NRC FORM 250P (12/05)

United States of America
U.S. Nuclear Regulatory Commission

NRC LICENSE NO.: CBP0006-01

LICENSE EXPIRES: October 01, 2007

Pursuant to the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974 and the regulations of the Nuclear Regulatory Commission issued pursuant thereto, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued to the licensee authorizing the import/export of the materials and/or production or utilization facilities listed below, subject to the terms and conditions herein.

LICENSEE

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

ATTN: Cary Hedger

APPLICANT'S REF. NO.: Applications dtd 05/08/06 & 05/16/06

ULTIMATE FOREIGN CONSIGNEE(S)

Listed on Page 3.

INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES) AND/OR IN THE U.S.

NONE

OTHER PARTY(IES) TO IMPORT/EXPORT

Listed on Page 3.

COUNTRY(IES) OF ULTIMATE DESTINATION: Canada, Japan, and United States of America.

DESCRIPTION OF 10 CFR PART 110, APPENDIX P, BYPRODUCT MATERIALS TO BE IMPORTED AND/OR EXPORTED
(NOTE: SEE PAGE 2 FOR DEFINITIONS OF CATEGORY 1 AND CATEGORY 2)

[redacted] quantities of Co-60 contained in sealed sources used in medical teletherapy devices, are authorized for import and export from and to MDS Nordion (Canada).

[redacted] quantities of Ir-192 contained in sealed sources used in medical brachtherapy devices, are authorized for import and export from and to Japan Radioisotope Association (Japan). Licensee is exempt from submitting information required by 10 CFR §110.32(d) and "pertinent documentation" required by 10 CFR §110.32(h) with its application for named and unnamed recipients (ultimate consignees) in foreign countries, until 24 hours prior to shipment.

Licensee is responsible for compliance with all applicable import, export, and other domestic regulatory requirements, including all terms and conditions of domestic materials license(s).

License expiration date is based on expiration date of State of California's Radioactive Material License 3925-19.

NOTE: This license is amended to add locations 2, 4, 5, 6, 8, 9, 10, 11, 13, 14, 15, and 16, listed on Page 3, as 'Other Party(ies) to Import/Export.'

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Neither this license or any right under this license shall be assigned or otherwise transferred in violation of the provisions of the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974.

This license is subject to the right of recapture or control by Section 108 of the Atomic Energy Act of 1954, as amended, and to all of the other provisions of said Acts, now or hereafter in effect and to all valid rules and regulations of the U.S. Nuclear Regulatory Commission.

THIS LICENSE IS INVALID UNLESS SIGNED BELOW BY AUTHORIZED NRC REPRESENTATIVE

Margaret M. Doane

NAME AND TITLE: Margaret M. Doane, Deputy Director
Office of International Programs

DATE OF ISSUANCE: July 18, 2006

Table 1: Appendix P to Part 110–Category 1 and Category 2 Radioactive Material Threshold Limits

Radioactive Material	Category 1		Category 2	
	Terabequerels (TBq)	Curies (Ci)[1]	Terabequerels (TBq)	Curies (Ci)1
Americium-241	60	1,600	0.6	16
Americium-241/Be	60	1,600	0.6	16
Californium-252	20	540	0.2	5.4
Curium-244	50	1,400	0.5	14
Cobalt-60	30	810	0.3	8.1
Cesium-137	100	2,700	1.0	27
Gadolinium-153	1,000	27,000	10.0	270
Iridium-192	80	2,200	0.8	22
Plutonium-238[2]	60	1,600	0.6	16
Plutonium-239/Be2	60	1,600	0.6	16
Promethium-147	40,000	1,100,000	400	11,000
Selenium-75	200	5,400	2.0	54
Strontium-90 (Y-90)	1,000	27,000	10.0	270
Thulium-170	20,000	540,000	200	5,400
Ytterbium-169	300	8,100	3.0	81

Calculation of Shipments Containing Multiple Sources or Radionuclides:

The "sum of fractions" methodology for evaluating combinations of radionuclides being transported, is to be used when import or export shipments contain multiple sources or multiple radionuclides. The threshold limit values used in a sum of the fractions calculation must be the metric values (i.e., TBq).

I. If multiple sources and/or multiple radionuclides are present in an import or export shipment, the sum of the fractions of the activity of each radionuclides must be determined to verify the shipment is less than the Category 1 or 2 limits of Table 1, as appropriate. If the calculated sum of the fractions ratio, using the following equation, is greater than or equal to 1.0, then the import or export shipment exceeds the threshold limits of Table 1 and the applicable security provisions of this part apply.

II. Use the equation below to calculate the sum of the fractions ratio by inserting the actual activity of the applicable radionuclides or of the individual sources (of the same radionuclides) in the numerator of the equation and the corresponding threshold activity limit from the Table 1 in the denominator of the equation. Ensure the numerator and denominator values are in the same units and all calculations must be performed using the TBq (i.e., metric) values of Table 1.

R1 = activity for radionuclides or source number 1
R2 = activity for radionuclides or source number 2
RN = activity for radionuclides or source number n
AR1 = activity limit for radionuclides or source number 1
AR2 = activity limit for radionuclides or source number 2
ARN = activity limit for radionuclides or source number n

$$\sum_{1}^{n}\left[\frac{R_1}{AR_1}+\frac{R_2}{AR_2}+\frac{R_n}{AR_n}\right]\geq 1$$

NOTIFICATIONS: The notifications required by 10 CFR 110.50(b)(4) are to be emailed to hoo1@nrc.gov (preferred method) or faxed to 301-816-5151. In the subject line of the email or on the fax cover page include: "10 CFR 110.50(b)(4) Notification." To contact someone in the Operations Center, use the same e-mail address or call 301-816-5100. The contact information is current at the time of license issuance. Difficulties notifying the U.S. Nuclear Regulatory Commission must be promptly reported to the Office of International Programs' Import/Export licensing staff.

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[1] The values to be used to determine whether a license is required are given in TBq. Curie (Ci) values are provided for practical usefulness only and are rounded after conversion.

[2] The limits for Pu-238 and Pu-239/Be in this table apply for imports to the U.S. The limits for exports of Pu-238 and Pu-239/Be can be found in § 110.21.

ULTIMATE FOREIGN CONSIGNEE(S):

For imports/exports of 10 CFR §110 Appendix P Category 1 quantities of Co-60:

MDS Nordion
447 March Road
Ottawa, Ontario
K2K 1X8
Canada

For imports/exports of 10 CFR §110 Appendix P Category 2 quantities of Ir-192:

Japan Radioisotope Association (JRIA)
28-45, Honkomagome 2-Chome, Bunkyo-ku
Tokyo 113-8941

OTHER PARTY(IES) TO IMPORT/EXPORT:

1. Cedars-Sinai Hospital
   San Vicente Blvd Suit L-2000
   Los Angeles, CA 90048

2. Washington Hospital
   2000 Mowry Avenue
   Fremont, CA 94538

3. Yale - New Haven Hospital
   Radiosurgery Center
   40 Temple Street
   New Haven, CT 06510

4. HealthSouth Doctors Hospital
   5000 University Drive
   Coral Gables, FL 33146

5. Medical College of Georgia
   1455 Laney Walker Blvd.
   Augusta, GA 30912

6. Neurologic & Orthopedic of Chicago
   4501 N. Winchester
   Chicago, IL 60640

7. Alpha-Omega Services, Inc.
   1282 Starks Road
   Edgerly, LA 70668

8. Washington University School of Medicine
   Barnes-Jewish Hospital CAM Bldg.
   4540 Forest Park Parkway
   St. Louis, MO 63108

9. Bryan Medical Center West
   2300 South 16th Street
   Lincoln, NE 68506

10. University of Pittsburgh Hospital
    130 Desoto Street
    Pittsburgh, PA 15261

11. Puerto Rico Medical Center
    Intersection Moncillaos Ward
    Rio Piedras
    San Juan, PR 00922

12. Riverside Regional Medical Center
    500 J Clyde Morris Blvd
    Newport News, VA 23601

13. University of Virginia
    Primary Care Center Bldg
    1143 Lee Street & Park Place
    Charlottesville, VA 22904-4322

14. St. Joseph Hospital
    611 St. Joseph Avenue
    Marshfield, WI 54449

15. St. Luke's Medical Center
    2900 West Oklahoma Avenue
    Milwaukee, WI 53201

16. West Virginia University Hospital
    One Medical Center Drive
    Morgantown, WV 26506

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