

FORM NRC-313M (8-78) 10 CFR 35	U.S. NUCLEAR REGULATORY COMMISSION APPLICATION FOR MATERIALS LICENSE — MEDICAL	Approved: GAO R0557
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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 (<i>institution, firm, clinic, physician, etc.</i>) INCLUDE ZIP CODE Floro Miraldi, M.D. 3116 Fairmount Blvd. Cleveland Hts., OH 44118 TELEPHONE NO.: AREA CODE (216) 932 0855	1.b. STREET ADDRESS(ES) AT WHICH RADIOACTIVE MATERIAL WILL BE USED (<i>If different from 1.a.</i>) INCLUDE ZIP CODE Wadsworth Rittman Hospital 195 Wadsworth Rd. Wadsworth, OH 44281
2. PERSON TO CONTACT REGARDING THIS APPLICATION Floro Miraldi, M.D. 44118 3116 Fairmount Blvd.; Cleveland Hts., OH TELEPHONE NO.: AREA CODE (216) 444 3101	3. THIS IS AN APPLICATION FOR: (<i>Check appropriate item</i>) a. <input checked="" type="checkbox"/> NEW LICENSE b. <input type="checkbox"/> AMENDMENT TO LICENSE NO. _____ c. <input type="checkbox"/> RENEWAL OF LICENSE NO. _____
4. INDIVIDUAL USERS (<i>Name individuals who will use or directly supervise use of radioactive material. Complete Supplements A and B for each individual.</i>) Floro Miraldi, M.D. Abbas M. Rejali, M.D.	5. RADIATION SAFETY OFFICER (RSO) (<i>Name of person designated as radiation safety officer. If other than individual user, complete resume of training and experience as in Supplement A.</i>) Floro Miraldi, M.D. (RSO)

6.a. RADIOACTIVE MATERIAL FOR MEDICAL USE					
RADIOACTIVE MATERIAL LISTED IN:	ITEMS DESIRED "X"	MAXIMUM POSSESSION LIMITS (In millicuries)	ADDITIONAL ITEMS:	MARK ITEMS DESIRED "X"	MAXIMUM POSSESSION LIMITS (In millicuries)
10 CFR 31.11 FOR IN VITRO STUDIES			IODINE-131 AS IODIDE FOR TREATMENT OF HYPERTHYROIDISM		
10 CFR 35.100, SCHEDULE A, GROUP I	X	AS NEEDED	PHOSPHORUS-32 AS SOLUBLE PHOSPHATE FOR TREATMENT OF POLYCYTHEMIA VERA, LEUKEMIA AND BONE METASTASES		
10 CFR 35.100, SCHEDULE A, GROUP II	X	AS NEEDED	PHOSPHORUS-32 AS COLLOIDAL CHROMIC PHOSPHATE FOR INTRACAVITARY TREATMENT OF MALIGNANT EFFUSIONS.		
10 CFR 35.100, SCHEDULE A, GROUP III	X	2 curies	GOLD-198 AS COLLOID FOR INTRACAVITARY TREATMENT OF MALIGNANT EFFUSIONS.		
10 CFR 35.100, SCHEDULE A, GROUP IV		AS NEEDED	IODINE-131 AS IODIDE FOR TREATMENT OF THYROID CARCINOMA		
10 CFR 35.100, SCHEDULE A, GROUP V		AS NEEDED	XENON-133 AS GAS OR GAS IN SALINE FOR BLOOD FLOW STUDIES AND PULMONARY FUNCTION STUDIES.		
10 CFR 35.100, SCHEDULE A, GROUP VI					

6.b. RADIOACTIVE MATERIAL FOR USES NOT LISTED IN ITEM 6.a. (<i>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.</i>)			
ELEMENT AND MASS NUMBER	CHEMICAL AND/OR PHYSICAL FORM	MAXIMUM NUMBER OF MILLICURIES OF EACH FORM	DESCRIBE PURPOSE OF USE
<div style="border: 1px solid black; border-radius: 50%; width: 150px; height: 100px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <div style="text-align: left;"> 8002050354 hd 19pp </div> </div>			Control No. 02613

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: _____

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

24. PERSONNEL MONITORING DEVICES				
TYPE <small>(Check appropriate box)</small>			SUPPLIER	EXCHANGE FREQUENCY
a. WHOLE BODY	<input checked="" type="checkbox"/>	FILM	R.L. Landauer, Jr. and Company	Monthly
	<input type="checkbox"/>	TLD		
	<input type="checkbox"/>	OTHER <i>(Specify)</i>		
b. FINGER	<input type="checkbox"/>	FILM		
	<input checked="" type="checkbox"/>	TLD	R.L. Landauer, Jr. and Company	Monthly
	<input type="checkbox"/>	OTHER <i>(Specify)</i>		
c. WRIST	<input type="checkbox"/>	FILM		
	<input type="checkbox"/>	TLD		
	<input type="checkbox"/>	OTHER <i>(Specify)</i>		
d. OTHER <i>(Specify)</i>				

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				
CITY	STATE	ZIP CODE		
c. WHEN REQUESTING THERAPY PROCEDURES, ATTACH A COPY OF RADIATION SAFETY PRECAUTIONS TO BE TAKEN AND LIST AVAILABLE RADIATION DETECTION INSTRUMENTS.				

26. CERTIFICATE <small>(This item must be completed by applicant)</small>	
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 Regulations, 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 <small>(See Section 170.31, 10 CFR 170)</small>	b. APPLICANT OR CERTIFYING OFFICIAL <i>(Signature)</i> <div style="text-align: center; margin-top: 10px;"> (1) NAME <i>(Type of Print)</i> FLORO MIRALDI (2) TITLE </div>
(1) LICENSE FEE CATEGORY:	(2) TITLE
(2) LICENSE FEE ENCLOSED: \$ 460.00	c. DATE 12/7/79

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 Form NRC-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 or to an appropriate Federal agency to the extent relevant and necessary for that agency's decision about you. A copy of the 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.

ITEM 7

Medical Isotope Committee

This is a private practice license and Medical Isotope Committee is not formed.

ITEM 8

(a) Individual Users:

1. Floro Miraldi, M.D.: Please refer to license numbers 34-03749-08
34-17015-01
2. Abbas M. Rejali, M.D.: Please refer to license numbers 34-03749-08

(b) Radiation Safety Officer:

1. Floro Miraldi, M.D.: Please refer to license numbers 34-03749-08
34-17015-01

ITEM 8

November 23, 1979

APPENDIX C

ITEM 9: INSTRUMENTATION

1. Survey meters

- a. Manufacturer's name: Victoreen
 Manufacturer's model number: 470 A panoramic survey meter
 Number of instruments available: 1
 Minimum range: 0 mr/hr to 3 mr/hr
 Maximum range: 0 mr/hr to 10⁶ mr/hr
- b. Manufacturer's name: Victoreen
 Manufacturer's model number: 493 GM survey meter
 Number of instruments available: 1
 Minimum range 0 mr/hr to 0.5 mr/hr
 Maximum range 0 mr/hr to 50.0 mr/hr

2. Dose calibrator

Manufacturer's name: Nuclear Chicago
 Manufacturer's model number: Mediac dose calibrator
 Number of instruments available: 1

3. Diagnostic instruments

Type of Instrument	Manufacturer's Name	Model No.
LEM (low energy mobile) Camera OR Porta Camera II	Searle Radiographics General Electric	

4. Other

ITEM 9

November 23, 1979

ITEM 10

(a) Survey meter calibration:

In addition to the daily consistency check of the survey meters, they will be calibrated at least once a year and after any repairs made. Calibrations will be performed by Victoreen Corporations (License #34-486-4) or at the Radiation Physics Division by the Physicists at University Hospitals, Cleveland, OH (License #34-05469-01).

ITEM 10

November 23, 1979

ITEM 11

Facilities and equipment

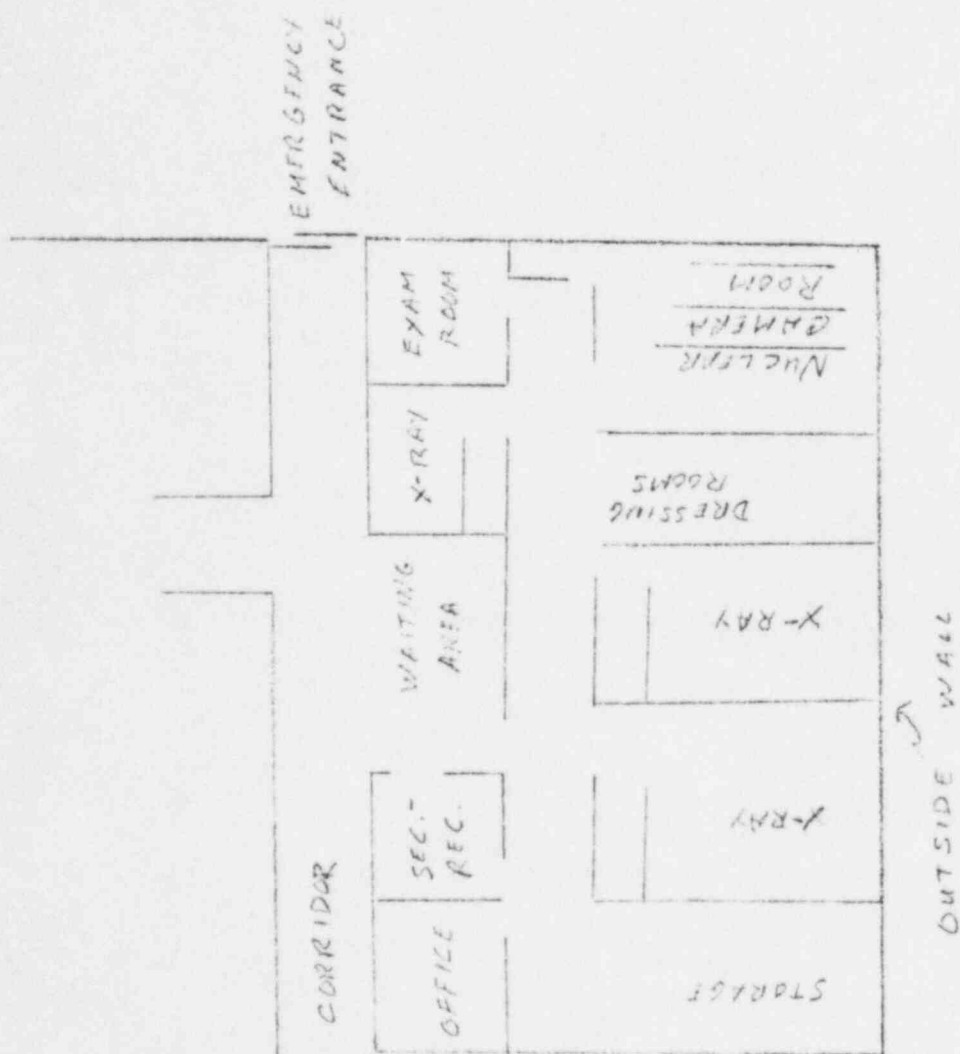
Facilities and equipment will include the following:

1. A van outfitted for the transportation of the nuclear cameras such as that sold by MDG Nuclear of Louisville, Kentucky or its equivalent.
2. A mobile gamma camera such as that manufactured by Searle Radiographics or General Electric as described under Item 9.
3. Survey meters described under Item 9.
4. Dose calibrator described under Item 9.
5. Tongs, forceps, gloves, lead-lined receiving and storage area, plastic lined wastebaskets for waste storage.
6. Area for preparation and measurements of isotopes.

The items in 2,3, and 5 above will be carried on the van. Special restraints and storage facilities are provided for all of these items. In addition, the van is equipped with two receptacles which are an integral part of the van for the carrying of the radiopharmaceuticals and waste products.

ITEM 11

November 23, 1979



WADSWORTH RITTMAN HOSPITAL

RADIOLOGY FLOOR PLAN

1/8" = 1'0"

ITEM 12

Personnel training program:

Personnel involved directly in the use and handling of radioactive materials are the physicians licensed to use the materials under this license and the nuclear medicine technologist in charge of the nuclear medicine laboratory. For the training of the positions, please refer to Item 8 of this application. For the training and experience of the nuclear medicine technologist, please refer to the supplement I of this application.

All other personnel including technical, clerical, housekeeping, and security who work with or in the vicinity of radioactive materials will receive proper instruction in the items specified in Section 19.12 of 10 CFR part 19.

Instruction will be in the form of lectures (1-2 hours) and distribution of materials regarding radiation health and safety by the Radiation Safety Officer or a qualified physicist.

Frequency of instruction will be at least once a year and whenever there is a change in personnel involved.

Materials covered in the instruction of personnel include:

1. Description of areas where radioactive materials are used or stored.
2. Potential hazards associated with radioactive materials.
3. Appropriate radiological safety procedures.
4. Pertinent Nuclear Regulatory Regulations.
5. Rules and regulations of the license and pertinent terms of the license.
6. Personnel obligations to report unsafe conditions.
7. Appropriate response to emergencies and unsafe conditions.
8. Personnel's right to be informed of the radiation exposure and Bio-assay results.
9. Location where the license is posted or made available and where notices, copies of pertinent regulations and copies of licenses and license conditions as required by 10 CFR part 19.

References for instruction include:

1. NCRP reports 32, 39, 48, 53, and 54.
2. All the pertinent NRC regulations.
3. NRC regulatory guides 8.13, 8.18, and the companion report Nureg - 0267.

The personnel will be properly instructed:

1. Before assuming duties with or in the vicinity of radioactive materials.
2. During annual refresher training.
3. Whenever there is a significant change in duties, regulations, or the terms of the license.

ITEM 13

Procedures for ordering and receiving radioactive materials:

Radioactive materials will be ordered only by the nuclear medicine technicians or by the nuclear physicians, F. Miraldi, M.D. and A. Rejali, M.D. All the items will be ordered from PharmacoNuclear, Cleveland, OH as individual doses. All the items will be delivered during regular working hours to the address listed in Item 1 of this application. All the radioactive items delivered will be received by the nuclear medicine technician or by either of the nuclear physicians, and all the materials will be stored in the properly shielded area in the van so that the radiation levels in unrestricted areas do not exceed the limits specified in Item 20-105 of 10 CFR part 20. The van will be locked when unattended to ensure that the materials are not moved by any unauthorized persons.

The nuclear medicine technician will keep all records of ordering, receiving, usage, and disposal of radioactive materials and keep up-to-date inventory of all items on hand to ensure the possession limits are not exceeded at any time.

ITEM 13

November 23, 1979

APPENDIX J

ITEM 18: WASTE DISPOSAL

1. Liquid waste will be disposed of (check as appropriate)

_____ By commercial waste disposal service (see also item 4 below).

X In the sanitary sewer system in accordance with §20.303 of 10 CFR Part 20.

_____ Other (specify): _____

2. Mo-99/Tc-99m generators will be (check as appropriate)

X Returned to the manufacturer for disposal.

_____ Held for decay until radiation levels, as measured with a low-level survey meter and with all shielding removed, have reached background levels. All radiation labels will be removed or obliterated and the generators disposed of as normal trash. (Note: This method of disposal may not be practical for generators containing long-lived radioactive contaminants.)

_____ Disposed of by commercial waste disposal service (see also item 4 below).

_____ Other (specify): _____

3. Other solid waste will be (check as appropriate)

X Held for decay until radiation levels, as measured with a low-level survey meter and with all shielding removed, have reached background levels. All radiation labels will be removed or obliterated and the waste will be disposed of in normal trash.

_____ Disposed of by commercial waste disposal service (see also item 4 below).

_____ Other (specify): _____

4. The commercial waste disposal service used will be

_____(Name)_____(City, State)

NRC/Agreement State License No. _____

NOTE: Liquid wastes will be stored for several halflives before disposing in the sanitary sewer system in accordance with section 20.303 of 10 CSF part 20.

SUPPLEMENT 1

Technician training:

Vito Salvo, ARRT:

X-ray training - Cleveland Metropolitan General, Cleveland, OH 44106

Nuclear Medicine training - Cleveland Metropolitan General
Cleveland, OH 44106

Special course in Nuclear Medicine Procedures sponsored by
General Electric in Milwaukee, WI

SUPPLEMENT 2

Additional information for Mobile Nuclear Medicine License:

The information supplied in this supplement are in direct answers to the specific list of items specific for Mobile Nuclear Medicine License as submitted to me by Mr. Michael LaMastra of the NRC. A copy of this list of items is attached. The Item number referred to in the following corresponds to the item number on the attached list.

ITEM 1

A completed application is enclosed.

ITEM 2

A physician will be on site at the time radiopharmaceuticals are administered. The physician will be one of the nuclear physicians, F. Miraldi, M.D. or Abbas Rejali, M.D., authorized under this license or the radiologist at the particular institution being serviced. At the present time, at the Wadsworth Rittman Hospital which is the first institution for which we are requesting licensing permission, the radiologist is Aris Franklin, M.D. who has specialty certification by the American Board of Radiology. Dr. Franklin has handled radioactive materials in his training and in previous employment positions. See supplement A for Dr. Aris Franklin.

ITEM 3

Attached is a statement from the hospital administrator specifying the intent to use our nuclear medicine service which implicitly grants us approval for use of radioactive materials at that institution.

ITEM 4

The nuclear medicine services which will be provided at each hospital are those authorized in groups 1, 2, and 3.

ITEM 5

All diagnostic instrumentation transported by van will be calibrated at each location of use prior to conducting nuclear medicine procedures.

ITEM 6

A contamination survey will be performed at each location of use following the completion of all procedures. All sources of licensed material and all detectable contamination will be removed.

ITEM 7

All radioactive material kept in the van will be stored in containers which are fastened to the van and made an integral part of the van. Access to the inside of the van will only be by key during transportation and also when the van is parked and unattended.

An inventory of all radioactive materials in the van will be taken daily. Inventory will consist of the amount ordered, received, used, disposed of, and on hand.

SUPPLEMENT 2
(continued)

ITEM 8

The nuclear medicine laboratory is not located at the hospital being serviced.

ITEM 9

We are not requesting the use of Xenon 133 at this time.

INFORMATION TO BE SUBMITTED FOR A MOBILE NUCLEAR MEDICINE LICENSE

Revised May 10, 1979

This is in reference to your request for information on how to acquire a mobile nuclear medicine license. Our current requirements for this license are as follows:

1. A complete application in accordance with the enclosed Medical Licensing Guide (Regulatory Guide 10.8).
2. Confirmation that a physician shall be on-site at the time that radio-pharmaceuticals are administered. The identity of this on-site physician must be included on your license application and this physician must have at least thirty (30) hours of training in basic radiological handling techniques. (See Supplement A of Form NRC-313M.)
3. A statement from each hospital administrator granting approval for use of radioactive material at his facilities.
4. A complete description of the services to be furnished at each hospital.
5. Verification that all diagnostic instrumentation transported by van shall be calibrated at each location of use prior to conducting nuclear medicine procedures.
6. Verification that a contamination survey will be performed at each location of use and that all sources of licensed material and all detectable contamination will be removed.
7. A description of the procedures for ensuring that radioactive materials, located in the van will be secured at all times.
8. If your nuclear medicine laboratory is located at a hospital, the hospital must have a separate license as required by Section 35.12(b) of Title 10, Code of Federal Regulations, Part 35.
9. Because of the radiation safety problems associated with the use of radioactive gases, xenon-133 has not been authorized for mobile nuclear medicine services. If you wish to request the use of xenon-133, then you are required to submit all the information requested in Appendix M of the Medical Licensing Guide for each location of use.

Enclosures:

1. Draft Medical Licensing Guide
2. Form NRC-313M
3. 10 CFR Parts 19, 20, 30, 35, and 170

TRAINING AND EXPERIENCE
AUTHORIZED USER OR RADIATION SAFETY OFFICER

1. NAME OF AUTHORIZED USER OR RADIATION SAFETY OFFICER

Aris W. Franklin, M.D.

2. STATE OR TERRITORY IN
WHICH LICENSED TO
PRACTICE MEDICINE

OHIO

3. CERTIFICATION

SPECIALTY BOARD
A

CATEGORY
B

MONTH AND YEAR CERTIFIED
C

RADIOLOGY

Diagnostic and Therapy

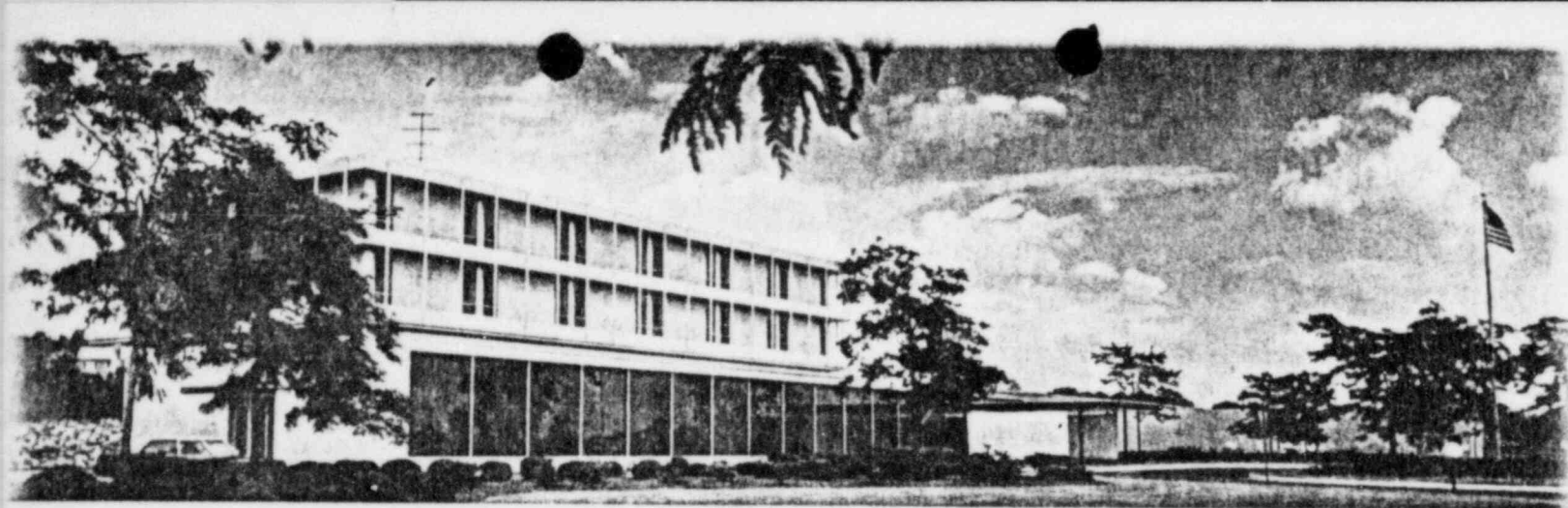
June, 1952

4. TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES

FIELD OF TRAINING A	LOCATION AND DATE(S) OF TRAINING B	TYPE AND LENGTH OF TRAINING	
		LECTURE/ LABORATORY COURSES (Hours) C	SUPERVISED LABORATORY EXPERIENCE (Hours) D
a. RADIATION PHYSICS AND INSTRUMENTATION	University Hospital Columbus, OH	30	200
b. RADIATION PROTECTION	Same	30	200
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	Same	20	
d. RADIATION BIOLOGY	Same	80	50
e. RADIOPHARMACEUTICAL CHEMISTRY	Same	40	50

5. EXPERIENCE WITH RADIATION. (Actual use of Radioisotopes or Equivalent Experience)

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
Au 198 Co 60 Phosphorus 32		University Hospital Columbus, OH	1 year	Clinical & Lab



July 12, 1979

Dr. F. Miraldi, M.D., Sc. D.,
University Hospital
University Circle,
Cleveland, Ohio 44106.

Dear Dr. Miraldi:

Pursuant to our recent discussion with our Joint Advisory Committee, we have decided to proceed with the offering of your Mobile Nuclear Medicine Services to the Wadsworth-Rittman Hospital Medical Staff.

The staff members will continue to have a choice between current referring facilities, as well as your unit. Reception by individual staff members to this proposal have been very favorable and we look forward to the initiation of these services.

I am sure there are other details to be reviewed and we can do this at your convenience.

Sincerely:
WADSWORTH-RITTMAN HOSPITAL

William R. Rundle,
Administrator.