

**WAKE FOREST**  
**UNIVERSITY**  
SCHOOL of MEDICINE  
THE BOWMAN GRAY CAMPUS

**Environmental Health and Safety**

Telephone: (336) 716-9375

Fax: (336) 716-0588

June 14, 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

**SUBJECT: IMPORTATION OF MDS NORDION GAMMACELL MODEL 1000 ELITE IRRADIATOR FROM CANADA**

Dear Ms. Doane:

Per our recent telephone conversation, I am submitting this cover letter regarding Wake Forest University Health Science's purchase and installation of a radioactive source from Canada.

The authorized place of use for this source (PTRP Building Ala) is still under construction; plans call for its completion in early-mid September 2006. Later that month, MDS Nordion of Ottawa, Canada, will transport and install a Gammacell Model 1000 irradiator in Building Ala.

I have enclosed a copy of our recently amended broad scope medical license for your review. Item VV lists the isotope, physical form, maximum activity and authorized use; Condition 10I lists the authorized place of use for this radioactive material.

I appreciate your time and attention to this matter. If I may provide more information, please contact me at (336) 716-1202 or by e-mail, dhowell@wfubmc.edu.

Sincerely,

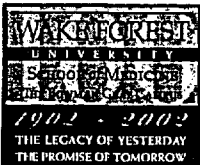


David C Howell, Radiation Safety Officer  
Wake Forest University Baptist Medical Center

Enclosure: NRC Form 7

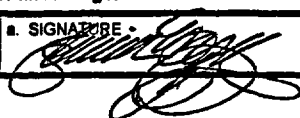
Copy of North Carolina Radioactive Material License No. 034-0158-1

RECEIVED OIP  
2006 JUN 19 PM 3:40



*Wake Forest University Health Sciences*

Medical Center Boulevard • Winston-Salem, North Carolina 27157-1023

<b>NRC FORM 7</b> (5-2003) 10 CFR 110		<b>U.S. NUCLEAR REGULATORY COMMISSION</b>		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-8 E6), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to <a href="mailto:infocollects@nrc.gov">infocollects@nrc.gov</a> , 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.	
<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 14, 2006		b. APPLICANT'S REFERENCE 034-0158-1	
2. NRC USE		a. DOCKET NUMBER		b. LICENSE NUMBER <b>LB P0053</b>	
3. APPLICANT'S NAME AND ADDRESS					
a. NAME Wake Forest University Health Sciences					
b. STREET ADDRESS (Facility Site) C/O EH&S - Medical Center Boulevard					
c. CITY Winston-Salem		d. STATE NC		e. ZIP CODE 27157-1023	
f. TELEPHONE NUMBER (336) 716-1202		g. FAX (336) 716-0588		h. E-MAIL <a href="mailto:dhowell@wfubmc.edu">dhowell@wfubmc.edu</a>	
5. FIRST SHIPMENT SCHEDULED 09/01/2006		6. FINAL SHIPMENT SCHEDULED 12/31/2006		7. APPLICANT'S CONTRACTUAL DELIVERY DATE [REDACTED]	
				8. PROPOSED LICENSE EXPIRATION DATE 12/31/2006	
				9. CONTRACT NO. N/A	
10. ULTIMATE FOREIGN CONSIGNEE					
a. NAME Wake Forest University Health Sciences					
b. STREET ADDRESS (Facility Site) C/O EH&S - Medical Center Boulevard					
c. CITY Winston-Salem		d. COUNTRY USA			
11. ULTIMATE END USE (Include plant or facility name) PTRP Building A1a 415 East Third Street Winston-Salem, NC 27101					
11a. DATE REQUIRED					
12. INTERMEDIATE FOREIGN CONSIGNEE					
a. NAME N/A					
b. STREET ADDRESS (Facility Site)					
c. CITY		d. COUNTRY			
13. INTERMEDIATE END USE					
N/A					
13a. DATE REQUIRED					
14. INTERMEDIATE FOREIGN CONSIGNEE					
a. NAME N/A					
b. STREET ADDRESS (Facility Site)					
c. CITY		d. COUNTRY			
15. INTERMEDIATE END USE					
N/A					
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: Element Physical form: Solid		N/A	
				19. MAX. WT. % N/A	
				20. MAX. ISOTOPE WEIGHT N/A	
				21. UNIT [REDACTED]	
22. FOREIGN OBLIGATIONS BY COUNTRY AND PERCENTAGE (Use separate sheet if necessary) N/A Fee exempt for university					
23. ADDITIONAL INFORMATION ON CONSIGNEES, END USES, AND PRODUCT DESCRIPTION (Use separate sheet if necessary) MDS Nordion Gammacell Model 1000 Elite Irradiator to deliver controlled dose of radiation to blood samples for medical purposes and other non-medical application to irradiate samples.					
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 Radiation Safety Officer	