

**Veterans
Administration**

In Reply Refer To: 614/115

Dr. Joseph Del Medico
Material Licensing Branch
Division of Fuel Cycle and
Material Safety
Washington, D. C. 20555

Dear Dr. Del Medico:

Enclosed please find our completed form NRC-313M concerning an amendment to Byproduct Material License No. 41-00119-08. This amendment requests the changes of our maximum amount that our license allowed in items 8.F through 8.L.

We will be looking forward to your response to the amendment proposed. Please do not hesitate to contact me at any time should you desire any additional information.

Sincerely,

HASSAN M. OMAR, Ph.D.
Radiation Safety Officer

Enclosures 2

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REQ2 LIC30
41-00119-08 PDR

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NRC FORM 313M (9-81) 10 CFR 35	U.S. NUCLEAR REGULATORY COMMISSION APPLICATION FOR MATERIALS LICENSE — MEDICAL	Approved by OMB 3150-0041 Expires 9-30-83	
INSTRUCTIONS — Complete Items 1 through 26 if this is an initial application or an application for renewal of a license. Use supplemental sheets where necessary. Item 26 must be completed on all applications and signed. Retain one copy. Submit original and one copy of entire application to: Director, Office of Nuclear Materials Safety and Safeguards, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555. Upon approval of this application, the applicant will receive a Materials License. An NRC Materials License is issued in accordance with the general requirements contained in Title 10, Code of Federal Regulations, Part 30, and the Licensee is subject to Title 10, Code of Federal Regulations, Parts 19, 20 and 35 and the license fee provision of Title 10, Code of Federal Regulations, Part 170. The license fee category should be stated in Item 26 and the appropriate fee enclosed.			
1.a. NAME AND MAILING ADDRESS OF APPLICANT (institution, firm, clinic, physician, etc.) INCLUDE ZIP CODE Veterans Administration Medical Center 1030 Jefferson Ave. Memphis, TN 38104 <div style="text-align: right;">Ext. 5087</div> TELEPHONE NO.: AREA CODE (901) 523-8990	1.b. STREET ADDRESS(ES) AT WHICH RADIOACTIVE MATERIAL WILL BE USED (If different from 1.a.) INCLUDE ZIP CODE Same as 1.a.		
2. PERSON TO CONTACT REGARDING THIS APPLICATION Murray L. Fields, M.D. <div style="text-align: right;">Ext. 5093</div> TELEPHONE NO.: AREA CODE (901) 523-8990	3. THIS IS AN APPLICATION FOR: (Check appropriate item) a. <input type="checkbox"/> NEW LICENSE b. <input checked="" type="checkbox"/> AMENDMENT TO LICENSE NO. 41-00119-08 c. <input type="checkbox"/> RENEWAL OF LICENSE NO. _____		
4. INDIVIDUAL USERS (Name individuals who will use or directly supervise use of radioactive material. Complete Supplements A and B for each individual.) See Attachment A	5. RADIATION SAFETY OFFICER (RSO) (Name of person designated as radiation safety officer. If other than individual user, complete resume of training and experience as in Supplement A.) Hassan M. Omar, Ph.D.		
6.a. RADIOACTIVE MATERIAL FOR MEDICAL USE			
RADIOACTIVE MATERIAL LISTED IN:	ITEMS DESIRED "X"	MAXIMUM POSSESSION LIMITS (In millicuries)	
10 CFR 31.11 FOR IN VITRO STUDIES			
10 CFR 35.100, SCHEDULE A, GROUP I	X	AS NEEDED	
10 CFR 35.100, SCHEDULE A, GROUP II	X	AS NEEDED	
10 CFR 35.100, SCHEDULE A, GROUP III			
10 CFR 35.100, SCHEDULE A, GROUP IV	X	AS NEEDED	
10 CFR 35.100, SCHEDULE A, GROUP V	X	AS NEEDED	
10 CFR 35.100, SCHEDULE A, GROUP VI			
6.b. RADIOACTIVE MATERIAL FOR USES NOT LISTED IN ITEM 6.a. (Sealed sources up to 3 mCi used for calibration and reference standards are authorized under Section 35.14(d), 10 CFR Part 35, and NEED NOT BE LISTED.)			
ELEMENT AND MASS NUMBER	CHEMICAL AND/OR PHYSICAL FORM	MAXIMUM NUMBER OF MILLCURIES OF EACH FORM	DESCRIBE PURPOSE OF USE
<div style="font-size: 2em; transform: rotate(-30deg); opacity: 0.5;"> 8505310340 </div>			

INFORMATION REQUIRED FOR ITEMS 7 THROUGH 23

For Items 7 through 23, check the appropriate box(es) and submit a detailed description of all the requested information. Begin each item on a separate sheet. Identify the item number and the date of the application in the lower right corner of each page. If you indicate that an appendix to the medical licensing guide will be followed, do not submit the pages, but specify the revision number and date of the referenced guide: Regulatory Guide 10.8 , Rev. _____ Date: _____

As stated in License.

7. MEDICAL ISOTOPES COMMITTEE		15. GENERAL RULES FOR THE SAFE USE OF RADIOACTIVE MATERIAL (Check One)	
Names and Specialties Attached; and		Appendix G Rules Followed; or	
Duties as in Appendix B; or _____ (Check One)		Equivalent Rules Attached	
Equivalent Duties Attached		16. EMERGENCY PROCEDURES (Check One)	
8. TRAINING AND EXPERIENCE		Appendix H Procedures Followed; or	
Supplements A & B Attached for Each Individual User; and		Equivalent Procedures Attached	
Supplement A Attached for RSO.		17. AREA SURVEY PROCEDURES (Check One)	
9. INSTRUMENTATION (Check One)		Appendix I Procedures Followed; or	
Appendix C Form Attached; or		Equivalent Procedures Attached	
List by Name and Model Number		18. WASTE DISPOSAL (Check One)	
10. CALIBRATION OF INSTRUMENTS		Appendix J Form Attached; or	
Appendix D Procedures Followed for Survey Instruments; or _____ (Check One)		Equivalent Information Attached	
Equivalent Procedures Attached; and		19. THERAPEUTIC USE OF RADIOPHARMACEUTICALS (Check One)	
Appendix D Procedures Followed for Dose Calibrator; or _____ (Check One)		Appendix K Procedures Followed; or	
Equivalent Procedures Attached		Equivalent Procedures Attached	
11. FACILITIES AND EQUIPMENT		20. THERAPEUTIC USE OF SEALED SOURCES	
Description and Diagram Attached		Detailed Information Attached; and	
12. PERSONNEL TRAINING PROGRAM		Appendix L Procedures Followed; or _____ (Check One)	
Description of Training Attached		Equivalent Procedures Attached	
13. PROCEDURES FOR ORDERING AND RECEIVING RADIOACTIVE MATERIAL		21. PROCEDURES AND PRECAUTIONS FOR USE OF RADIOACTIVE GASES (e.g., Xenon - 133)	
Detailed Information Attached		Detailed Information Attached	
14. PROCEDURES FOR SAFELY OPENING PACKAGES CONTAINING RADIOACTIVE MATERIALS (Check One)		22. PROCEDURES AND PRECAUTIONS FOR USE OF RADIOACTIVE MATERIAL IN ANIMALS	
Appendix F Procedures Followed; or		Detailed Information Attached	
Equivalent Procedures Attached		23. PROCEDURES AND PRECAUTIONS FOR USE OF RADIOACTIVE MATERIAL SPECIFIED IN ITEM 6.b	
		Detailed Information Attached	

24. PERSONNEL MONITORING DEVICES

TYPE <small>(Check appropriate box)</small>		SUPPLIER	EXCHANGE FREQUENCY
a. WHOLE BODY	FILM		
	TLD		
	OTHER <i>(Specify)</i>		
b. FINGER	FILM		
	TLD		
	OTHER <i>(Specify)</i>		
c. WRIST	FILM		
	TLD		
	OTHER <i>(Specify)</i>		

d. OTHER *(Specify)*

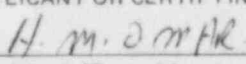
25. FOR PRIVATE PRACTICE APPLICANTS ONLY

a. HOSPITAL AGREEING TO ACCEPT PATIENTS CONTAINING RADIOACTIVE MATERIAL			
NAME OF HOSPITAL		b. ATTACH A COPY OF THE AGREEMENT LETTER SIGNED BY THE HOSPITAL ADMINISTRATOR.	
MAILING ADDRESS		c. WHEN REQUESTING THERAPY PROCEDURES, ATTACH A COPY OF RADIATION SAFETY PRECAUTIONS TO BE TAKEN AND LIST AVAILABLE RADIATION DETECTION INSTRUMENTS.	
CITY	STATE	ZIP CODE	

26. CERTIFICATE

(This item must be completed by applicant)

The applicant and any official executing this certificate on behalf of the applicant named in Item 1a certify that this application is prepared in conformity with Title 10, Code of Federal Regulation, Parts 30 and 35, and that all information contained herein, including any supplements attached hereto, is true and correct to the best of our knowledge and belief.

a. LICENSE FEE REQUIRED <i>(See Section 170.31, 10 CFR 170)</i>	b. APPLICANT OR CERTIFYING OFFICIAL <i>(Signature)</i> <div style="text-align: center; margin-top: 10px;">  </div>
	(1) NAME <i>(Type of Print)</i> HASSAN M. OMAR, Ph.D.
(1) LICENSE FEE CATEGORY: Exempt under 10 CFR 170.11 (a) (5).	(2) TITLE Radiation Safety Officer
(2) LICENSE FEE ENCLOSED: \$ _____	c. DATE September 24, 1984

PRIVACY ACT STATEMENT

Pursuant to 5 U.S.C. 552a(e)(3), enacted into law by section 3 of the Privacy Act of 1974 (Public Law 93-579), the following statement is furnished to individuals who supply information to the Nuclear Regulatory Commission on NRC Form 313M. This information is maintained in a system of records designated as NRC-3 and described at 40 Federal Register 45334 (October 1, 1975).

1. **AUTHORITY** Sections 81 and 161(b) of the Atomic Energy Act of 1954, as amended (42 U.S.C. 2111 and 2201(b)).
2. **PRINCIPAL PURPOSE(S)** The information is evaluated by the NRC staff pursuant to the criteria set forth in 10 CFR Parts 30-36 to determine whether the application meets the requirements of the Atomic Energy Act of 1954, as amended, and the Commission's regulations, for the issuance of a radioactive material license or amendment thereof.
3. **ROUTINE USES** The information may be used: (a) to provide records to State health departments for their information and use; and (b) to provide information to Federal, State, and local health officials and other persons in the event of incident or exposure, for their information, investigation, and protection of the public health and safety. The information may also be disclosed to appropriate Federal, State, and local agencies in the event that the information indicates a violation or potential violation of law and in the course of an administrative or judicial proceeding. In addition, this information may be transferred to an appropriate Federal, State, or local agency to the extent relevant and necessary for a NRC decision to an appropriate Federal agency to the extent relevant and necessary for that agency's decision about you. A copy of a license issued will routinely be placed in the NRC's Public Document Room, 1717 H Street, N.W., Washington, D.C.
4. **WHETHER DISCLOSURE IS MANDATORY OR VOLUNTARY AND EFFECT ON INDIVIDUAL OF NOT PROVIDING INFORMATION** Disclosure of the requested information is voluntary. If the requested information is not furnished, however, the application for radioactive material license, or amendment thereof, will not be processed.
5. **SYSTEM MANAGER(S) AND ADDRESS** Director, Division of Fuel Cycle and Material Safety, Office of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555.

ATTACHMENT A

- | | | |
|---|----------------------------------|--|
| 6. Byproduct, source, and/or special nuclear material | 7. Chemical and/or physical form | 8. Maximum amount that licensee may possess at any one time under this license |
|---|----------------------------------|--|

Condition

The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."

Licensed material shall be used by, or under the supervision of Murray L. Fields, M.D. or Alys H. Lipscomb, M.D.

F. Iodine 131	F. Any	F. 50 millicuries
G. Carbon 14	G. Any	G. 200 millicuries
H. Phosphorus 32	H. Any	H. 25 millicuries
I. Sulfur 35	I. Any	I. 25 millicuries
J. Hydrogen 3	J. Any	J. 700 millicuries
K. Iodine 125	K. Any	K. 100 millicuries
L. Chromium 51	L. Any	L. 25 millicuries

Authorized use

F. through L. In Vitro studies and tracer research on laboratory animals.

We are requesting to change the limits of the above items (8.F) through (8.L) to read as follows:

6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
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F. Iodine 131	F. Any	F. 100 millicuries
G. Carbon 14	G. Any	G. 800 millicuries
H. Phosphorus 32	H. Any	H. 100 millicuries
I. Sulfur 35	I. Any	I. 100 millicuries
J. Hydrogen 3	J. Any	J. 900 millicuries
K. Iodine 125	K. Any	K. 800 millicuries
L. Chromium 51	L. Any	L. 100 millicuries

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