

# APPLICATION FOR MATERIAL LICENSE

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

FEDERAL AGENCIES FILE APPLICATIONS WITH:

U.S. NUCLEAR REGULATORY COMMISSION  
DIVISION OF FUEL CYCLE AND MATERIAL SAFETY, NMSS  
WASHINGTON, DC 20555

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS, IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
NUCLEAR MATERIAL SECTION B  
631 PARK AVENUE  
KING OF PRUSSIA, PA 19406

ALABAMA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON, AND U.S. TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION II  
MATERIAL RADIATION PROTECTION SECTION  
101 MARIETTA STREET, SUITE 2900  
ATLANTA, GA 30333

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION III  
MATERIALS LICENSING SECTION  
790 ROOSEVELT ROAD  
GLEN ELLYN, IL 60137

ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
MATERIAL RADIATION PROTECTION SECTION  
611 RYAN PLAZA DRIVE, SUITE 1000  
ARLINGTON, TX 76011

ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON, AND U.S. TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION V  
MATERIAL RADIATION PROTECTION SECTION  
1450 MARIA LANE, SUITE 210  
WALNUT CREEK, CA 94596

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTION.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

- A. NEW LICENSE
- B. AMENDMENT TO LICENSE NUMBER
- C. RENEWAL OF LICENSE NUMBER #47-18080-01

2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip Code)

Stonewall Jackson Memorial Hospital  
Route 4, P.O. Box 10  
Weston, West Virginia 26452

3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED.

Same as 2.

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Linda T. Fink, Stan A. Huber Consultants, Inc., New Lenox, IL

TELEPHONE NUMBER

(815) 485-6161

SUBMIT ITEMS 5 THROUGH 11 ON 8 1/2" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL  
a. Element and mass number, b. chemical and/or physical form, and c. maximum amount which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS

9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM

11. WASTE MANAGEMENT.

12. LICENSEE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY 7C AMOUNT ENCLOSED \$ 580.00

13. CERTIFICATION (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, AND 40 AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948, 67 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

SIGNATURE—CERTIFYING OFFICER

TYPED/PRINTED NAME

TITLE

DATE

*T. Shaffer*

Dave Shaffer

Administrator

14. VOLUNTARY ECONOMIC DATA

A. ANNUAL RECEIPTS

< \$250K	\$1M - 3.5M
\$250K - 500K	\$3.5M - 7M
\$500K - 750K	\$7M - 10M
\$750K - 1M	> \$10M

B. NUMBER OF EMPLOYEES (Total for entire facility including outside contractors)

C. NUMBER OF BEDS

15. WOULD YOU BE WILLING TO FURNISH COST INFORMATION (Dollar and for 2000 hours) ON THE ECONOMIC IMPACT OF CURRENT NRC REGULATIONS OR ANY FUTURE PROPOSED NRC REGULATIONS THAT MAY AFFECT YOU? (NRC regulations permit it to protect confidential commercial or financial—proprietary—information furnished to the agency in confidence)

YES

NO

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	COMMENTS
Ren	Sept 7-11	7C	
AMOUNT PAID	CHECK NUMBER		
\$580	10955		

9002080355 890125  
REG2 LIC30  
47-18080-01 PDR

APPROVED BY

*M. Hussain*

DATE

*9/28/88*

REF: NRC 313 ITEM 5 AND 6

<u>ITEM 5 - BYPRODUCT MATERIAL</u>	<u>AMOUNT</u>	<u>ITEM 6 - PURPOSE</u>
A) MATERIAL IN 35.100	AS NEEDED	MEDICAL USE
B) MATERIAL IN 35.200	AS NEEDED	MEDICAL USE
C) MATERIAL IN 35.300	AS NEEDED	MEDICAL USE

REF. NRC 313 - ITEM 8  
PERSONNEL TRAINING PROGRAM

We will establish and implement the model training program that was published in Appendix A to Regulatory Guide 10.8, Revision 2.

REF: NRC 313 ITEM 9.2  
CALIBRATION OF SURVEY METERS

We have developed a survey instrument calibration procedure for your review that is appended as ATT 9.2.

REF: NRC 313 ITEM 9.3  
PROCEDURE FOR CALIBRATING DOSE CALIBRATOR

We have developed a dose calibrator calibration procedure for your review that is appended as ATT 9.3.

REF: NRC 313 ITEM 9.4  
PERSONNEL MONITORING

We will establish and implement the model personnel external exposure monitoring program published in Appendix D to Regulatory Guide 10.8, Revision 2.

REF: NRC 313 ITEM 9.5  
TRANSPORTING OF IMAGING EQUIPMENT

NOT APPLICABLE

REF: NRC 313 ITEM 10.1  
RADIATION SAFETY COMMITTEE

We will establish and implement the model procedures for establishing and operating a Radiation Safety Committee that was published in Appendix F to Regulatory Guide 10.8, Revision 2.

REF: NRC 313 ITEM 10.2  
ALARA

We will establish and implement the model ALARA program that was published in Appendix G to Regulatory Guide 10.8, Revision 2.

REF: NRC 313 ITEM 10.3  
LEAK TEST PROCEDURES

We have developed a leak test procedure for your review that is appended as ATT 10.3.

REF: NRC 313 ITEM 10.4  
SAFE USE OF RADIOACTIVE PHARMACEUTICALS

We will establish and implement the model safety rules published in Appendix I to Regulatory Guide 10.8, Revision 2.

REF: NRC 313 ITEM 10.5  
SPILL PROCEDURES

We will establish and implement the model spill procedures published in Appendix J to Regulatory Guide 10.8, Revision 2.

REF: NRC 313 ITEM 10.6  
ORDERING AND RECEIVING OF RADIOACTIVE MATERIALS

We will establish and implement the model guidance for ordering and receiving radioactive material that was published in Appendix K to Regulatory Guide 10.8, Revision 2.

REF: NRC 313 ITEM 10.7  
OPENING PACKAGES CONTAINING RADIOACTIVE MATERIALS

We will establish and implement the model procedure for opening packages that was published in Appendix L to Regulatory Guide 10.8, Revision 2.

REF: NRC 313 ITEM 10.8  
M.1 RECORDS OF UNIT DOSAGE USE

We will establish and implement the model procedure for a unit dosage record system that was published in Appendix M.1 to Regulatory Guide 10.8, Revision 2.

M.2 RECORDS OF MULTIDOSE VIAL USE

We will establish and implement the model procedure for a multidose vial record system that was published in Appendix M.2 to Regulatory Guide 10.8, Revision 2.

REF: NRC 313 ITEM 10.10  
MO-99 CONCENTRATION RECORDS

We will establish and implement the model procedure for measuring and recording molybdenum concentration that was published in Appendix M.3 to Regulatory Guide 10.8, Revision 2.

REF: NRC 313 ITEM 10.11  
IMPLANT SOURCE USE RECORDS

NOT APPLICABLE

REF: NRC 313 ITEM 10.12  
AREA SURVEY PROCEDURES

We will establish and implement the model procedure for area surveys that was published in Appendix N to Regulatory Guide 10.8, Revision 2.

REF: NRC 313 ITEM 10.13  
AIR CONCENTRATION CONTROL  
WORKER DOSE FROM AEROSOLS (Item 10.13.2)

We will collect spent aerosol in a shielded trap and, for reusable traps, monitor the trap effluent with an air contamination monitor that we will check regularly according to the manufacturer's instructions.

REF: NRC 313 ITEM 10.14  
RADIOPHARMACEUTICAL THERAPY

We will establish and implement the model procedure for radiation safety during radiopharmaceutical therapy that was published in Appendix P to Regulatory Guide 10.8, Revision 2.

REF: NRC 313 ITEM 10.15  
IMPLANT THERAPY

NOT APPLICABLE

REF: NRC 313 ITEM 11.1  
WASTE DISPOSAL

We will establish and implement the general guidance and model procedures for waste disposal that were published in Appendix R to Regulatory Guide 10.8, Revision 2.

ATT 7.1.1

AUTHORIZED USERS

<u>NAME</u>	<u>AUTHORIZED USES</u>
RADIATION SAFETY OFFICER	
Douglas G. Burnette, Jr., M.D.	Materials included in 35.100
	Materials included in 35.200
	Materials included in 35.205
	Materials included in 35.300

For training and experience, please reference this hospital's current license number

ATT 7.1.2

AUTHORIZED USERS

<u>NAME</u>	<u>AUTHORIZED USES</u>
John C. Turner, M.D.	Materials included in 35.100
	Materials included in 35.200
	Materials included in 35.205
	Materials included in 35.300

For training and experience, please reference this hospital's current license number

ATT 7.1.3

AUTHORIZED USERS

<u>NAME</u>	<u>AUTHORIZED USES</u>
Mark I. McClain, M.D.	Materials included in 35.100 Materials included in 35.200 Materials included in 35.205 Materials included in 35.300

For training and experience, please reference this hospital's current license number



ATT 7.1.4

AUTHORIZED USER

<u>NAME</u>	<u>AUTHORIZED USES</u>
Harry B. Kennedy Jr., M.D.	Materials included in 35.100 Materials included in 35.200 Materials included in 35.205 Materials included in 35.300

For training and experience, please reference this hospital's current license number

ATT 7.1.5

AUTHORIZED USER

<u>NAME</u>	<u>AUTHORIZED USES</u>
Douglas G. Burnette Jr., M.D.	Materials included in 35.100
	Materials included in 35.200
	Materials included in 35.205
	Materials included in 35.300

For training and experience, please reference this hospital's current license number

ATT 7.1.6

AUTHORIZED USER

<u>NAME</u>	<u>AUTHORIZED USES</u>
Robert J. Tallaksen, M.D.	Materials included in 35.100 Materials included in 35.200 Materials included in 35.205

For training and experience, please reference this hospital's current license number

ATT 7.1.7

AUTHORIZED USER

<u>NAME</u>	<u>AUTHORIZED USES</u>
Edward T. Downey Jr., D.O.	Materials included in 35.100 Materials included in 35.200 Materials included in 35.205

For training and experience, please reference this hospital's current license number

ATT 7.1.8

AUTHORIZED USER

<u>NAME</u>	<u>AUTHORIZED USES</u>
Gary D. Marano, M.D.	Materials included in 35.100 Materials included in 35.200 Materials included in 35.205 Materials included in 35.300

For training and experience, please reference this hospital's current license number

ATT 7.1.9

AUTHORIZED USER

<u>NAME</u>	<u>AUTHORIZED USES</u>
John Leon, M.D.	Materials included in 35.100
	Materials included in 35.200
	Materials included in 35.205
	materials included in 35.300

Attached to this application are the training and preceptor statements for Dr. Leon

ATT 8.1

WORKERS RECEIVING TRAINING AS STATED IN APPENDIX A:

Nuclear Medicine Personnel

Housekeeping Personnel

Security Personnel, who are responsible for the off-duty hour receipt of radioactive materials.

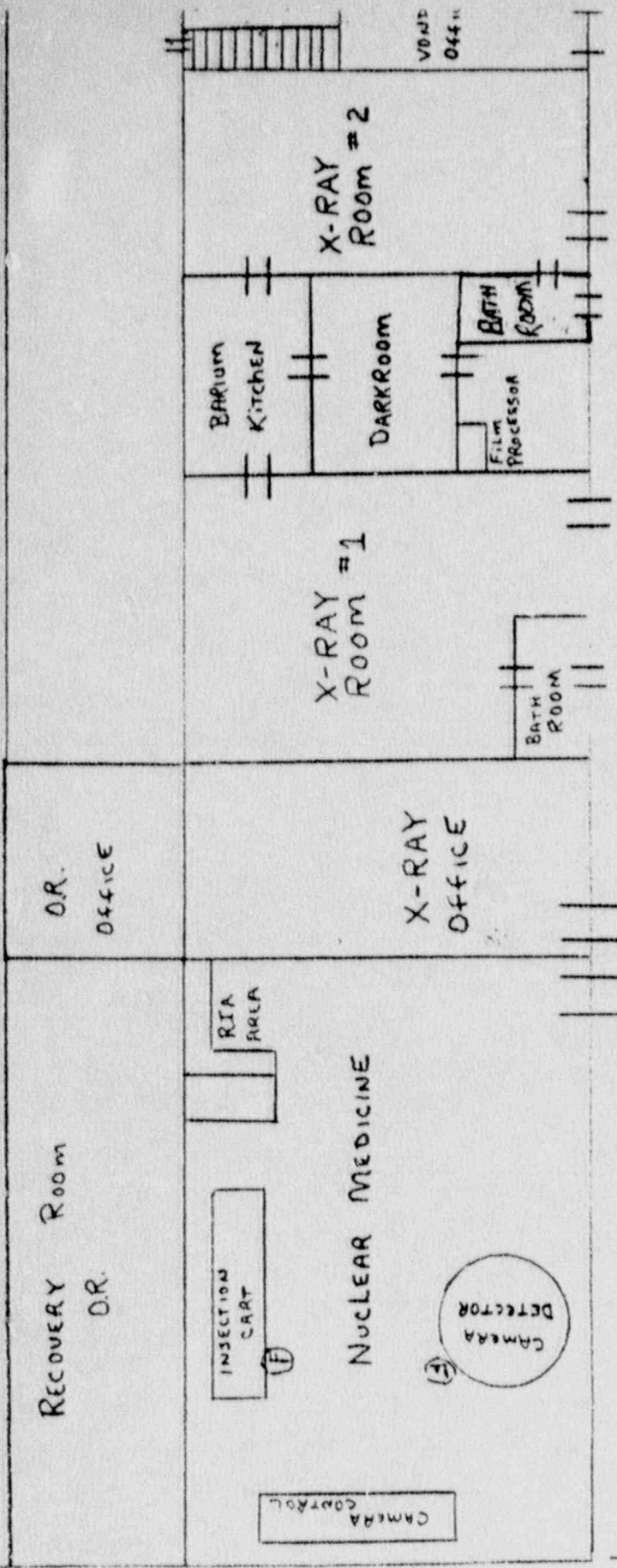
Training will be in the form of lectures, demonstrations, slide presentations, and written instructions.

ATT 9.1

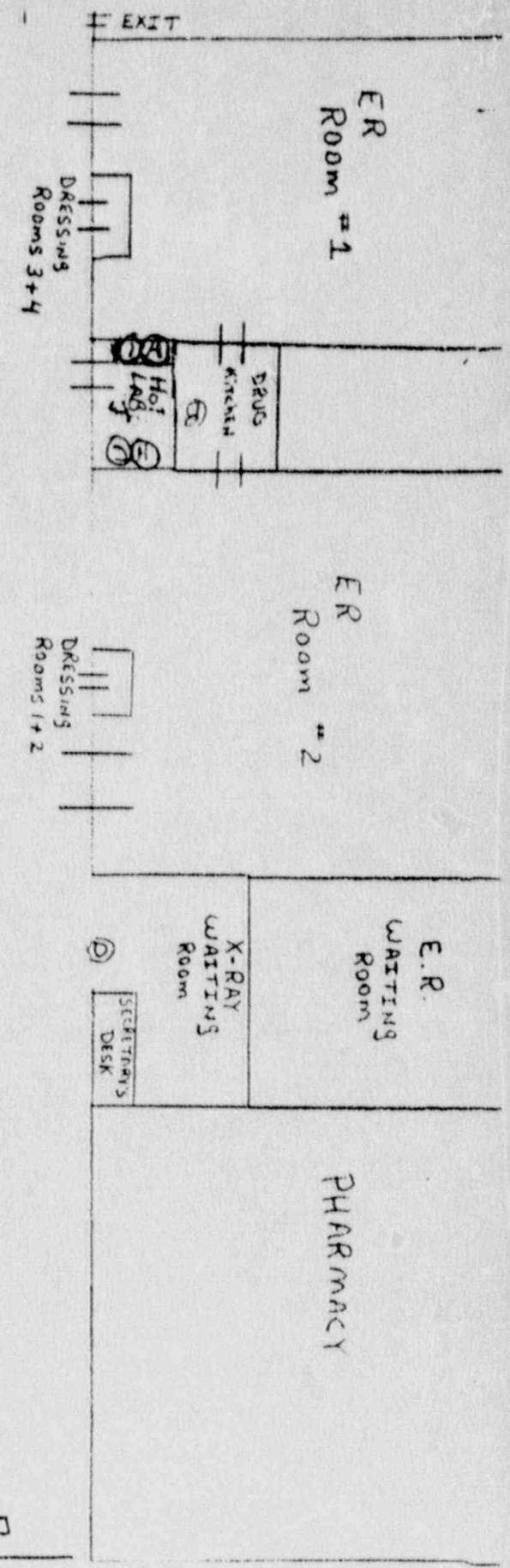
FACILITY SKETCH



① DECAY Building  
 ② Building 15 located in Lower Parking Lot outside of Boiler Room



ELEVATORS  
 HALLWAY DOORS  
 DOORS



ATT 9.2

CALIBRATION OF SURVEY METERS

Survey meters will be calibrated at least annually, and after repairs, by any firm that is approved by the NRC for such calibrations. Instruments will be calibrated on at least two (2) points on each scale range. Currently, our calibration service firm is Stan A. Huber Consultants, Inc., of New Lenox, IL, whose radiation sources and procedures are on file with the NRC under License #12-17503-01.

The licensee shall perform operational and constancy checks on survey instruments before each day's use to ensure proper functioning of the devices. For any infrequently used meters, these reference source operational checks shall be taken at least quarterly, per NRC Regulatory Guide 10.8, Revision 2, Appendix B, as well as after repairs and battery changes to assure constancy within  $\pm 20\%$  of expected readings.

ATT 9.3

PROCEDURE FOR CALIBRATING DOSE CALIBRATOR

We shall follow the calibration methods and frequencies for dose calibrators as defined in the NRC Regulatory Guide 10.8, Revision 2, Appendix C.

For the linearity test, we will test the dose calibrator over the range of its use between the highest dosage that will be administered to a patient and 10 uCi. For the accuracy test, Stan A. Huber Consultants, Inc., of New Lenox, IL (NRC License 12-17503-01), or other licensed calibration firm, will use the following sources under the authority of their NRC license:

Model NES-356, 200 microcuries of Cs-137 (high energy)

Model NES-352, 1 millicurie of Co-57 (low energy)  
(or other NRC approved Co-57 calibration sources of greater millicurie activity)

Model NES-358, 250 microcuries of Ba-133 (medium energy)  
(the minimum activities used for dose calibrator accuracy checks are 100 uCi each for Cs-137 and Ba-133, and 1 mCi for Co-57.)

We use a NEN Model NES-356, Cs-137 standard, 100 - 300 uCi, or any approved similar standard for our day of use dose calibrator constancy checks. Records of all tests and checks will be maintained.

We request use of the "Calicheck" (Calcorp) system or "Lineator" (Atomic Products) system as an alternate method of performing dose calibrator quarterly linearity checks. The product certifications for these devices are on file with the NRC.

ATT 10.3

We confirm that sealed sources will be stored in their original lead shielded containers. Any readings above background would indicate the need for additional shielding.

Leak testing of sealed sources will be performed on a semi-annual frequency. We will use the leak test services of Stan A. Huber Consultants, Inc., New Lenox, IL (NRC License # 12-17503-01), using their Model LT-2 (or Model LT-3 if applicable) Leak Test Kit for sealed sources, or other firm specifically authorized by the U.S. Nuclear Regulatory Commission to perform these tests.

## INSTRUMENTATION

### SURVEY METERS

One (1) Victoreen high level survey meter, Model 740-F  
Ranges: 0-25; 0-250; 0-2,500; 0-25,000 mR/hr

One (1) Eberline low level g.m. survey meter, Model E-120  
Ranges: 0-0.5; 0-5; 0-50 mR/hr

### DOSE CALIBRATOR

One (1) Squibb (Capintec) Model 6RC6A Dose Calibrator

### XENON SYSTEM

One (1) Xenalarm Xenon-133 gas trap monitor (Atomic Products Model 136-257)

One (1) Pulmonex Model 130-500 Xenon System

TRAINING AND EXPERIENCE  
AUTHORIZED USER OR RADIATION SAFETY OFFICER

1. NAME OF AUTHORIZED USER OR RADIATION SAFETY OFFICER John Anthony Leon, M.D.	2. STATE OR TERRITORY IN WHICH LICENSED TO PRACTICE MEDICINE W. Va.
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3. CERTIFICATION		
SPECIALTY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C
American Board of Radiology	Diagnostic Radiology with Special Competency in Nuclear Medicine	June, 1988

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	W. Va. University Hospital 1984 - 1988	200 hrs.	1 year 1984 - 1988
b. RADIATION PROTECTION	" " "	40 hrs.	"
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	" " "	25 hrs.	"
d. RADIATION BIOLOGY	" " "	25 hrs.	"
e. RADIOPHARMACEUTICAL CHEMISTRY	" " "	40 hrs.	"

5. EXPERIENCE WITH RADIATION. (Actual use of Radioisotopes or Equivalent Experience)				
ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
Tc-99m	1 Curie	W.V.U. Hospital	1 year	Dx
I-131	200 mCi	W.V.U. Hospital	1 year	Tx
Xe-133	20 mCi	W.V.U. Hospital	1 year	Dx
I-123	300 uCi	W.V.U. Hospital	1 year	Dx
Tl-201	2.2 mCi	W.V.U. Hospital	1 year	Dx
In-111	0.5 mCi	W.V.U. Hospital	1 year	Dx
Ga-67	6.6 mCi	W.V.U. Hospital	1 year	Dx
I-131	100 mCi	W.V.U. Hospital	1 year	Dx

PRECEPTOR STATEMENT

Supplement B must be completed by the applicant physician's preceptor. If more than one preceptor is necessary to document experience, obtain a separate statement from each.

1. APPLICANT PHYSICIAN'S NAME AND ADDRESS

FULL NAME  
John Anthony Leon, M.D.

STREET ADDRESS  
19 Pheasant Dr.

CITY STATE ZIP CODE  
FALLMONT, W. Va. 26554

KEY TO COLUMN C  
PERSONAL PARTICIPATION SHOULD CONSIST OF:

- 1-Supervised examination of patients to determine the suitability for radiisotope diagnosis and/or treatment and recommendation for prescribed dosage.
- 2-Collaboration in dose calibration and actual administration of dose to the patient including calculation of the radiation dose, related measurements and plotting of data.
- 3-Adequate period of training to enable physician to manage radioactive patients and follow patients through diagnosis and/or course of treatment.

2. CLINICAL TRAINING AND EXPERIENCE OF ABOVE NAMED PHYSICIAN

ISOTOPE A	CONDITIONS DIAGNOSED OR TREATED B	NUMBER OF CASES INVOLVING PERSONAL PARTICIPATION C	COMMENTS <i>(Additional information or comments may be submitted in duplicate on separate sheets.)</i> D
	DIAGNOSIS OF THYROID FUNCTION	62 (24 hr. uptake)	
	DETERMINATION OF BLOOD AND BLOOD PLASMA VOLUME		
I-131	LIVER FUNCTION STUDIES		I-123 Thyroid Imaging 127
I-125	FAT ABSORPTION STUDIES		I-131 Total Body Imaging 17
	KIDNEY FUNCTION STUDIES	250	
	IN VITRO STUDIES		
OTHER			
I-125	DETECTION OF THROMBOSIS		
I-131	THYROID IMAGING	27	
P-32	EYE TUMOR LOCALIZATION		
Sr-75	PANCREAS IMAGING		
Yt-169	CISTERNOGRAPHY		
Xe-133	BLOOD FLOW STUDIES AND PULMONARY FUNCTION STUDIES	131	
OTHER			
	BRAIN IMAGING	9	
	CARDIAC IMAGING	292	Cystogram 19
	THYROID IMAGING	91	Testicular 11
	SALIVARY GLAND IMAGING	3	G. I. Bleeding 29
Tc-99m	BLOOD POOL IMAGING		DTPA Renal 291
	PLACENTA LOCALIZATION		Venogram 90
	LIVER AND SPLEEN IMAGING	300	Hepatobiliary 160
	LUNG IMAGING	143	
	BONE IMAGING	398	
OTHER			

**PRECEPTOR STATEMENT (Continued)**

**2. CLINICAL TRAINING AND EXPERIENCE OF ABOVE NAMED PHYSICIAN (Continued)**

ISOTOPE A	CONDITIONS DIAGNOSED OR TREATED B	NUMBER OF CASES INVOLVING PERSONAL PARTICIPATION C	COMMENTS (Additional information or comments may be submitted in duplicate on separate sheet.) D
P-32 (Soluble)	TREATMENT OF POLYCYTHEMIA V/RA, LEUKEMIA, AND BONE METASTASES	6	
P-32 (Colloidal)	INTRACAVITARY TREATMENT		
I-131	TREATMENT OF THYROID CARCINOMA	10	
	TREATMENT OF HYPERTHYROIDISM	23	
Au-198	INTRACAVITARY TREATMENT		
Co-60 or Cs-137	INTERSTITIAL TREATMENT		
	INTRACAVITARY TREATMENT		
I-125 or Ir-192	INTERSTITIAL TREATMENT		
	TELE THERAPY TREATMENT		
Sr-90	TREATMENT OF EYE DISEASE		
	RADIOPHARMACEUTICAL PREPARATION		
Mo-99/ Tc-99m	GENERATOR	52	
Sn-113/ In-113m	GENERATOR		
Tc-99m	REAGENT KITS	250	
Other	Tl-201 Cardiac In-111 Cisternography Ga-67 Tumor Abscess	140 10 26	

**3. DATES AND TOTAL NUMBER OF HOURS RECEIVED IN CLINICAL RADIOISOTOPE TRAINING**

One year from 1984 - 1988. Including clinical experience of 40 hours per week full-time.

**4. THE TRAINING AND EXPERIENCE INDICATED ABOVE WAS OBTAINED UNDER THE SUPERVISION OF:**

a. NAME OF SUPERVISOR  
Orlando F. Gabriele, MD

b. NAME OF INSTITUTION  
W. Va. University Hospital

c. MAILING ADDRESS  
W V II Hospital

d. CITY  
Morgantown, West Virginia 26505

**5. PRECEPTOR'S SIGNATURE**



**7. PRECEPTOR'S NAME (Please type or print)**

Orlando F. Gabriele, M.D.

**8. DATE**

6/28/88

5. MATERIALS LICENSE NUMBER(S)  
47-23066-02