



DEPARTMENT OF THE ARMY
WALTER REED ARMY MEDICAL CENTER
WASHINGTON, DC 20307-5001

MS16
P-7



REPLY TO
ATTENTION OF:

October 29, 1993

Health Physics Office

SUBJECT: Additional Information for Review of Renewal of U.S. Nuclear Regulatory Commission License No. 08-01738-02, mail control No. 117725

Nuclear Materials Safety Branch
Division of Radiation Safety and Safeguards
ATTENTION: Mr. Thomas K. Thompson
U.S. Nuclear Regulatory Commission, Region I
475 Allendale Road
King of Prussia, Pennsylvania 19406-1415

Information in this record was deleted
in accordance with the Freedom of Information
Act, exemptions 2
FOIA- 2006-0238

Dear Mr. Thompson:

In response to your letter of September 29, 1993, pertaining to the renewal of License No. 08-0738-02, Control No. 117725, the following additional information is provided:

1. The minimum requested information that is required of proposed users is detailed on the enclosed authorization application forms. (Enclosures 1-3)
2. The information indicated in Information Notice 90-09, Attachment 1 is provided at enclosure 4.
3. The minimum elements of our authorization audits are detailed in the Health Physics Office Standing Operating Procedure 1-26. (Enclosure 5) Performance of independent surveys was addressed in paragraph 1 of our September 9, 1993 letter.
4. The minimum information recorded for radiation safety training is date training was given, place, instructor, and names of attendees. The groups of workers who will receive training are listed at ATT 8.1 of original application.
5. Please change Item 10.2 of original application to read "We will establish and implement the model ALARA program in Appendix G to Regulatory Guide 10.8, Revision 2 except that paragraph 3.a.(3) is deleted".
6. Please change Item 10.5 of original application to read "We will establish and implement the model spill procedures in Appendix J to Regulatory Guide 10.8, Revision 2 except that the Alternate RSO will follow up on the cleanup of the spill and will attach an Incident Memorandum to the Contamination Survey."

OFFICIAL RECORD COPY ML 10

EX 2

~~ML050680369~~

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I hope you will find the above information sufficient to complete your processing of our application.

Enclosures
as


ARTHUR G. SAMELJAN
Lieutenant Colonel, U.S. Army
Chief, Health Physics Office

Emcl

**INSTRUCTIONS FOR PREPARATION OF APPLICATION
FOR AUTHORIZATION TO USE RADIOACTIVE MATERIAL (NON-HUMAN USE)**

WRAMC FORM 1662R (FEBRUARY 1979)

GENERAL INFORMATION

1. An applicant for an "Authorization to Use Radioactive Material (Non-Human Use)" should complete WRAMC Form 1662R in detail and submit in duplicate to the WRAMC Health Physics Office.
2. Application for gamma irradiators should include a copy of the proposed Standard Operating Procedures that will be implemented to assure personnel safety during routine operation and emergency situations.
3. All proposed locations where the applicant desires to use, store, or dispose of radioactive material should be coordinated with the Health Physics Office Reactor and Survey Branch prior to submission of the application in order to assure expeditious processing of the application. Submission of an incomplete application will often result in a delay in issuance of an authorization because of the correspondence necessary to obtain information requested on the application.

EXPLANATION OF WRAMC FORM 1662R (FEBRUARY 1979)

1. WRAMC Form 1662R is designed for use in supplying information on radioactive materials use programs of varying complexity. The applicant should provide complete information on his proposed program for the possession and use of radioactive material for those items that do not apply, indicate as N/A (not applicable).
2. Application for new authorizations and renewal of existing authorizations should be completed in their entirety. However, applications for amendment of existing authorizations may be completed as follows:
 - a. Complete items 1, 2, 3, 11, and 12.
 - b. For those items that do not require amendment indicate as N/C (no change).
 - c. For those items that require amendment indicate the proposed changes to the current authorization.
3. Explanation of WRAMC Form 1662R items:
 1. Self explanatory.
 2. The "Principal User" is the individual who bears ultimate responsibility for possession, inventory and implementation of the safety procedures necessary to assure the safe use of the materials specified in the application. He is directly responsible to the WRAMC Radiation Control Committee. Attach a completed WRAMC Form 1643 if a current copy is not on file with the Health Physics Office.
 3. The applicant's address should include organization, activity, building, room number, and reference or office symbol.
 4. A "Co-Worker" is an individual who possesses adequate training and experience with radioactive material to qualify him as a "Principal User". He works under the direction of and is responsible to the "Principal User" for the safe and proper use of the materials specified in the application. List all Co-Workers alphabetically by last name. Each Co-Worker should be identified as follows: Last name, first name, middle initial and grade. Attach a completed WRAMC Form 1643 for each Co-Worker if a current copy is not on file with the Health Physics Office.
 5. A "Trainee" is an individual who works under the direct supervision of a Principal User or Co-Worker for the purpose of obtaining the necessary training and experience to qualify for either status. List all trainees alphabetically by last name. Each Trainee should be identified as follows: Last name, first name, middle initial and grade.
 6. A "Technician" is an individual who works under the direct supervision of a Principal User or Co-Worker for the purpose of performing certain routine duties associated with use of materials specified in the application. He does not possess suitable training and experience to be classified as a Principal User or Co-Worker, and is not undergoing training that would qualify him to attain either status. List all Technicians alphabetically by last name. Each Technician should be identified as follows: Last name, first name, middle initial and grade.
 - 7-9. Self explanatory.
 - 10a. List radioisotopes by ascending mass number, i.e., the isotope with the smallest mass number is placed at the top of the column and the isotope with the greatest mass number is placed at the bottom of the column.
 - 10b. In addition to the chemical form of the radioisotope indicate whether it is in solid or liquid or gaseous form and whether it is a sealed or unsealed source. In order for radioactive material to qualify as a "sealed source" the radioactive source must be sealed in an impervious container which has sufficient mechanical strength to prevent contact with and dispersion of the radioactive material under the conditions of use and wear for which it was designed.
 - 10c. State the maximum millicurie amount of each chemical form of the radioisotope that must be kept in the inventory in order to satisfy mission requirements.
 - 10b. State the intended use of each chemical form of the radioisotopes listed in Column 10a.
 - 11-12. Self explanatory.

APPLICATION FOR AUTHORIZATION TO USE RADIOACTIVE MATERIAL -- NON-HUMAN USE

1. APPLICATION FOR:	NEW AUTHORIZATION	RENEWAL OF AUTHORIZATION NUMBER	AMENDMENT TO AUTHORIZATION NUMBER
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2. APPLICANT'S NAME (Last, First, MI) (Principal User)	3. APPLICANT'S MAILING ADDRESS (Include Organization)
TELEPHONE NUMBER	

(IF MORE SPACE IS NEEDED FOR ANY ITEM, USE ADDITIONAL PROPERLY KEYED PAGES.)

a. List all CO-WORKERS	b. List all TRAINEES	c. List all TECHNICIANS

7. LOCATIONS WHERE MATERIAL WILL BE USED: (Building and Associated Rooms)

8. LOCATIONS WHERE MATERIAL WILL BE STORED: (Building and Associated Rooms)

9. RADIOACTIVE WASTE DISPOSAL SINK IN ROOM:

D. RADIOACTIVE MATERIAL DATA

A. RADIOISOTOPE	B. CHEMICAL AND/OR PHYSICAL FORM <i>(Sealed or Unsealed)</i>	C. POSSESSION LIMIT	D. USE

CERTIFICATE

(This item must be completed by applicant)

I certify that this application is prepared in conformity with WRAMC Regulations and that all information contained herein, including any supplements attached hereto, is true and correct to the best of my knowledge and belief.

11. I ACKNOWLEDGE MY RESPONSIBILITIES AS PRINCIPAL USER AS DEFINED IN WRAMC REGULATIONS.	12. ADMINISTRATIVE APPROVAL:
_____ DATE <i>(Signature of Principal User)</i>	_____ DATE <i>(Signature of Chief of Sec. Dept. or Div.)</i>

WRAMC RADIATION CONTROL COMMITTEE APPROVAL

APPROVED	APPROVED	AUTHORIZATION NO.:
HEALTH PHYSICS OFFICER, WRAMC	CHAIRPERSON SUBCOMMITTEE FOR NON-HUMAN USE: RADIATION CONTROL COMMITTEE, WRAMC	REVIEW DATE:

**TRAINING AND EXPERIENCE
OF AUTHORIZED RADIOISOTOPE USERS**

1. NAME OF AUTHORIZED USER (Last, First, MI)				2. STATE OR TERRITORY IN WHICH LICENSED: (MD, DDS, DVM, etc.)	
RANK/GRADE	ORGANIZATION	ORGANIZATIONAL DIVISION	BLOG./ROOM NO.	WRAMC AUTHORIZATION NO.	

3. CERTIFICATION

SPECIALTY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C

4. FORMAL EDUCATION HIGHEST ACADEMIC DEGREE ATTAINED		
Higher Educational Institutions Attended	Type of Program Pursued and Dates of Attendance	Degree, Diploma or Certificate Received and Date
a. _____	_____	_____
b. _____	_____	_____
c. _____	_____	_____
d. _____	_____	_____

5. TRAINING RECEIVED IN BASIS RADIOISOTOPE HANDLING TECHNIQUES

FIELD OF TRAINING A	LOCATION AND DATE(S) OF TRAINING (Include course title if known) B	TYPE AND LENGTH OF TRAINING	
		LECTURE/ LABORATORY COURSES (Hours) C	SUPERVISED LABORATORY EXPERIENCE (Hours) D
a. RADIATION PHYSICS AND INSTRUMENTATION			
b. RADIATION PROTECTION			
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY			
d. RADIATION BIOLOGY			
e. RADIOPHARMACEUTICAL CHEMISTRY			

6. EXPERIENCE WITH RADIATION (Actual use of Radioisotopes) (Sealed or unsealed source)

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE

7. EXPERIENCE WITH RADIATION PRODUCING DEVICES (X-ray, Irradiators, etc.)

DEVICE	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE

8. CERTIFICATION:

I certify that the information provided hereon is true and complete to the best of my knowledge.

(Date Signed)

(Applicant)

HEALTH PHYSICS RADIOACTIVE PROTO

a. Principal User	b. Telephone Number	c. Authorization Number
d. Coworkers	e. Trainees	f. Technicians
g. Radioisotope(s)	h. Physical/Chemical Form	i. Maximum Quantity per Experiment (mCi)
j. Title of Project		
k. Beginning Date	l. Ending Date	m. Repetitive Study Yes <input type="checkbox"/> No <input type="checkbox"/>

n. Life Cycle of Radioisotope Utilized for Research Procedure (Use block/flow diagram to show what, how, where, how much isotope is used from receipt to disposal; emphasize major steps (incubate over night, run gel, autoradiography, etc.), including kinds and volumes of waste generated.)

o. Labeling and Transport of Radioactive Material: All radioactive solutions, tissues, animals and waste will be identified by proper labels. Transport of radioactive material between authorized work areas will be conducted in a manner that precludes the spread of contamination and inadvertent exposure of non-participating personnel.

p. Laboratory Animal Page: None If yes, complete following:

Species: _____ Room: _____ Bldg: _____
 Disposition of animals: _____

q. Isotope Utilization Locations:

	(1)	(2)	(3)	(4)	(5)
Building					
Room					
Maximum Amount (mCi)					

r. Maximum Amount in Possession (mCi)

	Bldg	Room	Maximum Amt (mCi)

s. Isotope Storage Location(s)

t. Waste Storage Location(s)

u. Animal/Tissue Storage Location

v. All radioactive waste will be transferred to the Health Physics Office in accordance with Health Physics Condition No. 4.

w. All room surveys will be conducted in accordance with Health Physics Condition No. 2.

x. Personnel Dosimetry will be requested in accordance with Health Physics Condition No. 1. Assigned dosimetry monitors will be worn by all participating personnel.

Whole Body TLD Ring

y. Are there any significant "NON-RADIATION" personnel hazards associated with this experiment; (Biological [Aids, etc.], Hazardous Chemicals [Toxic, Explosive, Corrosive etc.], Sharps, Lasers, Microwaves, electrical etc.) that may effect Health Physics personnel during routine inspections, surveys or waste handling procedures.
 If yes specify: _____ NO YES

The Research Protocol described above is designed to ensure that occupational radiation exposures and the release of radioactive effluents to the environment will be "as low as reasonably achievable" (ALARA) during all phases of the research procedure.

Printed Name and Signature _____
 of Principal User: _____

Date: _____ Rank/GS grade _____

Title: _____

Telephone Number _____

INFORMATION NEEDED IN AN AMENDMENT REQUEST TO AUTHORIZE
EXTENDED INTERIM STORAGE OF LOW-LEVEL RADIOACTIVE WASTE
IN 90-09

1. Identification of Waste to be Stored:

- a. None
- b. H-3, 1.5 Ci; C-14, 0.2 Ci; 2,900 cubic feet in (380) 55-gallon drums.
- c. (1) C
(2) solid
(3) volume reduction
(4) none
- d. H-3, 200 mCi/yr, solid/dry; C-14, 30 mCi/yr, solid/dry; 440 cubic feet in (60) 55-gallon drums.
- e. None

2. Plans for Final Disposal:

- a. July 1994 for waste generated in Washington, DC and Maryland.
- b. Texas for DC waste in 1996 and the Appalachian Compact for MD waste in 2000.
- c. As soon as possible after site is available; 1-3 months.

3. Physical Description of Storage Area:

- a. See attachment 1.
- b. 500 drums, 60 drums/year.
- c. Maintained decommissioned reactor facility.
- d. Perimeter fence w/secured gate and secured brick and concrete building.
- e. Forced air circulation system. This system has provided adequate ventilation for our LLRW storage and processing facility for the past several years. The additional drums of solid, long waste containing H-3 and C-14 will not require modification to this system.
- f. The building has an alarm system, fire extinguishers, fire hydrant, and is inspected monthly by fire chief. The additional storage will not require additional safeguard systems or modifications to the existing systems.

Encl 4

g. The building has a heating and cooling system.

h. The building was designed and built as a reactor with low vulnerability to other hazards.

4. Packaging and Container Integrity:

a. Dry, solid waste compacted in steel, 55-gallon drums. No hazards to integrity of containers; indefinite storage life.

b. Weekly radiation and contamination surveys to include wipe samples and visual inspection.

c. Not applicable

5. Radiation Protection:

a. Area is currently used for LLRW storage and processing with proper posting, surveying, and monitoring. The extended interim storage of H-3 and C-14 will not present a significant radiation hazard nor a significant increase in personnel exposure. The current radiation safety and ALARA programs as described in the license application are adequate for this additional storage of H-3 and C-14.

b. none

c. The Walter Reed Army Medical Center (WRAMC) Emergency Preparedness Plan is activated by dialing (202) 576-3317. This is a central notification number for WRAMC police, fire, and emergency response. The extent of activation will be dependent upon the particular situation. The extended interim storage of H-3 and C-14 will not present significant hazards or risks.

d. The radionuclides requiring extended interim storage are H-3 and C-14. The activity of the radionuclides contained in each waste package received is recorded in a log as a drum is packed. When the drum is filled and sealed the total quantity of each radionuclide is recorded on the drum's identification label. This information is also recorded and maintained on an electronic data file.

6. Training:

a. Health physics technicians attend weekly, one hour professional training classes which cover all aspects of the radiation safety program. Health Physics Office standing operating procedures are reviewed and discussed in detail as part of the training program.

7. Financial Assurance: See attached Statement of Intent.

8. Emergency Preparedness: Not required; however, WRAMC has an Emergency Preparedness Plan.



DEPARTMENT OF THE ARMY
WALTER REED ARMY MEDICAL CENTER
WASHINGTON, DC 20307-5001



REPLY TO
ATTENTION OF:

Office of The
Commanding General

STATEMENT OF INTENT

1. I, Ronald R. Blanck, Commander of Walter Reed Army Medical Center, am the Official duly appointed by the Headquarters, Department of the Army, to represent my organization.
2. The Nuclear Regulatory Commission Licenses for which this Statement of Intent is being issued are:
 - (a) License Number 08-01738-02 (expiration date 30 Apr 93)
 - (b) License Number 08-01738-03 (expiration date 30 Nov 96)
3. The facilities for which this Statement of Intent is being issued are:
 - (a) Walter Reed Army Medical Center, Washington, District of Columbia;
 - (b) Walter Reed Army Medical Center, Forest Glen Section and Annex, Silver Springs, Maryland;
 - (c) Walter Reed Army Medical Center, Department of Pathology, Fort Meade, Maryland (U.S. Army Medical Laboratory);
 - (d) Walter Reed Army Institute of Research, Washington, District of Columbia;
 - (e) Walter Reed Army Institute of Research, Rickman Building, 13 Taft Court, Rockville, Maryland;
 - (f) Walter Reed Army Institute of Research, Gillette Building, 270 Research Center, 1413 Research Boulevard, Rockville, Maryland;
 - (g) Walter Reed Army Institute of Research Animal Holding Facility, Fort Meade, Maryland;
 - (h) U.S. Army Institute of Dental Research Facility, Fort Meade, Maryland;

4. In accordance with the requirements of 10 CFR 30.35, and in my capacity as the Commander of Walter Reed Army Medical Center, I am providing assurance that sufficient funds for decommissioning and disposal of stored radioactive waste will be obtained when necessary for the eventual decommissioning of WRAMC's NRC Licenses and disposal of stored radioactive waste.



Ronald R. Blanck
Major General, U.S. Army
Commander

HEALTH PHYSICS
WALTER REED ARMY MEDICAL CENTER
Washington, DC 20307-5001

HSHL-HP
SOP# 1-26

October 28, 1993

AUDIT OF RADIOACTIVE MATERIAL AUTHORIZATIONS

1. **GENERAL:** In accordance with AR 40-37 and 40-61, semiannual reviews of each WRAMC Radioactive Material Authorization must be performed. Site inspection of all authorized activities and work areas are reviewed in order to determine compliance with procedures, radioisotope possession limits, record keeping, and posting requirements.

2. **PURPOSE:** The purpose of this SOP is to:

a. Establish the review process used to audit an authorization.

b. Define the items to be audited and establish the criteria for acceptable compliance with Federal and WRAMC regulatory requirements.

c. List the documentation required.

3. **REQUIRED FORMS:**

a. The following forms must be used or reviewed when setting up, conducting, and/or following up on an audit of a Radioactive Material Authorization:

1. Memorandum: Health Physics Office "Audit of Radioactive Material" (Incl 1).

2. WRAMC Audit of Radioactive Material Form (Incl 2).

3. DA Form 3862: "Controlled Substances Stock Record" (Incl 3) or equivalent.

4. Authorization Program, Isotope Inventory Report Form (generated from the computer).

6. WRAMC Form 538 "Radiation Worker Briefing Card" (Incl 4).

7. Deficient Audit Form (Incl 5)

End 5

4. PREPARING FOR AUDIT:

a. Set up appointments with Principle Users (PU) by sending (or hand carrying) Memorandum from Health Physics Office "Audit of Radioactive Material". Audits should be scheduled in groups by location so the auditor can move from one audit to the next with a minimum of lost time. Most audits can be performed in 30 minutes, large authorizations may require more time and should be scheduled accordingly. Some rearranging will be necessary as PU's call to indicate conflicts with their schedules. The auditor should select a mutually agreeable time to reschedule when notified of a conflict.

b. Print a hard copy from the Authorization Program of the authorization you will be auditing, this will include:

- (1) Administrative data
- (2) Personnel and training dates
- (3) Rooms
- (4) Isotopes and limits authorized

c. Print Isotope Inventory Report Form from dBase Inventory data base, to list the isotope shipments received since the last audit and the isotopes still active from the previous audit. This will include the following information for each isotope shipment for the authorization requested:

- (1) HPO tag number
- (2) Chemical form
- (3) Date received
- (4) Original activity in millicuries
- (5) A blank to list new activity in millicuries
- (6) Last updated activity in millicuries
- (7) Vendor
- (8) Purchase order number
- (9) Call number
- (10) Remarks

d. Two copies of the Audit Form with a carbon are prepared so a signed copy can be left with the Principle User at the time of the audit.

e. The folder containing the previous inventory records for this authorization will be pulled from the HPO file.

5. **CONDUCTING AN AUDIT:** The material assembled in Item 4. b, c, d and e above will be taken by the auditor to the audit. The WRAMC "Audit of Radioactive Material" form will be used as a check list of the major areas of each authorization which need to be inspected. These are:

a. **DA Form 3862 (or equivalent) Inventory Records:** The authorizations inventory records will be compared to the "Isotope Inventory Report" (see item 4. c.) to ensure they include all shipments delivered to them by the HPO. Each entry in the inventory records shall contain: the isotope, the HPO tag number, date received, activity received, chemical form of compound, the activity used and disposed of, and the activity remaining. The "Isotope Inventory Report" will be completed at this time to show the new "updated activity" for each shipment. This form will be signed and dated at the bottom by the person providing the inventory information and will be used to update the inventory database at the HPO. It will remain on file as a permanent inventory record.

b. **Within limits:** The authorizations inventory records shall indicate a running balance of activity on hand for each isotope which is authorized. The PU is responsible for ensuring that the isotope limits of each isotope are not exceeded at any time and the auditor will check the running balance against the isotope limits listed on the computer generated copy of the authorization (see item 4. b. (4)).

c. **Inventory Control Officer:** The individual responsible for the inventory record keeping (PU or Technician).

d. **WRAMC Reg 40-10:** A copy must be available to radiation workers for information on the safe handling of radioactive material.

e. **WRAMC Authorization:** A copy of the approved authorization and any amendments must be maintained by the PU. At this time the computer generated copy of the information on the authorization (see item 4. b.) will be shown to the PU and any discrepancies clarified. Any changes which need to be made

in the authorization can be noted in items 11 or 12 on this form and it will be considered as an amendment request if signed by the PU.

f. General Provisions & Terms and Conditions: A copy must be maintained on file.

g. LSC - Source No. & Location: The location of any liquid scintillation counters with sealed source numbers will be noted.

h. WRAMC 538 "Radiation Worker Briefing Card": This form, required annually for each radiation worker, shall be requested if it has been determined that present records are not current (see item 4. f.).

i. Sink Log: A logbook listing amounts of radioactive material placed into the sanitary sewage system through a wash sink must be available for each wash sink on the authorization. Entries must be made at least monthly when no washes have been performed to indicate that fact. The monthly limit for wash sinks is 100 uCi.

j. Signs and Labels: Each controlled area shall be identified with the appropriate signs such that all employees and visitors who enter shall be informed of the pertinent requirements and procedures for the protection of themselves and fellow workers against internal and external exposure. The following areas and/or documents must be posted:

- (1) Wash Sinks
- (2) LSC
- (3) Entrance/Exit
- (4) NRC Form 3 (map)
- (5) Notice to Employees Letter
- (6) Parts 19&21 of 10CFR

k. Personnel Changes: Additions or deletions. The Audit Form can be used as a memo to make personnel changes if it is signed by the PU (no authorized representative can make amendments to the authorization).

October 28, 1993

1. **General Comments:** List pertinent information which should be communicated to the office such as: posting new equipment, renovations of labs, pregnant workers, computer changes, name changes, etc.

m. **Signature & Date of Principal User or Authorized Representative:** Signature of PU needed to amend the authorization.

6. **DEFICIENT AUDIT FORM:** Given if the authorization is being improperly maintained for any of the following reasons:

- a. Not maintaining correct inventory records.
- b. Not within possession limits.
- c. Failure to amend authorization to reflect changes in personnel, rooms, etc.
- d. Failure to adhere to proper work practices.



ARTHUR G. SAMILJAN
LTC, MS
Health Physics Officer

ESHL-H-EP (385-111)

MEMORANDUM FOR

SUBJECT: Health Physics Office Audit of Radioactive Material Inventory for
Authorization Number _____

1. This office is required to conduct periodic audits of the radioactive materials inventory for your Authorization.
2. You are scheduled to be audited on _____ at _____ hours. It is requested that the inventory officer for your Authorization be available to present inventory records and accompany the auditor during the inventory verification inspection.
3. If the date/time of the scheduled audit is not satisfactory, please contact Mr. David W. Burton, Chief, Radioactive Materials Control Branch, Telephone: 427-5104, to make alternate arrangements.

David W. Burton

DAVID W. BURTON
C, Radioactive Material Control Br.
Health Physics Office

Encl 5.1

NAME (Last, First, MI)

DUTY MAILING ADDRESS AND TELEPHONE NUMBER

As Principal User I have insured that the above named individual has received a briefing on the following subjects in accordance with Title 10 Code of Federal Regulations Part 19.

1. Walter Reed Army Medical Center's "NOTICE TO EMPLOYEES"
2. Form NRC-3
3. Title 10 Code of Federal Regulations Parts 19, 20 and 21.
4. Information concerning the storage, transfer and use of radioisotopes allowed under this authorization.
5. Authorization To Use Radioisotopes (WRAMC Form 1662R)
6. Hazards and protective measures associated with isotope usage.
7. Procedures for requesting a report of exposure to radiation.

DATE	PRINTED NAME AND SIGNATURE OF PRINCIPAL USER	AUTHORIZATION NUMBER

I have received and understand the above listed information.

DATE	SIGNATURE

WRAMC FORM 538
1 NOV 81

Enc 15.4

RADIATION WORKER BRIEFING

ESHHL-HP (385-11m)

MEMORANDUM FOR

SUBJECT: Isotope Audit of Authorization _____

1. On _____ an Isotope Audit of Authorization _____ was conducted by the Health Physics Office.

2. During the Audit, deficiencies were noted for the following reasons:

_____ Failure to maintain a central record of isotope receipt and usage.

_____ Isotope shipment delivered to authorization not noted on inventory records.

_____ Incorrect entries in the records in regards to the amounts of materials present.

_____ Not within possession limits.

_____ Failure to notify the Health Physics Office of changes in Authorization (MEMORANDUM stating Additions or Deletions) of personnel, rooms etc.

_____ Failure to adhere to all work practices as listed in WRAMC Regulation 40-10 and/or Authorization Terms and Conditions. Specifically: _____

3. Request receipt of a MEMO listing corrected deficiencies, and/or procedures which will ensure future compliance with regulations.

DAVID W. BURTON
Chief, Radioactive Material Branch
Health Physics Office

Encl 5.5