

NRC FORM 7 (5-2003) 10 CFR 110		U.S. NUCLEAR REGULATORY COMMISSION			APPROVED BY OMB: NO. 3150-0027		EXPIRES: 05/31/2006																															
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, 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 05/10/2006			b. APPLICANT'S REFERENCE			2. NRC USE			a. DOCKET NUMBER		b. LICENSE NUMBER CBP0050																								
3. APPLICANT'S NAME AND ADDRESS									4. SUPPLIER'S NAME AND ADDRESS (Complete if applicant is not supplier)																													
a. NAME United Blood Services									a. NAME Not Applicable																													
b. STREET ADDRESS (Facility Site) 1320 1st Ave N									b. STREET ADDRESS																													
c. CITY Fargo			d. STATE ND			e. ZIP CODE 58102			c. CITY			d. STATE			e. ZIP CODE																							
f. TELEPHONE NUMBER (701) 293-9453			g. FAX (701) 293-9564			h. E-MAIL fmliner@bloodsy			5. FIRST SHIPMENT SCHEDULED			6. FINAL SHIPMENT SCHEDULED			7. APPLICANT'S CONTRACTUAL DELIVERY DATE			8. PROPOSED LICENSE EXPIRATION DATE 12/31/2006			9. CONTRACT NO.																	
10. ULTIMATE FOREIGN CONSIGNEE									11. ULTIMATE END USE (Include plant or facility name)																													
a. NAME MDS Nordion									MDS Nordion manufactures and distributes sealed sources and devices and will accept return sources from customers for inspection, disposal, recycling or reuse.																													
b. STREET ADDRESS (Facility Site) 447 March Road									11a. DATE REQUIRED November 30, 2006																													
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 (Include chemical and physical form of nuclear material; give dollar value of nuclear equipment and components)									18. MAX. ELEMENT WEIGHT			19. MAX. WT. %			20. MAX. ISOTOPE WEIGHT			21. UNIT		
			Return source (model ISO 1000, serial number 826Cs98, initial curies [redacted] of Aug. 29, 1983 and decayed curies to May 10, 2006 is [redacted] and device (Gammacell 1000 serial number 0032) Cesium 137 Chemical Form:Element Physical Form: Solid						N/A			N/A			[redacted]			Ci																				
22. FOREIGN OBLIGATIONS BY COUNTRY AND PERCENTAGE (Use separate sheet if necessary) Not Applicable																																						
23. ADDITIONAL INFORMATION ON CONSIGNEES, END USES, AND PRODUCT DESCRIPTION (Use separate sheet if necessary) Please find attached MDS Nordion Facility license which is valid until October 31, 2015, 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>Max Milner</i>										b. TITLE HSD/R50																		



United Blood Services

1320 1st Avenue, N. / P.O. Box 2462 / Fargo, ND 58108-2462
(701) 235-3091 / FAX (701) 235-0485

Locations in:
Bismarck, ND
Minot, ND
Aberdeen, SD

May 10, 2006

Subject: Import Permit Application for a Gammacell 3000

To Whom It May Concern:

United Blood Services is requesting an Import permit to allow MDS Nordion to deliver a device (Gammacell 3000) to our facility at 3231 S 11th Street, Fargo, ND.

110.32 Information Required in an application for a specific license.

(a) Name and address of applicant.

- United Blood Services
- 3231 S 11th Street
- Fargo, ND 58104

(b) Name and address of supplier of equipment or material.

- 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 U.S.

- The Gammacell 3000 is manufactured in Canada.

(d) Names and addresses of all intermediate and ultimate consignees, other than intermediate consignees performing shipping services only.

- United Blood Services
- 3231 S 11th Street
- Fargo, ND 58104

(e) Dates of proposed first and last shipments.

[REDACTED]

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

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

- Cesium 137
- Gammacell 3000
- Maximum activity [REDACTED]
- Chemical form: Element
- Physical form: Solid

(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 Gammacell 3000 is a self-shielded irradiator that reliably delivers controlled dose of radiation to blood samples for medical purposes. The Gammacell 3000 may also be used for other non-medical application to irradiate samples.

(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.

- Please find attached a copy of the North Dakota Department of Health Radioactive Materials License for United Blood Services.

Enclosed is the applicable fee.

Should you have any questions or require further information of MDS Nordion, please do not hesitate to contact customer service by telephone at (613) 592-3400 ext. 1090 or by fax at (613) 592-6991 or by email at service@mdsinc.com

Should you have any questions or require further information of United Blood Services, please do not hesitate to contact Fran Milner by telephone at (800) 917-4929 or by fax at (701) 293-9564 or by email at fmilner@bloodsystems.org.

Thank you,

Fran Milner
RSO



United Blood Services

1320 1st Avenue, N. / P.O. Box 2462 / Fargo, ND 58108-2462
(701) 235-3091 / FAX (701) 235-0485

Locations in:
Bismarck, ND
Minot, ND
Aberdeen, SD

May 10, 2006

Subject: Export Permit Application for a Gammacell 1000

To Whom It May Concern:

United Blood Services is requesting an Export permit to allow MDS Nordion to pick up for return a device (Gammacell 1000) from our facility at 1320 1st Ave. N, Fargo, ND.

110.32 Information Required in an application for a specific license.

(a) Name and address of applicant.

- United Blood Services
- 1320 1st Ave. N
- Fargo, ND 58102

(b) Name and address of supplier of equipment or material.

- United Blood Services
- 1320 1st Ave N
- Fargo, ND 58102

(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 Gammacell 1000 is manufactured in Canada.

(d) Names and addresses of all intermediate and ultimate consignees, other than intermediate consignees performing shipping services only.

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

(e) Dates of proposed first and last shipments.

- [REDACTED]

(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.

- Cesium 137



- Initial [REDACTED] as of Aug. 29, 1983 and decayed curies to May 10, 2006 is [REDACTED]
- Chemical form: Element
- Physical form: Solid

(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 Gammacell 1000 is a self-shielded irradiator that reliably delivers controlled dose of radiation to blood samples for medical purposes. The Gammacell 1000 may also be used for other non-medical application to irradiate samples.

(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.

- Not applicable

(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

(2) Recipient location and legal address or principal place of business

- 447 March Road
Ottawa, Ontario
Canada

(3) Relevant radionuclides and radioactivity being imported or that the recipient is authorized to receive and possess

- Cesium 137

(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.

(5) The expiration date of the recipient's authorization (if any)

- October 31, 2015



Please find attached a copy of MDS Nordion license.

Should you have any questions or require further information of MDS Nordion, please do not hesitate to contact customer service by telephone at (613) 592-3400 ext. 1090 or by fax at (613) 592-6991 or by email at service@mdsinc.com.

Should you have any questions or require further information of United Blood Services, please do not hesitate to contact Fran Milner by telephone at (800) 917-4929 or by fax at (701) 293-9564 or by email at fmilner@bloodsystems.org.

Thank you,


Fran Milner
RSO



21 October, 2005

To Whom It May Concern:

Re: MDS Nordion License for Possession/Import of Radioisotopes

MDS Nordion possesses a license from our competent authority (Canadian Nuclear Safety Commission – CNSC) for the operation of our radioisotope processing facility.

The license number is NSPFOL-11A.00/2015 and is titled:

**Nuclear Substance Processing Facility Operating License
MDS Nordion, a Division of MDS (Canada) Inc.**

It has been issued with an expiry date of 31 October, 2015.

The Licensed Activities in Section IV) b) authorizes us to possess, transfer, use, process, import, manage and store nuclear substances that are required for, associated with or arise from the operation of the licensed facility.

With this license format, there is no license limit for the possession of radioisotopes other than the requirement that the facility must be operated to established procedures defined by MDS Nordion in its radiation protection program and associated documents that must be, and have been, approved by the CNSC.

Should you require further information, please feel free to contact us at the above telephone number.

Sincerely,

A handwritten signature in black ink, appearing to read "Marc-André Charrette". The signature is fluid and cursive.

Marc-André Charrette on behalf of Lloyd Hillier
Director of Safety and Environment