meet the requirements of special form radioactive material; or
- (ii) Cesium 137 in the form of cesium chloride encapsulated in sealed sources that meet the requirements of special form radioactive material.

(2) Maximum quantity of material per package

- (i) 13,680 curies of cobalt 60 with a radioactive decay heat load not to exceed 200 watts; or
- (ii) 2,200 curies of cesium 137 with a radioactive decay heat load not to exceed 17 watts.

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

- (a) The packages must be operated and prepared for shipment in accordance with the Operating Procedures of Chapter 7 of the application.
- (b) Each packaging must meet the Acceptance Tests and Maintenance program of Chapter 8 of the application.

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

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

9. Expiration date: August 31, 2007.

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REFERENCES

Advanced Medical Systems, Inc. application dated June 21, 2002.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

/RA/ (Original Signed by C. L. Miller for:)

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

Date: August 15, 2002

