

NRC FORM 7 (5-2003) 10 CFR 110		U.S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB: NO. 3150-0027 EXPIRES: 05/31/2006 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 infocollect@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.	
APPLICATION FOR LICENSE TO EXPORT NUCLEAR MATERIAL AND EQUIPMENT (See Instructions on Reverse)					
1. APPLICANT'S USE		a. DATE OF APPLICATION 3/10/06		b. APPLICANT'S REFERENCE NRB-Export	
2. NRC USE		a. DOCKET NUMBER		b. LICENSE NUMBER CBP0040	
3. APPLICANT'S NAME AND ADDRESS					
a. NAME Memorial Sloan-Kettering Cancer Center					
b. STREET ADDRESS (Facility Site) 1275 York Ave					
c. CITY New York		d. STATE NY		e. ZIP CODE 10021	
f. TELEPHONE NUMBER (212) 693-7391		g. FAX (212) 717-3010		h. E-MAIL	
4. SUPPLIER'S NAME AND ADDRESS (Complete if applicant is not supplier)					
a. NAME MSKCC via (Atomic Energy of Canada LTD-Circa 12/72)					
b. STREET ADDRESS 1275 York Ave					
c. CITY New York		d. STATE NY		e. ZIP CODE 10021	
5. FIRST SHIPMENT SCHEDULED		6. FINAL SHIPMENT SCHEDULED		7. APPLICANT'S CONTRACTUAL DELIVERY DATE	
				12/31/2006	
				PO# 828319	
10. ULTIMATE FOREIGN CONSIGNEE					
a. NAME MDS Nordion					
b. STREET ADDRESS (Facility Site) 447 March Road					
c. CITY Ottawa, Ontario		d. COUNTRY Canada			
11. ULTIMATE END USE (Include plant or facility name) MDS Nordion manufactures and distributes sealed sources and devices and will accept return sources from customers for in spection, disposal, recycling, or reuse.					
11a. DATE REQUIRED 2006 MAR 22 AM 8:50					
12. INTERMEDIATE FOREIGN CONSIGNEE					
a. NAME Not Applicable					
b. STREET ADDRESS (Facility Site)					
c. CITY		d. COUNTRY			
13. INTERMEDIATE END USE Not Applicable					
13a. DATE REQUIRED					
14. INTERMEDIATE FOREIGN CONSIGNEE					
a. NAME Not Applicable					
b. STREET ADDRESS (Facility Site)					
c. CITY		d. COUNTRY			
15. INTERMEDIATE END USE Not Applicable					
15a. DATE REQUIRED					
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	
		--Cesium 137 --Chemical form: Cesium Chloride --Physical form: Solid		NA	
				19. MAX. WT. % NA	
				20. MAX. ISOTOPE WEIGHT NA	
				21. UNIT NA	
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) End user license					
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 Sr. Director, Research Resources	



March 13, 2006

United States Nuclear Regulatory Commission
One White Flint North
15555 Rockville Pike
Rockville, MD 20852-2738

Attention: Deputy Director, Office of International Programs, Mail Stop 4E21
Ms. Margaret M. Doane

RECEIVED OIP
2006 MAR 22 AM 8:50

Dear Ms. Doane,

Memorial Sloan-Kettering Cancer Center [MSKCC] requests an import and export permit in accordance with 10CFR part 110. MSKCC is acquiring a self-shielded irradiator, a Gammacell 40 Exactor, from MDS Nordion, Inc., a Canadian manufacturer, containing a source activity greater than Category 1. Concurrently, MSKCC is returning an older model, a Gammacell 40, self-shielded irradiator to MDS Nordion, containing a source activity less than Category 1, but greater than Category 2.

In conversations with Mr. Dembeck of your staff, it was determined that the applicable fee including both import and export was \$2400.00. The transfer of materials is to occur over the span of two to three days and will be assisted by MDS Nordion, Inc.

Included in this mailing are:

- import permit application [Attachment 1];
- NRC Form 7 requesting export of the old source [Attachment 2] and a
- Copy of the agreement state license permitting possession of the imported materials [Attachment 3].

We have enclosed a check for \$2400 made payable to the United States Nuclear Regulatory Commission. Questions may be directed to the Radiation Safety Office at (212) 639-7391. E-mail: stgermai@mskcc.org. Thank you for your assistance.

Gustave Bernardt
Senior Director
Research Resources Management

Jean St. Germain, CHP, RMP
Radiation Safety Officer

Memorial Sloan-Kettering Cancer Center
1275 York Avenue, New York, New York 10021

NCI-designated Comprehensive Cancer Center

Import Permit Filed by Letter
[§110.31(c)]

In accordance with Title 10 of the Code of Federal Regulations Part 110.32, the following information is provided as a request for the import of byproduct material.

(a) Name and address of applicant.

Memorial Sloan-Kettering Cancer Center
1275 York Ave
New York, NY 10021

(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 C-440 sealed sources are manufactured in the United Kingdom. The Gammacell 40 is manufactured in Canada.

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

The Gammacell 40 will be installed in a research building owned by Memorial Sloan-Kettering Cancer Center (MSKCC). The address of this facility is 415 East 68th Street, New York, NY 10021. This address is listed on the MSKCC non-human use radioactive materials license (74-2968-02 Amendment 6, Condition 12). The unit is maintained by the Department of Medical Physics and the Radiation Safety Officer is Jean Saint Germain, reporting to the Chairman of Medical Physics.

(e) Dates of proposed first and last shipments.

The anticipated onetime shipment date is [REDACTED] however, MSKCC wishes to continue the import permit until December 31st to accommodate changes in schedule. It is understood that all required pre-shipment notifications will be made in accordance with 10CFR110.

Import Permit Filed by Letter
[§110.31(c)]

(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
- Maximum Activity of the Gammacell 40
 - [REDACTED]
- Chemical form: Elemental cesium chloride (CsCl)
- 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 40 is a self-shielded irradiator that reliably delivers a controlled dose of radiation to samples or animals for academic and /or research purposes.

(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.*

Attached is the Memorial Sloan-Kettering Cancer Center non-human use radioactive materials license (74-2968-02) issued by the City of New York, Amendment 6.