

<b>NRC FORM 7</b> (5-2003) 10 CFR 110		<b>U.S. NUCLEAR REGULATORY COMMISSION</b>		<b>APPROVED BY OMB: NO. 3150-0027</b> <b>EXPIRES: 05/31/2006</b>	
<b>APPLICATION FOR LICENSE TO EXPORT NUCLEAR MATERIAL AND EQUIPMENT</b> <i>(See Instructions on Reverse)</i>					
1. APPLICANT'S USE		a. DATE OF APPLICATION June 9, 2006		b. APPLICANT'S REFERENCE H. Voelk, CHP	
		2. NRC USE		a. DOCKET NUMBER  b. LICENSE NUMBER CBP0054	
3. APPLICANT'S NAME AND ADDRESS				4. SUPPLIER'S NAME AND ADDRESS <i>(Complete if applicant is not supplier)</i>	
a. NAME Albany Medical Center				a. NAME	
b. STREET ADDRESS (Facility Site) 43 New Scotland Avenue, MC-94				b. STREET ADDRESS	
c. CITY Albany		d. STATE NY		e. ZIP CODE 12208-3478	
f. TELEPHONE NUMBER (518) 262-3389		g. FAX (518) 262-9366		h. E-MAIL voelkh@mail.ama	
i. CITY		d. STATE		e. ZIP CODE	
5. FIRST SHIPMENT SCHEDULED		6. FINAL SHIPMENT SCHEDULED		7. APPLICANT'S CONTRACTUAL DELIVERY DATE	
09/30/2006		09/30/2007		09/30/2007	
10. ULTIMATE FOREIGN CONSIGNEE				11. ULTIMATE END USE <i>(include plant or facility name)</i>	
a. NAME MDS Nordion				MDS Nordion manufacturers and distributes sealed sources and devices and will accept return sources from customers for inspection, disposal, recycling and reuse.	
b. STREET ADDRESS (Facility Site) 447 March Road				11a. DATE REQUIRED	
c. CITY Ottawa		d. COUNTRY Canada		12. INTERMEDIATE FOREIGN CONSIGNEE	
a. NAME Not Applicable				13. INTERMEDIATE END USE	
b. STREET ADDRESS (Facility Site)				Not Applicable	
c. CITY		d. COUNTRY		13a. DATE REQUIRED	
14. INTERMEDIATE FOREIGN CONSIGNEE				15. INTERMEDIATE END USE	
a. NAME Not Applicable				Not Applicable	
b. STREET ADDRESS (Facility Site)				15a. DATE REQUIRED	
c. CITY		d. COUNTRY			
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. %
	Return source GEA-ORIS-LAPIB Model IBL-437-C and CIS-US-IBL-437 blood irradiator. Cesium-137 Chemical form: Element Physical form: Solid			N/A	N/A
				20. MAX. ISOTOPE WEIGHT	21. UNIT
					TBq (Di)
22. FOREIGN OBLIGATIONS BY COUNTRY AND PERCENTAGE <i>(Use separate sheet if necessary)</i>					
Not Applicable					
23. ADDITIONAL INFORMATION ON CONSIGNEES, END USES, AND PRODUCT DESCRIPTION <i>(Use separate sheet if necessary)</i>					
Please find attached MDS Nordion facility license which is valid until October 31, 2010 and allows the possession of Cesium-137.					
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 <i>Heidi Voelk</i>		b. TITLE Director, Radiation Safety	



## **Albany Medical Center**

**Radiation Safety Department HUN 116 MC-94**  
**43 New Scotland Avenue, Albany, NY 12208-3478**

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June 19, 2006

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

Dear Ms. Doane:

Albany Medical Center, located in Albany, New York, is replacing their CIS IBL 437 C irradiator (S/N 91-357), which contains a [REDACTED] Curie  $^{137}\text{Cs}$  source, with a Nordion Gammacell 3000 Elan Model I irradiator, which contains a [REDACTED] Curie  $^{137}\text{Cs}$  source (C-3001 source, S/N A1877). The replacement is scheduled for sometime during September–December 2006.

We are requesting an Import Permit for the Gammacell 3000 Elan Model I irradiator.

a) Name and Address of Applicant: Albany Medical Center  
43 New Scotland Avenue  
Albany, NY 12208

b) Name and Address of Supplier: MDS Nordion  
447 March Road  
Ottawa, Ontario  
K2K 1X8  
Canada

c) Country of Origin of Equipment or Material, and any Other Countries that have Processed the Material Prior to Its Import Into the US:

The C-3001 source is manufactured in the United Kingdom.  
The Gammacell 3000 irradiator is manufactured in Canada.

d) Intermediate and ultimate consignees, other than intermediate consignees performing shipping services, only:

Albany Medical Center  
43 New Scotland Avenue  
Albany, New York 12208

e) Dates of proposed first and last shipments: Single import shipment during September–December 2006.

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- f) Description of equipment or material including, as appropriate, the following:
1. Maximum quantity of material in grams or kilograms (TBq for byproduct materials) and chemical and physical form
    - i. Cesium-137 (<sup>137</sup>Cs)
    - ii. Activity – [REDACTED]
    - iii. Maximum activity – [REDACTED]
    - iv. Chemical form – Element
    - v. Physical form – Solid
  2. Description of end use by all consignees:  
The Gammacell 3000 is a self-shielded irradiator that reliably delivers controlled doses of radiation to blood samples for medical purposes.

g) NYSDOH Radioactive Material License: A copy is enclosed.

The application fee for the requested Import/Export permit is enclosed.

If you have any questions or require further information, please contact me at 518.262.3366 or by fax at 518.262.9366 or via e-mail at [voelkh@mail.amc.edu](mailto:voelkh@mail.amc.edu).

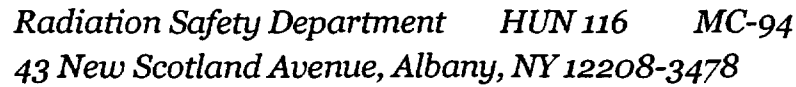
Thank you for your attention to this matter.

Sincerely,



Heidi Voelk, CHP  
Director, Radiation Safety

Enc.  
cc: RSO file



- a) **Applicant's Name and Address:** Albany Medical Center  
43 New Scotland Avenue  
Albany, NY 12208
- b) **Name and Address of Supplier:** CIS US, Inc.  
10 DeAngelo Drive  
Bedford, MA 01730  
(CIS US, Inc. is no longer in business.)
- c) **Country of Origin of Equipment:** Distributor of CIS Irradiator – CIS US, Inc.  
Manufacturer – Compagnie Oris Industrie  
BP No. 21  
91190 GIF-SUR-YVETTE, France
- d) **Names and Addresses of All Intermediate and Ultimate Consignees**  
MDS Nordion  
447 March Road  
Ottawa, Ontario  
Canada, K2K 1X8
- e) **Dates of Proposed First and Last Shipments:** Single export shipment before 9/30/2007.

f) Description of Equipment or Material

1. Cesium-137 (<sup>137</sup>Cs)
2. Activity: [REDACTED]
3. Chemical form: Element
4. Physical form: Solid

g) Applicant's Site License – Attached

h) Recipient Authorizations

1. Name of Recipient: MDS Nordion
2. Location: 447 March Road  
Ottawa, Ontario  
Canada

3. Relevant Radionuclides and Radioactivity Being Exported: Cesium-137 (<sup>137</sup>Cs)

A copy of sealed source certification is enclosed.

4. Uses: MDS Nordion manufacturers sealed sources and devices and will accept return sources from customers for inspection, disposal, recycling, or reuse.

5. Expiration of Recipient's Authorization: October 31, 2015. A copy of MDS Nordion's license is enclosed.

The application fee for the requested Import/Export permit is enclosed.

If you have any questions or require further information, please contact me at 518.262.3366 or by fax at 518.262.9366 or via e-mail at [voelkh@mail.amc.edu](mailto:voelkh@mail.amc.edu).

Thank you for your attention to this matter.

Sincerely,



Heidi Voelk, CHP  
Director, Radiation Safety

Enc.  
cc: RSO file