

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee		In accordance with letter dated October 2, 1996,	
1. Department of Veterans Affairs Medical Center		3. License number 36-01395-01 is amended in its entirety to read as follows:	
2. P.O. Box 1034 3710 S.W. U.S. Veterans Hospital Road Portland, Oregon 97207		4. Expiration date November 30, 2005	
		5. Docket or Reference No. 030-02935	
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	
A. Any byproduct material identified in 10 CFR 35.100	A. Any radiopharmaceutical identified in 10 CFR 35.100	A. As needed	
B. Any byproduct material identified in 10 CFR 35.200	B. Any radiopharmaceutical identified in 10 CFR 35.200	B. As needed	
C. Any byproduct material identified in 10 CFR 35.300	C. Any radiopharmaceutical identified in 10 CFR 35.300	C. 3.2 curies (no single container to exceed 210 millicuries)	
D. Any byproduct material identified in 10 CFR 35.400	D. Any brachytherapy source identified in 10 CFR 35.400	D. 100 curies	
E. Any byproduct material identified in 10 CFR 35.500	E. Sealed sources for diagnostic devices	E. 1.5 curies per source. Not to exceed 10 curies total.	
F. Iodine 125	F. Any	F. 200 millicuries	
G. Sulfur 35	G. Any	G. 95 millicuries	
H. Hydrogen 3	H. Any	H. 900 millicuries	
I. Carbon 14	I. Any	I. 95 millicuries	

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SUPPLEMENTARY SHEET

License Number

36-01395-01

Docket or Reference Number

030-02935

Amendment No. 94

(continued)

6. Byproduct, source, and/or
special nuclear
material7. Chemical and/or
physical form8. Maximum amount that
licensee may
possess at any one
time under this
license

J. Chlorine 36

J. Any

J. 20 millicuries

K. Zinc 65

K. Any

K. 20 millicuries

L. Cesium 137

L. Sealed sources
AMERSHAM/Technical
Operations Model
77032L. 165 millicuries per
source. Not to
exceed 500
millicuries total.

M. Sodium 24

M. Any

M. 10 millicuries

N. Phosphorus 32

N. Any

N. 60 millicuries

O. Phosphorus 33

O. Any

O. 30 millicuries

P. Calcium 45

P. Any

P. 20 millicuries

Q. Calcium 47

Q. Any

Q. 10 millicuries

R. Iodine 125

R. Any

R. 200 millicuries

S. Iron 59

S. Any

S. 30 millicuries

T. Rubidium 86

T. Any

T. 10 millicuries

U. Niobium 95

U. Any

U. 10 millicuries

V. Technetium 99m

V. Any

V. 500 millicuries

W. Ruthenium 103

W. Any

W. 10 millicuries

X. Iodine 131

X. Any

X. 50 millicuries

Y. Cerium 141

Y. Any

Y. 10 millicuries

Z. Mercury 203

Z. Any

Z. 10 millicuries

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(continued)

- | | | |
|---|--|--|
| 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 |
| AA. Radium-226 | AA. Sealed sources (North American Scientific, Inc. Model 3601) in ADAC Laboratories line source housings Models 2146-3436 and 2146-3440 | AA. 1.0 curie total. Not to exceed 300 millicuries per source housing. |

9. Authorized use:

- A. Medical use described in 10 CFR 35.100.
- B. Medical use described in 10 CFR 35.200.
- C. Medical use described in 10 CFR 35.300.
- D. Medical use described in 10 CFR 35.400.
- E. Medical use described in 10 CFR 35.500.
- F. through Z. Laboratory research, including research in laboratory animals. Research in humans as approved by the U.S. Food and Drug Administration (FDA), or by a Radioactive Drug Research Committee approved by the FDA. Instrument Calibration.
- AA. For use in Vantage Nonuniform Attenuation Correction System installed on nuclear medicine imaging equipment.

CONDITIONS

- 10. Licensed material shall be used only at the licensee's facilities located at the Department of Veterans Affairs Medical Center, 3710 Southwest U.S. Veterans Hospital Road, Buildings 5, 100 and 101, Portland, Oregon.
- 11. The Radiation Safety Officer for this license is William K. Tuttle, III, Ph.D.
- 12. A. The use of licensed material in or on humans shall be by a physician, dentist, or podiatrist as defined in 10 CFR 35.2.
- B. Physicians, dentists, or podiatrists designated to use licensed material in or on humans shall meet the training criteria established in 10 CFR Part 35 Subpart J and shall be designated by the licensee's Radiation Safety Committee.

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12. (Continued)

- C. Licensed material for other than human use shall be used by or under the supervision of individuals designated by the Radiation Safety Committee.
13. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
14. Any individuals involved in operations which utilize, at any one time, more than 100 millicuries of hydrogen 3 in a non-contained form, other than metallic foil, shall have bioassays performed within one week following a single operation and at weekly intervals for continuing operations.
15. The licensee is authorized to transport licensed material only in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
16. The licensee is authorized to transport the Norland Bone Mineral Analyzer containing a 200 millicurie iodine 125 source to and from the University of Oregon Medical School, Portland, Oregon provided the licensee complies with 10 CFR 71.5.
17. The licensee shall conduct a physical inventory every 3 months to account for all sources and/or devices received and possessed pursuant to 10 CFR 35.59, 10 CFR 35.400 and 10 CFR 35.500 and every 6 months for all other sources and/or devices.
18. Notwithstanding the requirements of 10 CFR 35.49(a) the licensee may receive licensed material authorized in 10 CFR 35.400 from the University of Oregon in accordance with the letter dated February 26, 1990.
19. A. Sealed sources and detector cells shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as specified by the certificate of registration referred to in 10 CFR 32.210.
- B. Notwithstanding Paragraph A of this Condition, sealed sources designed to emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.
- C. In the absence of a certificate from a transferor indicating that a leak test has been made within 6 months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.

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19. (Continued)

- D. Each sealed source fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to any use or transfer as a sealed source.
- E. Sealed sources need not be leak tested if:
- (i) they contain only hydrogen-3; or
 - (ii) they contain only a radioactive gas; or
 - (iii) the half-life of the isotope is 30 days or less; or
 - (iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or
 - (v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- F. The leak test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(b)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region IV, 611 Ryan Plaza Dr., Suite 400, Arlington, Texas, 76011, ATTN: Director, Division of Nuclear Materials Safety. The report shall specify the source involved, the test results, and corrective action taken.
- G. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically licensed by the Commission or an Agreement State to Perform such services.

20. The licensee is authorized to hold radioactive material with a physical half-life of less than 90 days for decay-in-storage before disposal in ordinary trash provided:

- A. Radioactive waste to be disposed of in this manner shall be held for decay a minimum of 10 half-lives.

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20. (Continued)

- B. Before disposal as ordinary trash, byproduct material shall be surveyed at the container surface with the appropriate survey meter set on its most sensitive scale and with no interposed shielding to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.
- C. A record of each disposal permitted under this License Condition shall be retained for three years. The record must include the date of disposal, the date on which the byproduct material was placed in storage, the radionuclides disposed, the survey instrument used, the background dose rate, the dose rate measured at the surface of each waste container, and the name of the individual who performed the disposal.

21. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below, except for minor changes in the medical use radiation safety procedures as provided in 10 CFR 35.31. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Letter dated February 26, 1990
B. Letter dated June 23, 1995
C. Letter dated September 8, 1995
D. Letter dated November 16, 1995
E. Facsimile dated November 28, 1995
F. Letter dated July 12, 1996
G. Letter dated August 23, 1996
H. Letter dated October 2, 1996
I. Facsimile dated October 31, 1996

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date NOV - 1 1996

By *James J. Montgomery*
Materials Branch
Region IV, WCFO
Walnut Creek, California 94596

(FOR LFMS USE)
INFORMATION FROM LTS

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

Program Code: 02120
Status Code: 0
Fee Category: EX 7C
Exp. Date: 20051130
Fee Comments:
Decom Fin Assur Req'd: Y

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: V. A. MEDICAL CTR.
Received Date: 961017
Docket No: 3002935
Control No.: 572422
License No.: 36-01395-01
Action Type: Amendment

2. FEE ATTACHED

Amount: _____
Check No.: _____

3. COMMENTS

Signed _____
Date _____

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /_/)

1. Fee Category and Amount: _____

2. Correct Fee Paid. Application may be processed for:

Amendment _____
Renewal _____
License _____

3. OTHER

Signed _____
Date _____



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV

Walnut Creek Field Office
1450 Maria Lane
Walnut Creek, California 94596-5368

NOV - 1 1996

Department of Veterans Affairs
Medical Center
ATTN: WM. Ted Galey, M.D.
Medical Center Director
P.O. Box 1034
3710 S.W. U.S. Veterans Hospital Road
Portland, Oregon 97207

SUBJECT: LICENSE AMENDMENT

Please find enclosed Amendment 94 to License No. 36-01395-01. You should review this license carefully and be sure that you understand all conditions. If you have any questions, you may contact the reviewer who signed your license at 510-975-0249.

NRC expects licensees to conduct their programs with meticulous attention to detail and a high standard of compliance. Because of the serious consequences to employees and the public which can result from failure to comply with NRC requirements, you must conduct your program involving radioactive materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers: Inspection and Investigations," 10 CFR Part 20, "Standard for Protection Against Radiation," and other applicable regulations.
2. Possess radioactive material only in the quantity and form indicated in your license.
3. Use radioactive material only for the purpose(s) indicated in your license.
4. Notify NRC in writing of any change in mailing address (no fee required if the location of radioactive material remains the same).
5. Request and obtain written NRC consent before transferring your license or any right thereunder, either voluntarily or involuntarily, directly or indirectly, through transfer of control of your license to any person or entity. A transfer of control of your license includes not only a total change of ownership, but also a change in the controlling interest in your company whether it is a corporation, partnership, or other entity. In addition, appropriate license amendments must be requested and obtained for any other planned changes in your facility or program that are contrary to your license or contrary to representations made in your license application, as well as supplemental correspondence thereto, which are incorporated into your license. A license fee may be charged for the amendments if you are not in a fee-exempt category.

6. Maintain in a single document decommissioning records that have been certified for completeness and accuracy listing all the following items applicable to the license:
 - Onsite areas designated or formerly designated as restricted areas as defined in 10 CFR 20.3(a)(14) or 20.1003.
 - Onsite areas, other than restricted areas, where radioactive materials in quantities greater than amounts listed in Appendix C to 10 CFR 20.1001-20.2401 have been used, possessed, or stored.
 - Onsite areas, other than restricted areas, where spills or other unusual occurrences involving the spread of contamination in and around the facility, equipment, or site have occurred that required reporting pursuant to 10 CFR 30.50(b)(1) or (b)(4), including areas where subsequent cleanup procedures have removed the contamination.
 - Specific locations and radionuclide contents of previous and current burial areas within the site, excluding radioactive material with half-lives of 10 days or less, depleted uranium used only for shielding or as penetrators in unused munitions, or sealed sources authorized for use at temporary job sites.
 - Location and description of all contaminated equipment involved in licensed operations that is to remain onsite after license termination.
7. Submit a complete renewal application with proper fee, or termination request at least 30 days before the expiration date on your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of radioactive material after your license expires is a violation of NRC regulations.
8. Request termination of your license if you plan to permanently discontinue activities involving radioactive material.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation; imposition of a civil

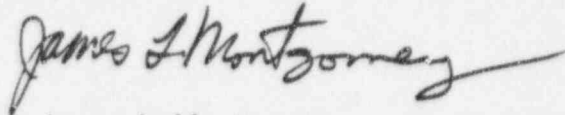
Department of Veterans Affairs
Medical Center

-3-

penalty; or an order suspending, modifying, or revoking your license as specified in the "General Statement of Policy and Procedure for NRC Enforcement Actions" (Enforcement Policy), 60 FR 34381, June 30, 1995.

Thank you for your cooperation.

Sincerely,

A handwritten signature in black ink, reading "James L. Montgomery". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

James L. Montgomery
Senior Health Physicist
Materials Branch

Docket: 030-02935
License: 36-01395-01
Control: 572422

Enclosures: As stated

Department of Veterans Affairs
Medical Center

-4-

bcc:

W. Tuttle, III, Ph.D., VAMC Portland

F. Herbig, Director, V.A.

E. Liedholdt, Western Region Program Manager, V.A.

Docket File

WCFO Inspection File

LFDCB, T-9 E10

State of Oregon (License Only)

DOCUMENT NAME: G:\572422

To receive copy of document, indicate in box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No copy

RIV:MB									
JLMontgomery	<i>Jim</i>								
11/ / 96									

OFFICIAL RECORD COPY

10/31/96

TELEPHONE OR VERBAL CONVERSATION
RECORD

TIME

☐ INCOMING CALL ☒ OUTGOING CALL ☐ VISIT

PERSON CALLING:

Jim Montgomery

OFFICE/ADDRESS:

PHONE NUMBER:

PERSON CALLED:

Bill Tuttle, RSO

OFFICE/ADDRESS:

VA Portland

PHONE NUMBER:

CONVERSATION

SUBJECT -

lic. amend.

SUMMARY -

- ① Daily surveys in Rm. 4A103 must be recorded.
- ② The weekly survey is a series of contam. swipes
- ③ Trng. must be in accordance w/ 19.12
- ④ agree to follow the procedures in your 6/23/95 renewal application.

Tuttle will FAX the above to WCFO.

REFERRED TO:

☐ ADVISE ME ON ACTION
TAKEN

ACTION REQUESTED:

INITIALS:

DATE:

ACTION TAKEN:

INITIALS:

DATE:

Veterans Affairs Medical Center

Vancouver, WA
Portland, OR

Engineering

VANCOUVER, WA
PORTLAND, ORTO: J. Montgomery - NPC, R/W, Walnut Creek DATE: 10-31-96FAX NUMBER: 510-975-0381SUBJECT: Information requested per use of material in 7A103MESSAGE: per your requestNUMBER OF PAGES (includes cover): 2FROM: W K Tuttle, PhD, RMD, Safety Officer, 138-RMD, VAMC PortlandOFFICE NUMBER: (503) 273-5076 OR FTS NUMBER: 424-5076 - PORTLAND, OR
(206) 698-1834 OR FTS NUMBER: 422-1406 - VANCOUVER, WATELEFAX: (503) 721-7822 OR FTS TELEFAX: 424-7822 - PORTLAND, OR
(206) 737-1406 OR FTS TELEFAX: 422-1406 - VANCOUVER, WA02503-293-
5391

This message is intended only for the use of the person or office to whom it is addressed and may contain information that is privileged, confidential or protected by law. These fax's are to be used only for official government business.

If you have received this communication in error or did not receive all pages, please notify us immediately by telephone to the above telephone number. Thank You.



**Department of Veterans Affairs
Medical Center
3710 Southwest U.S. Veterans Hospital Road
Portland OR 97207**

October 31, 1996

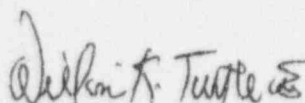
In Reply Refer To: 648/138-RAD

U.S. Nuclear Regulatory Commission, Region 4
Materials Licensing Branch
Walnut Creek Field Office
1450 Maria Lane
Walnut Creek, California 94596-5368

SUBJECT: Additional information in support of use of byproduct material in room 4A103 of building 100 for License #36-01395-01.

As per phone conversation with Mr. J. Montgomery on Oct 31, 1996, the following information is submitted. Use of byproduct material in room 4A103 will be in accordance with the policies, procedures and commitments made in our license renewal application dated June 23, 1995 as they apply to any nuclear medicine imaging room. This includes the recording of a daily meter survey of the room, the performance of a weekly removable contamination (i.e. wipe) survey, and the training of non-nuclear medicine personnel as "ancillary" workers. Should any non-nuclear medicine personnel be likely to receive in a year an occupational dose in excess of 100 mrem, they will be trained according to the requirements of 10 CFR 19.12.

Your prompt consideration in this matter which affects direct patient care is appreciated.


William K. Tuttle III, PhD
Radiation Safety Officer



DEPARTMENT OF VETERANS AFFAIRS
Medical Center
St Louis MO 63125

RECEIVED
RIV
96 OCT 28 PM 1:18

October 25, 1996

In Reply Refer To:

U.S. Nuclear Regulatory Commission
Region IV
Walnut Creek Field Office
1450 Maria Lane
Walnut Creek, CA 94596-5396

SUBJECT: NRC License No. 3601-01395-01

The enclosed correspondence from the Portland, Oregon VA Medical Center has been received and is forwarded to your office for processing. If there are questions, please contact the facility.

Please provide a copy of any correspondence relative to licensing actions for this Medical Center to:

Department of Veterans Affairs
Health Physics Programs (115HP)
915 North Grand Blvd.
St. Louis, MO 63106

Sincerely,

Cindy Bukowsky

for

Francis K. Herbig
Health Physics Programs



Department of Veterans Affairs
Medical Center
3710 Southwest U.S. Veterans Hospital Road
Portland OR 97207

8/23/96

In Reply Refer To: 648/138-RAD

U.S. Nuclear Regulatory Commission
Region IV
Walnut Creek Field Office
1450 Maria Lane
Walnut Creek, CA 94596-5368

THRU: Fran K. Herbig, National Health Physics Program (115HP), DVA, St. Louis, MO 63106

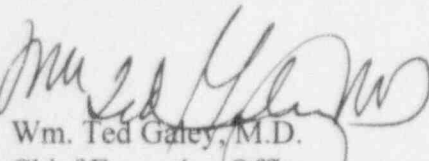
SUBJ: Minor changes in the Radiation Safety Program of VAMC Portland, License No. 36-01395-01

Dear Sirs:

This is to inform you of two minor changes in radiation safety procedures that are not potentially important to safety that were described in our application for license renewal. First, VA policy has us periodically update hospital memorandums. Thus, we took the opportunity to rewrite the policy establishing the Radiation Safety Committee (RSC). It is attached as MCM 138-28 and should be added to our license replacing the old hospital memorandum 11-48. MCM 138-28 incorporates establishment of the RSC into a broad memo describing the entire radiation safety program. The most significant change is the deletion of the laboratory representative as a committee member, and the addition of the Imaging Service Physicist as a committee member. Secondly, Dr. Paul Brown, Ph.D., Imaging Service Physicist is being appointed Chair of the RSC. A record of this appointment is being prepared by the Chief Executive Officer's office. The former Chair, Dr. J. V. Glowniak, M.D., Assistant Chief, Nuclear Medicine Service is no longer an employee of the Medical Center.

Normally we would record these changes as specified in 10 CFR 35.31, but in our license renewal you had asked us to specify the name of the Chair of the Radiation Safety Committee. Therefore, we are informing you of these changes.

Sincerely,



Wm. Ted Galey, M.D.
Chief Executive Officer

CC:

Michael C. Simmons, National Health Physics Program Manager (11R), Seattle VAMC, 1660
Columbian Way, Seattle, WA 98108

572422

AUG 23 1996

RADIATION SAFETY PROGRAM

1. PURPOSE:

- a. To establish policy for the safe use of ionizing radiation, including possession and use of radioactive material, as well as radiation-producing machines (x-ray), at this Medical Center.
- b. To outline relationships between Executive Management, the Radiation Safety Officer (RSO), and the Radiation Safety Committee (RSC).
- c. To describe the functions and responsibilities of the RSO.
- d. To describe the functions and responsibilities of the RSC.

2. POLICY:

- a. Policies are to be developed by the RSC and the RSO. These policies, along with the procedures implementing them, will be kept in a Radiation Safety Program Manual to be maintained in the RSO's office. Each affected Service will be given a copy of sections applicable to them. Copies of applicable policies and procedures will be given to Imaging Service and to Research Service as an operational, useful working manual.
- b. All proposals for the research, diagnostic, and therapeutic use of radioactive material will be evaluated by the RSC. The use of radioactive material at this Medical Center is not authorized without the approval of the RSC.
- c. All radiation producing equipment, its use, and its operating conditions shall be subject to the approval of the RSC.

3. RESPONSIBILITY:

- a. Executive Management, e.g., the Medical Center Director, the Associate Director, and the Chief of Staff, are ultimately responsible for the Radiation Safety Program. This includes the appointment of the RSO, and the establishment of the RSC.

AUG 23 1996

b. The RSO serves as the professional subject matter expert to Executive Management and the RSC. The RSO administers the Radiation Safety Program.

c. The RSC oversees the Radiation Safety Program with the assistance of the RSO.

d. Each user of radioactive material, (for diagnosis, therapy, or research), is required to obtain authorization from the RSC prior to beginning use. Once authorized, the user is responsible for its safe use, and for compliance with all applicable Medical Center, local, state, and federal regulations.

e. Each operator of an x-ray machine, especially a fluoroscopy device, is subject to requirements as the RSC deems appropriate, including, but not limited to, all applicable Medical Center and federal regulations.

4. AUTHORITY:

a. The RSO has authority to immediately terminate any unsafe practice or work activity, and to suspend or stop operations that are not in compliance with regulations or license conditions. Should such actions ever become necessary, the RSO will notify Executive Management and the Chairperson of the RSC prior to, or as soon as possible after, taking such action. The RSO will have access to all human use of, and research projects utilizing radioactive material or x-ray.

b. The RSC has the authority to approve or disapprove individuals' use of radioactive material and/or x-ray machines for medical diagnosis, medical therapy, medical research, general research, or instrument calibration and analysis.

5. PROCEDURES:

a. USE OF RADIOACTIVE MATERIAL: All requests, proposals, etc., for use of radioactive material will be submitted to the RSO using a form provided by his office. Additionally, if not already on file, a curriculum vitae (cv), and a training and experience form will be submitted. The paperwork submitted will then be reviewed by the RSO. If, in the opinion of the RSO, the request is for a usage already authorized by the RSC, he may approve the request and report approval at the next RSC meeting. In all cases, the paperwork and any RSO comments/evaluations/recommendations will be reviewed at the next RSC meeting.

AUG 23 1996

b. DUTIES OF THE RSO: The duties of the RSO include, but are not limited to, the following:

- (1) Investigating overexposures; accidents; spills; losses; thefts; unauthorized receipts, uses, and transfers; misadministrations; and other deviations from good radiation safety practice; and implementing corrective action as necessary.
- (2) Establishing, maintaining, and implementing policy and procedures for the Radiation Safety Program according to applicable regulations and his professional judgment.
- (3) Performing an annual review of the entire Radiation Safety Program to include examining for adherence to as low as reasonably achievable (ALARA) concepts.
- (4) Briefing Executive Management each year on the entire Radiation Safety Program.
- (5) Reviewing, at least quarterly, the external radiation doses of authorized users and workers to determine that their doses are ALARA. Preparing a summary report of this review for the RSC.
- (6) Reviewing, at least quarterly, the radiation surveys in unrestricted and restricted areas to determine that dose rates and amounts of contamination were at ALARA levels during the previous quarter. Preparing a summary report of this review for the RSC.
- (7) Establishing personnel exposure investigational levels that, when exceeded, will initiate a prompt investigation by the RSO of the cause, and consideration of actions that might be taken to reduce the probability of reoccurrence.
- (8) Approving or disapproving minor changes in the Radiation Safety Program with the advice and consent of Executive Management.
- (9) Scheduling briefings and educational sessions to inform authorized users, workers, and ancillary personnel who may be exposed to radiation of ALARA program efforts.

c. OPERATION OF THE RSC: The operation of the RSC will be as follows:

AUG 23 1996

(1) Membership:

Management Representative [Executive Manager or Designee] (00)
Radiation Safety Officer [Recorder] (138-RAD)
Nuclear Medicine Authorized User (114)
Research Service Authorized User (151)
OHSU Radiation Therapy Authorized User (L337, OHSU)
Staff Physician [Cardiologist preferred]
Staff Radiologist (114)
Imaging Service Physicist (114)
Nursing Service Representative (118)

The Chair will be designated by Executive Management.

(2) The RSC must meet quarterly, and can meet at the call of the Chair. The quarterly meeting will be held on the third Tuesday of the second month of the quarter at 9:15 AM, or as otherwise decided by the RSC. Minutes will be distributed and will be reviewed as designated by current Medical Center Policy. To establish a quorum and to conduct business, at least one half of the RSC's membership must be present including the management representative and the RSO.

(3) The minutes of each RSC meeting are to be written in a format consistent with Medical Center policy, and must include: The date of the meeting; members present; members absent; a summary of deliberations and discussion; recommended actions and the numerical results of all ballots; and ALARA program reviews.

(4) The RSC will support the RSO in those instances where it is necessary to take action. Where the RSO is overruled in matters of action, policy, or procedure, the RSC will clearly record the basis for this in their minutes.

d. DUTIES OF THE RSC: The duties of the RSC include, but are not limited to, the following:

(1) Reviewing recommendations on ways to maintain individual and collective doses ALARA.

AUG 23 1996

(2) Approving or disapproving any individual to work with radioactive material and/or radiation producing equipment (including physicians, scientists, and technologists) by reviewing their training and experience to determine if their qualifications enable them to perform their duties safely, in accordance with NRC and other applicable regulations, and in accordance with the conditions of any licenses.

(3) Recommending any remedial action to correct any deficiencies identified in the Radiation Safety Program.

(4) Reviewing quarterly, with the assistance of the RSO, a summary of the occupational dose records of all personnel working with radioactive materials and/or radiation producing devices.

(5) Reviewing quarterly, with the assistance of the RSO, all incidents involving radioactive materials with respect to cause and subsequent actions taken. Reviewing quarterly, with the assistance of the RSO and/or the Imaging Service Physicist, all incidents involving radiation producing equipment with respect to cause and subsequent actions taken.

(6) Reviewing annually, with the assistance of the RSO, the entire Radiation Safety Program to determine that all activities are being conducted in accordance with VA, NRC, EPA, OSHA, and any other applicable regulations and guidelines, and the conditions of any licenses. This review shall include an examination of all records and reports from the RSO, of results of annual audits and inspections, written safety procedures, and the adequacy of the institution's management control system.

(7) Reviewing and approving/disapproving all requests for use of radioactive material or radiation producing equipment.

(8) Prescribing special conditions that will be required for use of radioactive material or radiation producing equipment such as bioassays, training, credentialing, physical exams, and exposure monitoring procedures.

(9) Ensuring that the by-product license is amended, when necessary, prior to any changes in facilities, equipment, policies, procedures, and personnel as required by that license.

(10) Reviewing the annual x-ray machine survey and the corrective actions taken for any deficiencies found.

AUG 23 1996

6. REFERENCES:

VA Dept. of Medicine and Surgery Manual MP-2, Parts XI and XX.
10 CFR, Parts 19, 20, 35 (NRC)
29 CFR 1910.96 (OSHA)
40 CFR 61 (EPA)
49 CFR 171-178 (DOT)
Applicable FDA notices
33 USC § 1251 et seq (Clean Water Act)
42 USC § 7401 et seq (Clean Air Act)
42 USC § 3251 et seq (Resource Conservation and Recovery Act)
P.L. 102-386 (Federal Facilities Compliance Act of 1992)
NRC License Nos. 39-01395-01, -02

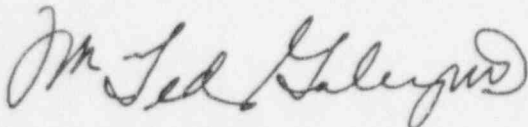
7. RESCISSION: Medical Center Memorandum 11-1, dated 2-23-95; 11-33, dated 4-28-94;
11-48, dated 11-15-94

8. CONCURRENCES:

Associate Director (001)
Chief, Imaging Service (114)
Chief, Research Service (151)
Chief, Quality Management Service (QM)
Chief, Engineering Service (138)
Radiation Safety Officer (138-RAD)

9. REVIEW DATE: AUG 23 1997

10. REPUBLISH DATE: AUG 23 1998



Wm. Ted Galey, M.D.
Medical Center Director



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV

Walnut Creek Field Office
1450 Maria Lane
Walnut Creek, California 94596-5368

OCT 18 1996

Department of Veterans Affairs
Medical Center
ATTN: Wm. Ted Galey, M.D.
Medical Center Director
3710 Southwest U.S. Veterans Hospital Rd.
Portland, Oregon 97207

SUBJECT: ACKNOWLEDGMENT OF REQUEST FOR LICENSING ACTION

REFERENCE: Letter dated October 2, 1996

We have completed the administrative review and initial processing of your application.

Please note that the technical review may identify additional omissions in the submitted information or technical issues that require additional information.

Amendment actions are normally processed within 90 days, unless the technical review identifies:

- Major technical deficiencies
- Policy issues that require input and coordination with other NRC Regional offices, Agreement State offices, or NRC's Office of Nuclear Materials and Safeguards

Any correspondence about this application should reference the Control number listed below.

Sincerely,

Beth A. Prange
Senior Health Physicist (Licensing)
Materials Branch

Docket No. 030-02935
License No. 36-01395-01
Control No. 572422

bcc:
Docket File

To receive a copy of this document, indicate in the box "C" - Copy without attachment/enclosure "E" - Copy with attachment/enclosure "N" - No Copy

OFFICE	RIV:AO:NMLB	N		N				
NAME	J. Garcia		B. Prange	<i>Bap</i>				
DATE	10/18/96		10/18/96					

Rec'd 10-17-96



Department of Veterans Affairs
Medical Center
3710 Southwest U.S. Veterans Hospital Road
Portland OR 97207

Amendment

OCT 02 1996

In Reply Refer To: 648/138-RAD

U.S. Nuclear Regulatory Commission, Region 4
Material Licensing Branch
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8064

SUBJ: License #36-01395-01 Amendment, reference number 030-02935

In order to provide better medical care to certain patients undergoing cardiac Nuclear Medicine studies, the VAMC Portland is requesting a license amendment authorizing possession and usage of radioactive materials in room 4A103, Bldg 100 of this medical center. This area is on the fourth floor of the hospital just south of the elevators. A drawing of the area is enclosed as attachment #1. By way of reference, the Nuclear Medicine clinic is on the second floor in the D area (i.e. two floors down on the northwest side of the elevator bank).

Each day of use, radioactive materials will be transported in a shielded container by either a Nuclear Medicine Technologist, or an authorized user from the Nuclear Medicine clinic to 4A103 just prior to injection. By the end of the workday, all injection materials and any other waste or contaminated material will be returned to the Nuclear Medicine clinic. There will be no overnight storage of radioactive material or radioactive waste in 4A103. Room 4A103 will be surveyed daily after use of radioactive material (not recorded), and will be added to the routine weekly survey (recorded). The area of use will be posted when radioactive materials are present. Non Nuclear Medicine staff occupying room 4A103 will be trained appropriately as ancillary workers.

Your consideration in this matter is appreciated.

WM. TED GALEY, M.D.

WM. TED GALEY, M.D.
Medical Center Director

Enclosure: Diagram

572422



Department of Veterans Affairs
Medical Center
3710 Southwest U.S. Veterans Hospital Road
Portland OR 97207

September 26, 1996

In Reply Refer To: 648/138-RAD

Fran K. Herbig, Director
National Health Physics Program (115HP)
Department of Veterans Affairs
915 North Grand Boulevard
St. Louis, MO 63106

SUBJ: License #36-01395-01 Amendment

Enclosed is the license amendment requesting authorization of possession and usage of radioactive materials in Room 4A103, Bldg 100 of the Medical Center.

Sincerely,

A handwritten signature in dark ink, appearing to read "William K. Tuttle, III", is written above the typed name.

William K. Tuttle, III, Ph.D.
Radiation Safety Officer



DEPARTMENT OF VETERANS AFFAIRS
Medical Center
St Louis MO 63125

RECEIVED
OCT 17 PM 1:48

October 9, 1996

In Reply Refer To:

U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8604



SUBJECT: NRC License No. 36-01395-01

The enclosed correspondence from the Portland, Oregon VA Medical Center has been received and is forwarded to your office for processing. If there are questions, please contact the facility.

Please provide a copy of any correspondence relative to licensing actions for this Medical Center to:

Department of Veterans Affairs
Health Physics Programs (115HP)
915 North Grand Blvd.
St. Louis, MO 63106

Sincerely,

for Cindy Butkusky

Francis K. Herbig
Health Physics Programs