

**APPLICATION FOR LICENSE TO EXPORT  
NUCLEAR MATERIAL AND EQUIPMENT**

*(See Instructions on Reverse)*

Estimated burden per response to comply with this mandatory collection request: 2.4 hours. This submittal is reviewed to ensure that the applicable statutory, regulatory, and policy considerations are satisfied. Send comments regarding burden estimate to the Records Management Branch (T-6 E6), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by Internet e-mail to [infocollects@nrc.gov](mailto:infocollects@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0027), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

1. APPLICANT'S USE		a. DATE OF APPLICATION Nov 3, 2005		b. APPLICANT'S REFERENCE		2. NRC USE		a. DOCKET NUMBER		b. LICENSE NUMBER CBP0006	
3. APPLICANT'S NAME AND ADDRESS						4. SUPPLIER'S NAME AND ADDRESS <i>(Complete if applicant is not supplier)</i>					
a. NAME Alpha - Omega Services Inc						a. NAME					
b. STREET ADDRESS (Facility Site) 9156 Rose Street						b. STREET ADDRESS					
c. CITY Bellflower			d. STATE CA	e. ZIP CODE 90706		b. STREET ADDRESS			c. CITY		
f. TELEPHONE NUMBER (562)804-0604		g. FAX (562)804-0610		h. E-MAIL		c. CITY			d. STATE	e. ZIP CODE	
5. FIRST SHIPMENT SCHEDULED Jan 2006		6. FINAL SHIPMENT SCHEDULED Dec 2006		7. APPLICANT'S CONTRACTUAL DELIVERY DATE		8. PROPOSED LICENSE EXPIRATION DATE Oct 1, 2007		9. CONTRACT NO.			
10. ULTIMATE FOREIGN CONSIGNEE						11. ULTIMATE END USE <i>(Include plant or facility name)</i>					
a. NAME MDS Nordion						MDS Nordion					
b. STREET ADDRESS (Facility Site) 447 March Road						447 March Road					
c. CITY Ottawa, Ontario			d. COUNTRY Canada			Ottawa, Ontario					
12. INTERMEDIATE FOREIGN CONSIGNEE						13. INTERMEDIATE END USE					
a. NAME						11a. DATE REQUIRED					
b. STREET ADDRESS (Facility Site)						13. INTERMEDIATE END USE					
c. CITY			d. COUNTRY			13a. DATE REQUIRED					
14. INTERMEDIATE FOREIGN CONSIGNEE						15. INTERMEDIATE END USE					
a. NAME						15a. DATE REQUIRED					
b. STREET ADDRESS (Facility Site)						15. INTERMEDIATE END USE					
c. CITY			d. COUNTRY			15a. DATE REQUIRED					
16. COM CODE	17. DESCRIPTION <i>(Include chemical and physical form of nuclear material; give dollar value of nuclear equipment and components)</i>					18. MAX. ELEMENT WEIGHT	19. MAX. WT. %	20. MAX. ISOTOPE WEIGHT		21. UNIT	
	SEE ATTACHED										
22. FOREIGN OBLIGATIONS BY COUNTRY AND PERCENTAGE <i>(Use separate sheet if necessary)</i>											
23. ADDITIONAL INFORMATION ON CONSIGNEES, END USES, AND PRODUCT DESCRIPTION <i>(Use separate sheet if necessary)</i>											
SEE ATTACHED											
24. The applicant certifies that this application is prepared in conformity with Title 10, Code of Federal Regulations; and that all information in this application is correct to the best of his/her knowledge.											
25. AUTHORIZED OFFICIAL		a. SIGNATURE 				b. TITLE RSO / President					

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# Alpha-Omega Services, Inc.

*Where Quality Means Exceeding Expectations*

Ms. Margaret M. Doane,  
Deputy Director  
Office of International Programs  
Mail Stop: 4E21  
U.S. Nuclear Regulatory Commission  
One White Flint North  
11555 Rockville Pike  
Rockville, Maryland 20852-2738

November 3, 2005

**Subject: Import/Export Permit Application for an Elekta Co-60 Sources  
And Ir-192 Brachytherapy HDR sources**

**110.32 Information Required in an application for a specific license.**

- (a) Name and address of applicant.  
Alpha-Omega Services, Inc.  
9156 Rose Street  
Bellflower, CA 90706
- (b) Name and address of supplier of equipment or material.
- |                 |                                       |
|-----------------|---------------------------------------|
| - MDS Nordion   | Japan Radioisotope Association (JRIA) |
| 447 March Road  | 28-45, Honkomagome 2-Chome, Bunkyo-ku |
| Ottawa, Ontario | Tokyo 113-8941                        |
| K2K 1X8         | Iridium-192                           |
| Canada          |                                       |
| Cobalt-60       |                                       |
- (c) Country of origin of equipment or material, and any other countries that have processed the material prior to its import into the U.S.
- The Elekta sealed sources (model number 43047 or 43685) are manufactured in Canada and U.S.A.
  - The Varian sealed source (model number VS 2000) in U.S.A.
  -
- (d) Names and addresses of all intermediate and ultimate consignees, other than intermediate consignees performing shipping services only.
- |                                |                            |
|--------------------------------|----------------------------|
| Intermediate Consignees: CO-60 |                            |
| Alpha-Omega Services, Inc      |                            |
| 9156 Rose Street               |                            |
| Bellflower, CA 90706           |                            |
| Ultimate Consignees: CO-60     | Ultimate Consignee: Ir-192 |
| Yale – New Haven Hospital      | Alpha-Omega Services, Inc. |
| Radiosurgery Center            | 1282 Starks Road           |
| 40 Temple Street               | Edgerly, LA                |
| New Haven, Connecticut 06510   |                            |
| Cedars-Sinai Hospital          |                            |
| San Vicente Blvd Suite L-2000  |                            |
| Los Angeles, CA 90048          |                            |

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

Will add more domestic sites  
with an amendment

Alpha-Omega Services, Inc. will assure that all hospitals are license to receive the Cobalt-60 prior of shipment.  
Alpha-Omega Services, Inc. will make confirmation from the US NRC and or agreement States that hospital license are valid.

(e) Dates of proposed first and last shipments.

- January 2006
- December 2006

(f) Description of the equipment or material including, as appropriate, the following:

1. Maximum quantity of material in grams or kilograms (terabequerels or TBq for byproduct material) and its chemical and physical form.

- Cobalt 60
- Maximum activity [REDACTED] per shipment
- Chemical form: [REDACTED]
- Physical form: [REDACTED]
- Iridium 192
- Maximum activity [REDACTED] per shipment
- Chemical form: [REDACTED]
- Physical form: [REDACTED]
- 

2. Description of end use by all consignees in sufficient detail to permit accurate evaluation of the justification for the proposed export or import, including the need for shipment by the dates specified.

- The Elekta sources are used in medical teletherapy devices.
- The Varian source are used in medical brachytherapy devices.

(g) For proposed imports of material listed in Table 1 of Appendix P to this part, a copy of the applicant's authorization to receive and possess the radioactive material to be imported for each recipient.

- A copy of Alpha-Omega Services, Inc. California radioactive material license # 3925-19 for Cobalt-60
- A copy of Alpha-Omega Services, Inc. Louisiana radioactive material license # LA-10025-L01 for Iridium - 192

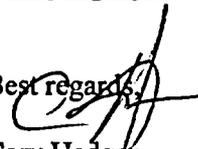
(h) For proposed exports of material listed in Table 1 of Appendix P to this part, pertinent documentation that the recipient of the material has the necessary authorization under the laws and regulations of the importing country to receive and possess the material. Pertinent documentation shall consist of a copy of the recipient's authorization to receive and possess the material to be exported or a confirmation from the government of the importing country that the recipient is so authorized. The recipient authorization shall include the following information:

1. Name of the recipient
  - MDS Nordion                      Japan Radioisotope Association
2. Recipient location and legal address or principal place of business
  - 447 March Road                      28-45 Honkomagome 2-Chome, Bunkyo-ku
  - Ottawa, Ontario                      Tokyo 113-8941
  - Canada
3. Relevant radionuclides and radioactivity being imported or that the recipient is authorized to receive and possess
  - Cobalt 60                              Iridium-192
4. Uses, if appropriate
  - MDS Nordion manufactures the sealed source and devices and will accept return sources from customers for inspection, disposal, recycling or reuse.
  - Alpha-Omega Services, Inc. manufactures the sealed source and devices and will accept the return sources from the customers for inspection, disposal, recycling or reuse.
5. The expiration date of the recipient's authorization (if any)
  - October 31, 2015
  - October 1, 2007
  - May 31, 2008
  - Pending

Please find attached a copy of MDS Nordion license # NSPFOL-11A.00/2015  
Alpha-Omega license # 3925-19  
Alpha-Omega license # LA-10025-L01  
Japan Radioisotope Association # Pending

Should you have any questions or require further information, please do not hesitate to contact Cary Hedger ext 42 or Troy Hedger ext 24 Alpha-Omega Services, Inc. by telephone at (800) 346-7894 or by fax at (562) 804-0610 or by email at [c.hedger@alpha-omegaserv.com](mailto:c.hedger@alpha-omegaserv.com). Or [t.hedger@alpha-omegaserv.com](mailto:t.hedger@alpha-omegaserv.com).

Best regards,

  
Cary Hedger  
RSO/President