

MATERIALS LICENSE

Amendment No. 62

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, 39, 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

1. Department of the Army
Walter Reed Army Medical Center (WRAMC)
2. Washington, D.C. 20307-5001

- In accordance with letter dated April 8, 1992,
3. License number 08-01738-02 is amended in its entirety to read as follows:

4. Expiration date April 30, 1993

5. Docket or Reference No. 030-01317

6. Byproduct, source, and/or special nuclear material

A. Any byproduct material with atomic numbers 1-83

- B. Iodine 131
- C. Xenon 133
- D. Krypton 85
- E. Gold 198
- F. Phosphorus 32
- G. Carbon 14
- H. Iodine 125
- I. Iridium 192
- J. Chromium 51
- K. Sulfur 35
- L. Hydrogen 3
- M. Molybdenum 99

- N. Technetium 99m
- O. Strontium 90
- P. Cesium 137

- Q. Gadolinium 153
- R. Iodine 125

S. Iodine 125

T. Iodine 125

Information in this record was deleted in accordance with the Freedom of Information Act, exemptions 2 and 7.

File # 2006-0238

7. Chemical and/or physical form

A. Any

- B. Any
- C. Any
- D. Any
- E. Any
- F. Any
- G. Any
- H. Any
- I. Any
- J. Any
- K. Any
- L. Any
- M. Molybdenum 99/
Technetium 99m
Generators

- N. Any
- O. Sealed sources
- P. Sealed sources

- Q. Sealed sources
- R. Sealed sources
(Norland Inst. Co.,
Model 178A591A)
- S. Sealed sources
(3M Company seeds)
- T. Sealed sources
(AECL Models C235 or
C324, or Amersham Corp.
Model IMC.P2)

8. Maximum amount that licensee may possess at any one time under this license

A. 400 millicuries of each radionuclide with a total possession limit of 26 curies

- B. 2 curies
- C. 2 curies
- D. 1 curie
- E. 1 curie
- F. 2 curies
- G. 2 curies
- H. 1 curie

- J. 750 millicuries
- K. 1 curie
- L. 5 curies
- M. 23 curies

N. 23 curies

O.
P.

Q.
R. 400 millicuries

S. 500 millicuries

T. 4 sources, not to exceed 300 millicuries each

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

08-01738-02

Docket or Reference number

030-01317

Amendment No. 62

(Items 6., 7. & 8. 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
licenseU. Cesium 137
V. Cobalt 60
W. Americium 241
X. Americium 241U. Sealed sources
V. Sealed sources
W. Any
X. Sealed sourcesU.
V.
W. 100 microcuries
X. []Y. Nickel 63
Z. Iodine 129
AA. Thorium
BB. Uranium
CC. Uranium depleted in
Uranium 235
DD. Americium 241
EE. Cesium 137Y. Sealed sources and foils
Z. Sealed sources
AA. Any
BB. Any
CC. Plated MetalY. 1 curie
Z. 1 curie
AA. 5 kilograms
BB. 50 kilograms
CC. 400 kilograms

FF. Cesium 137

FF.

FF.

9. Authorized use

- A. through T. Medical research, diagnosis, and therapy; research and development as defined in 10 CFR 30.4.
- U. through Z. Research and development as defined in 10 CFR 30.4; teaching.
- AA. and BB. Teaching and laboratory research.
- CC. Shielding.
- DD. Standards and reference sources.
- EE. In an instruments. for calibration of
- FF. Instrument calibration.

CONDITIONS

10. Location of use: Walter Reed Army Medical Center, Washington, D. C.; WRAMC Forest Glen Section and Annex, Silver Spring, Maryland; Walter Reed Army Institute of Research Animal Holding Facility, Fort Meade, Maryland; U.S. Army Medical Laboratory, WRAMC Department of Pathology, Fort Meade, Maryland; and U.S. Army Institute of Dental Research Facility, Fort Meade, Maryland; Rickman Building, 13 Taft Court, Rockville, Maryland; Key West Research Center, 9620 Medical Center Drive, Rockville, Maryland.
11. Radiation Safety Officer: LTC Arthur G. Samiljan.

Ex 2

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number 08-01738-02

Docket or Reference number 030-01317

Amendment No. 62

(Continued)

CONDITIONS

12. A. Licensed material shall be used by, or under the supervision of, individuals designated by the licensee's Radiation Safety Committee, Col. Joan T. Zajtchuk, Chairman.
- B. The use of licensed material in or on humans shall be by a physician as defined in Section 35.2 of 10 CFR Part 35.
- C. Physicians designated to use licensed material in or on humans shall meet the training criteria established in 10 CFR Part 35, Subpart J.
13. Experimental animals administered licensed materials or their products shall not be used for human consumption.
14. In lieu of using the conventional radiation caution colors (magenta or purple on yellow background) as provided in Section 20.203(a)(1), of 10 CFR Part 20, the licensee is hereby authorized to label detector cells and cell baths, containing licensed material and used in gas chromatography devices, with conspicuously etched or stamped radiation caution symbols without a color requirement.
15. Detector cells containing a titanium tritide foil or a scandium tritide foil shall only be used in conjunction with a properly operating temperature control mechanism which prevents foil temperatures from exceeding that specified by the manufacturer.
16. Notwithstanding the requirements of 10 CFR 35.49 (a) and (b), the licensee may use for medical use any byproduct material or reagent kit for which the Food and Drug Administration has accepted a "Notice of Claimed Investigational Exemption for a New Drug" (IND).
17. The licensee may transport licensed material in accordance with the provisions of 10 CFR 71, "Packaging and Transportation of Radioactive Material."
18. If only a single radionuclide specified in NUREG 0767, is possessed, the possession limit is the quantity specified in Schedule of Limiting Possession Limits, NUREG-0767. If two or more radionuclides are possessed, the possession limit for each is determined as follows: the sum of the quotients of the quantities possessed divided by the quantities of those radionuclides specified in the Schedule of Limiting Possession Limits, NUREG-0767 shall not exceed unity.
19. 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.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

08-01738-02

Docket or Reference number

030-01317

Amendment No. 62

(19. continued)

CONDITIONS

- B. Before disposal as normal waste, radioactive waste shall be surveyed to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.
- C. Generator columns shall be segregated so that they may be monitored separately to ensure decay to background levels prior to disposal.
20. 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. 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. Application dated July 18, 1979
 - B. Letter dated January 13, 1984
 - C. Letter dated May 8, 1987
 - D. Letter dated March 16, 1988
 - E. Letter dated March 28, 1988
 - F. Application dated August 5, 1988
 - G. Letter dated September 23, 1988
 - H. Letter dated July 28, 1989
 - I. Letter dated September 12, 1989
 - J. Letter dated January 19, 1990
 - K. Letter dated July 16, 1990
 - L. Letter dated March 15, 1991
 - M. Letter dated July 11, 1991
 - N. Letter dated April 8, 1992
 - O. Letter dated August 4, 1992
 - P. Letter dated November 24, 1992

For the U.S. Nuclear Regulatory Commission

Original Signed By:
Pamela J. Henderson

By

Nuclear Materials Safety Branch
Region I
King of Prussia, Pennsylvania 19406

Date

APR 15 1993

APR 15 1993

License No. 08-01738-02
Docket No. 030-01317
Control No. 116472

Department of the Army
ATTN: Colonel Peter H. Myers
DASG-PSP-E
5109 Leesburg Pike
Falls Church, Virginia 22041-3258

Dear Colonel Myers:

Please find enclosed an amendment to your NRC Material License.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the Region I Material Licensing Section, (215) 337-5093, so that we can provide appropriate corrections and answers.

Please be advised that you must conduct your program involving licensed radioactive materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, please note the items in the enclosed, "Requirements for Materials Licensees."

Since serious consequences to employees and the public can result from failure to comply with NRC requirements, the NRC expects licensees to pay meticulous attention to detail and to achieve the high standard of compliance which the NRC expects of its licensees.

You will be periodically inspected by NRC. A fee may be charged for inspections in accordance with 10 CFR Part 170. Failure to conduct your program safely and in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in prompt and vigorous enforcement action against you. This could include issuance of a notice of violation, or in case of serious violations, an imposition of a civil penalty or an order suspending, modifying or revoking your license as specified in the General Policy and Procedures for NRC Enforcement Actions, 10 CFR Part 2, Appendix C.

Department of the Army

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We wish you success in operating a safe and effective licensed program.

Sincerely,

**Original Signed By:
Pamela J. Henderson**

Pamela J. Henderson
Nuclear Materials Safety Branch
Division of Radiation Safety
and Safeguards

Enclosures:

1. Amendment No. 62
2. Requirements for Materials Licensees
3. Guidelines for Decontamination of Facilities and
Equipment Prior to Release for Unrestricted
Use or Termination of Licenses for Byproduct, Source,
or Special Nuclear Material

cc:

Walter Reed Army Medical Center
ATTN: Radiation Safety Officer
Health Physics Office
2681 Linden Lane
Silver Spring, Maryland 20910



DRSS/RI
Henderson/mlb

4/12/93



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

MS 16
K-7



REPLY TO
ATTENTION OF:

24 November 1992

Health Physics Office

United States Nuclear Regulatory Commission
Attention: Chief, Medical Licensing Section
Division of Radiation Safety and Safeguards
475 Allendale Road
King of Prussia, Pennsylvania 19406-1415

Dear Ms. Jenny M. Johansen:

We provide the following information in reference to Mail Control No. 116472 and in response to your memo, dated 16 November 1992, requesting additional information concerning our dedicated iodine-131 therapy room.

As a matter of standing operating procedure, the dedicated therapy room, Room 7437, remains closed and locked when there are no iodine therapies. Only the Health Physics Office possesses a key to that room.

Decontamination limits for this room will be the restricted area action limits established in NRC Regulatory Guide 8.23, "Radiation Safety in Medical Institutions". Health Physics Office personnel will decontaminate the room below this level of removable contamination prior to admittance of an iodine-131 radiation therapy patient into Room 7437.

We hope that this information will satisfy your questions and permit you to grant our exemption to 10 CFR 35.315(a)(7). We appreciate your prompt attention to this matter.

Your point of contact for this matter is the undersigned at (301)-427-5104/5107.

Sincerely,

ARTHUR G. SAMILJAN
Lieutenant Colonel, US Army
Health Physics Officer

28 NOV 30 1992

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NOV 30 1992

NOV 16 1992

License No. 08-01738-02
Docket No. 030-01317
Control No. 116472

Department of the Army
ATTN: Lieutenant Commander Roy D. Quick, Jr.
Executive Officer
Walter Reed Army Medical Center
Washington, D.C. 20307-5001

Dear Lieutenant Commander Quick:

This is in reference to your request in a letter dated April 8, 1992 to amend License No. 08-01738-02. In order to continue our review, we need the following additional information:

Your request to receive an exemption to 10 CFR 35.315(a)(7), may be granted at such time as you provide the additional commitments/information described in 1 through 3 below. Please confirm/provide the following:

1. The door to the contaminated therapy room will remain closed and locked when the room is unoccupied.
2. The access to the unoccupied and locked room will be under the control of the Health Physics Office (HPO) at all times and can only be opened by HPO personnel.
3. The dedicated therapy room must be decontaminated, prior to use by any other therapy patient, by one of two methods described below (a or b):
 - a. Decontaminate based on the restricted area action level for removable surface contamination of 2,200 dpm/square centimeter as described in Regulatory Guide 8.23, "Radiation Safety Surveys at Medical Institutions".
 - b. Decontaminate based upon action levels determined to meet the following criteria:
 - i. No primary radiation protection standards will be exceeded (personal dose, member of the public dose or environmental release limits.); and

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ML 10

- ii. The action levels are determined to be ALARA based upon consideration of worker, environmental, and public exposures.

Submit a description of the procedures to be followed to determine these criteria are met.

We will continue our review upon receipt of this information. Please reply in duplicate to my attention at the Region I office and refer to Mail Control No. 116472. The reviewer for this licensing action is Pamela Henderson. If you have any technical questions regarding this deficiency letter please call the reviewer at (215) 337-6952.

If we do not receive a reply from you within 30 calendar days from the date of this letter, we shall assume that you do not wish to pursue your application.

Sincerely,

Original Signed By:
Thomas K. Thompson




Jenny M. Johansen, Chief
Medical Licensing Section
Division of Radiation Safety
and Safeguards

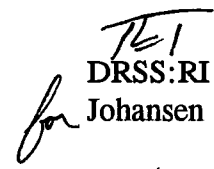
Enclosure: Regulatory Guide 8.23

bcc:

Department of the Army
Walter Reed Army Medical Center
ATTN: Radiation Safety Officer
Health Physics Office
2681 Linden Lane
Silver Spring, Maryland 20910

DRSS:RI 
Henderson/Pam;gc

11/13/92


DRSS:RI
Johansen

11/16/92



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SEP 24 1992

File
MS 20
K-7

MEMORANDUM FOR: Ronald R. Bellamy, Chief
Nuclear Materials Safety and Safeguards Branch, RI

FROM: John E. Glenn, Chief
Medical, Academic, and Commercial
Use Safety Branch
Division of Industrial and
Medical Nuclear Safety, NMSS

SUBJECT: TECHNICAL ASSISTANCE REQUEST DATED JUNE 10, 1992, RE:
AN AMENDMENT REQUEST FROM WALTER REED ARMY MEDICAL
CENTER, WASHINGTON, DC, LICENSE NO. 08-01738-02
(CONTROL NO. 116472)

This memorandum responds to a technical assistance request (TAR) dated June 10, 1992 (enclosed), regarding an amendment request from the Walter Reed Army Medical Center, Washington, DC. In a letter dated April 8, 1992, the licensee requested an exception to 10 CFR 35.315(a)(7) to allow dedication of a single patient room for radiopharmaceutical therapies without being required to decontaminate to the levels required for unrestricted occupancy and assignment to a non-therapy patient.

It is our understanding that the licensee does survey and decontaminate the patient room after release of each therapy patient, but restricts the room for use only by iodine therapy patients. The licensee therefore requests relief from the requirement of decontaminating the room to the level required to release it as an unrestricted area. If granted this practice would require an exemption from the requirements of 10 CFR 35.315(a)(7) because the regulation does not anticipate subsequent use of the room by therapy patients, and the required decontamination level of 200 disintegrations per minute (dpm) per 100 centimeters squared (cm) is for release of the room as an unrestricted area.

In the letter dated April 8, 1992, the licensee submitted procedures to ensure the safety of facility personnel who frequent the vicinity of a dedicated therapy patient room.

1. The licensee states that the door to the contaminated therapy room will remain closed and locked when the room is unoccupied.
2. The licensee states that access to the unoccupied and locked room will be under the control of the Health Physics Office (HPO) at all times and can only be opened by HPO personnel.
3. The licensee should be required to decontaminate the dedicated therapy room, prior to use by any other therapy patient, to the restricted area action level for removable surface contamination of 2,200 dpm/100 cm as described in Regulatory Guide 8.23, "Radiation Safety Surveys at Medical Institutions", or the licensee may be approved to decontaminate based

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REC'D IN LAS OCT. 02, 1992

Mr. Ronald R. Bellamy

- 2 -

upon action levels determined to meet the following criteria:

- a. No primary radiation protection standards will be exceeded (personal dose, member of the public dose or environmental release limits.); and
- b. The action levels are determined to be ALARA based upon a consideration of worker, environmental, and public exposures.

The licensee must describe the procedures to be followed to determine these criteria are met.

In summary, the licensee's request for an exemption (to be provided by a license amendment) from the requirements in 10 CFR 35.315(a)(7) may be granted at such time as the licensee provides the additional commitments including the decontamination level described in item 3 above.

Any questions regarding this information should be directed to Robert Ayres of this staff at (301) 504-3423.

John E. Glenn, Chief
Medical, Academic, and Commercial
Use Safety Branch
Division of Industrial and
Medical Nuclear Safety, NMSS

Enclosure:

TAR dtd 6/10/92

DISTRIBUTION: IMAB922

NRC File Center

JGreeves

DCollins, RII

JKinneman, RI

BPrange, RV

JPelchat, RII

JRicci, AEOD/TTC

JPiccone, IMAB

TAR r/f

IMNS Central File

JGrobe, RIII

PSwetland, RI

MLamastra

LJCallan, RIV

CCain, RIV

JJohansen, RI

JEGlenn

PCVacca

RJPate, RV

CHosey, RII

RFonner, OGC

VLMiller, GPA/SP

LWCamper, IMAB

FCombs, IMOB

RECunningham

RRBellamy, RI

MShanbacky, RI

GMMcCann, RIII

NMSS r/f

WFisher, RIV

BJHolt, RII

OFC :IMAB :IMAB :OGC :IMAB :IMOB

NAME :RAYres :LWCamper :STreby :JEGlenn :FCombs

DATE :09/09/92 :09/09/92 :09/10/92 :09/10/92 :09/11/92

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REQUEST FOR TECHNICAL ASSISTANCE

DATE: 6/10/92

TO: John E. Glenn, Chief, Medical, Academic, and Commercial
Use Safety Branch, NMSS

FROM: Ronald R. Bellamy *RRB* 6/10/92, Chief, Nuclear Materials Safety and
Safeguards Branch, Region I

LICENSEE: Walter Reed Army Medical Center

LICENSE NO.: 08-01738-02

X Control No. 116472 (enclosed)

X Letter dated April 8, 1992 (enclosed)

 Suggested change in licensing procedure (enclosed)

 Other (see remarks)

Problem/Issue: Walter Reed Army Medical Center (WRAMC) is requesting an exemption
from 10 CFR 35.315(a) (7) which requires that for each patient receiving radiopharmaceutical
therapy and hospitalized, a (Continued on attached sheet)

Action Required: _____

Alternatives Considered: _____

Recommended Alternative: Recommend that this exemption be granted with the
restrictions stated in their letter dated April 8, 1992. This letter should be
a tie down condition in their license.

Remarks: _____

Regional Reviewer: Pamela Henderson
Reviewer Code: K-7
Reviewer Phone No.: FTS 346-6952

REQUEST FOR TECHNICAL ASSISTANCE
Walter Reed Army Medical Center

-2-

Problem/Issue continued:

licensee shall survey the patient's room and private sanitary facility for removable contamination with a radiation detection survey instrument before assigning another patient to the room. The room must not be reassigned until removable contamination is less than 200 disintegrations per minute per 100 square centimeters. WRAMC states that they average thirty iodine therapies per year and have a dedicated room which is assigned only to iodine therapy patients. Before reassigning the room to another iodine patient, their Health Physics Office personnel clean and disinfect it. The room remains locked until needed for an iodine therapy and may only be opened by health physics personnel.



DEPARTMENT OF THE ARMY
WALTER REED ARMY MEDICAL CENTER
WASHINGTON, D.C. 20307-5001



REPLY TO
ATTENTION OF:
HSHL-HP (385-11m)

8 Apr 92

MEMORANDUM THRU HQDA (SGPS-PSP-E), 5109 Leesburg Pike, Falls
Church, VA 22041-3258

FOR US Nuclear Regulatory Commission, Region I, Nuclear Material
Safety Section A, 475 Allendale Road, King of Prussia, PA
19406-1415

SUBJECT: Application for Exemption to 10 CFR 35.315(a)7

1. Request that Walter Reed Army Medical Center (WRAMC), NRC
License No. 08-01738-02, be granted exemption from the provisions
of 10 CFR 35.315 (a) 7.

2. WRAMC averages thirty iodine therapies per year and has a
dedicated room which is assigned only to iodine therapy patients.
Before reassigning the room to another iodine therapy patient,
Health Physics Office (HPO) personnel clean and disinfect it. The
room remains locked until needed for an iodine therapy and may only
be opened by HPO personnel.

3. Although ensuring a maximum removable room contamination level
of 200 dpm/cm² is appropriate for a room that may be utilized by
the general public, it does not seem necessary for a room that is
solely used by patients that have just received 150 mCi of
radioiodine and well trained radiation workers.

4. Also, Condition No.5 of the WRAMC authorization procedures has
been modified to delete addresses for USAMRIID and Andrew Rader
Army Clinic; to change the Health Physics Office mailing address to
the recently assigned street address; and to include the Nuclear
Medicine Clinic as a receipt point for radiopharmaceutical
shipments. (Enclosure)

5. Nuclear Medicine has been approved by the WRAMC Radiation
Control Committee to receive radiopharmaceuticals directly from
local pharmacies for more timely and cost effective handling of
this material. Nuclear Medicine will process all incoming
shipments in accordance with Regulatory Guide 10.8 and forward
inventory records to the Health Physics Office.

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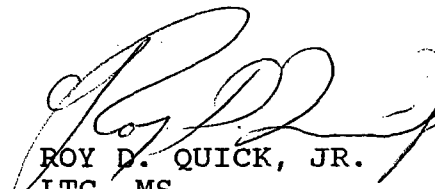
116472

HSCL-HP

SUBJECT: Application for Exemption to 10 CFR 35.315(a)7

FOR THE COMMANDER:

Encl
as



ROY D. QUICK, JR.
LTC, MS
Executive Officer

Copy Furnished

Commander, US Army Health Services Command, ATTN: HSCL-P, Fort Sam
Houston, TX 78234-6000

HEALTH PHYSICS
WALTER REED ARMY MEDICAL CENTER
Washington, D.C. 20307-5001

CONDITION NO. 5

FOR

RADIOACTIVE MATERIAL AUTHORIZATIONS

PROCEDURES FOR
ORDERING, RECEIVING AND SAFELY OPENING PACKAGES
CONTAINING RADIOACTIVE MATERIAL

1. GENERAL. Radioactive material for Walter Reed Army Medical Center (WRAMC) and tenant activities will be ordered, received and secured in accordance with US Army Regulations, Title 10, Code of Federal Regulations, and the provisions of WRAMC's Nuclear Regulatory Commission License.

2. PRINCIPAL USER'S RESPONSIBILITIES.

a. WRAMC Principal Users are responsible for ordering and receiving radioactive material in accordance with the instructions outlined below.

b. A Principal User may procure only those radioisotopes currently authorized for their use by the WRAMC Radiation Control Committee, subject to the limitations of their authorization.

c. Unless specified prior arrangements have been made with the Health Physics Officer, the maximum quantity which may be ordered at any one time is limited by the maximum activity of that radioisotope which the User is authorized to possess less the amount of activity the User will have on hand at the time the new order is received.

d. Specific prior approval of the Health Physics Office shall be required before receiving and/or transferring gifts containing radioactive material. This procedure applies to those instances where normal supply channels are not utilized. All gifts will be delivered to the Health Physics Office unless alternate arrangements are specifically approved by the Health Physics Office.

3. ORDERING PROCEDURES.

a. The Principal User shall submit a completed Purchase Request through normal supply channels for procurement of all radioactive materials.

CONDITION NO. 5 FOR RADIOACTIVE MATERIAL AUTHORIZATION
(PROCEDURES FOR ORDERING, RECEIVING AND SAFELY OPENING PACKAGES
CONTAINING RADIOACTIVE MATERIAL)

b. In addition to the information required by WRAMC Procurement Regulations, each purchase request shall contain the following:

(1) Radionuclide, chemical form, and total activity (Activity is given as microcuries (Uci), millicuries (Mci), or curies (Ci); for natural radioactive materials microgram (ug), milligram (mg), gram (g), or kilogram (kg) may be used.

(2) This notice will be typed after the item description:

RADIOACTIVE MATERIAL
NOTIFY HEALTH PHYSICS OFFICE
PRIOR TO PLACING ORDER
(TELEPHONE NO. (301) 427-5104)

(3) The WRAMC Radioactive Material Authorization Number will be indicated in the "Attention Line" of the "Ship To" address.

(4) Date required or delivery date.

(5) The proper shipping address for any radioactive material not specifically exempted by the Health Physics Office (HPO) is:

Health Physics Office
Bldg 188, 2681 Linden Lane
Forest Glen Section
Walter Reed Army Medical Center
ATTN: Authorization No. _____
Silver Spring, MD 20910

(6) Two specific approved exemptions are:

(a) Army Medical Laboratory, Ft. Meade, MD:

Radiation Protection Officer
Army Medical Laboratory
Bldg 2490
Fort Meade, Maryland 20755

CONDITION NO. 5 FOR RADIOACTIVE MATERIAL AUTHORIZATION
(PROCEDURES FOR ORDERING, RECEIVING AND SAFELY OPENING PACKAGES
CONTAINING RADIOACTIVE MATERIAL)

(b) Radiopharmaceuticals for WRAMC Nuclear
Medicine Clinic:

Walter Reed Army Medical Center
Nuclear Pharmacy
Bldg 2, Room 1
Washington, D.C. 20307-5001

EX 2

4. RECEIVING PROCEDURES.

a. All incoming shipments of radioactive material to the Health Physics Office will be received by the Health Physics Office during duty hours, or by the Military Police, WRAMC Forest Glen Section during non-duty hours. Shipments to Fort Meade, or the WRAMC Nuclear Medicine Clinic will be delivered to the address shown in paragraph 3. The Health Physics Office must be notified immediately of any shipment delivered to an unapproved address.

b. All incoming packages of radioactive material will be examined for damage immediately upon receipt. Any packages that appear to be wet, punctured, crushed, or otherwise damaged will be considered to be contaminated, until it can be determined that they are not.

c. Incoming radioactive material shipments must be continuously secured against unauthorized removal and the radiation levels adjacent to the secured storage area may not exceed 0.5 mR/hr.

5. SHIPMENT MONITORING & DELIVERY TO AUTHORIZED RECIPIENTS.

a. All shipments of radioactive material must be inspected to insure that the shipment does not exceed the possession limits of the Authorization under which it is ordered. Unauthorized shipments will be returned to the vendor when possible, disposed of as radioactive waste, or held by the Health Physics Office until the Principal User obtains an amended Radioactive Material Authorization allowing receipt of the material. Unauthorized shipments will not be held by Health Physics for more than ninety (90) days.

b. Shipments will be Delivered to Principal Users by the Health Physics Office after monitoring procedures have been accomplished.

EX 2

CONDITION NO. 5 FOR RADIOACTIVE MATERIAL AUTHORIZATION
(PROCEDURES FOR ORDERING, RECEIVING AND SAFELY OPENING PACKAGES
CONTAINING RADIOACTIVE MATERIAL)

6. FINAL SOURCE CONTAINER CHECK. The Principal User is responsible for making a final check of the radioactive materials source container after it is delivered by the Health Physics Office. This check will follow the steps outlined below:

- a. Put on gloves.
- b. Open outer package (following manufacturer's directions, if supplied) and remove packing slip. Open inner package and verify that the contents are as listed on the packing slip.
- c. Check integrity of source container, inspecting for breakage of seals or vials, loss of liquid, discoloration of packaging material, etc.
- d. Before disposing of clean outer packaging ensure that any "radioactive" labels or statements have been defaced or removed.

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RECEIVED-REGION I

030-01317



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
OFFICE OF THE SURGEON GENERAL
5109 LEESBURG PIKE
FALLS CHURCH, VA 22041-3258

April 20, 1992



Preventive Medicine
Consultants Division

US Nuclear Regulatory Commission
Region I
475 Allendale
King of Prussia, Pennsylvania 19406

Dear Sir:

Enclosed are two copies of a request to amend Byproduct
Material License Number 08-01738-02, Walter Reed Army Medical
Center, Washington, DC.

Recommend approval.

Sincerely,

Peter H. Myers
Colonel, U.S. Army
Radiological Hygiene Consultant

Enclosure

CF: HSHB-MR-H

OFFICIAL RECORD COPY ML 10

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APR 24 1992

copy Rec'd in LAS APR 13 1992



DEPARTMENT OF THE ARMY
WALTER REED ARMY MEDICAL CENTER
WASHINGTON, D.C. 20307-5001



REPLY TO
ATTENTION OF:
HSHL-HP (385-11m)

8 Apr 92

MEMORANDUM THRU HQDA (SGPS-PSP-E), 5109 Leesburg Pike, Falls
Church, VA 22041-3258

FOR US Nuclear Regulatory Commission, Region I, Nuclear Material
Safety Section A, 475 Allendale Road, King of Prussia, PA
19406-1415

SUBJECT: Application for Exemption to 10 CFR 35.315(a)7

1. Request that Walter Reed Army Medical Center (WRAMC), NRC
License No. 08-01738-02, be granted exemption from the provisions
of 10 CFR 35.315 (a) 7.

2. WRAMC averages thirty iodine therapies per year and has a
dedicated room which is assigned only to iodine therapy patients.
Before reassigning the room to another iodine therapy patient,
Health Physics Office (HPO) personnel clean and disinfect it. The
room remains locked until needed for an iodine therapy and may only
be opened by HPO personnel.

3. Although ensuring a maximum removable room contamination level
of 200 dpm/cm² is appropriate for a room that may be utilized by
the general public, it does not seem necessary for a room that is
solely used by patients that have just received 150 mCi of
radioiodine and well trained radiation workers.

4. Also, Condition No.5 of the WRAMC authorization procedures has
been modified to delete addresses for USAMRIID and Andrew Rader
Army Clinic; to change the Health Physics Office mailing address to
the recently assigned street address; and to include the Nuclear
Medicine Clinic as a receipt point for radiopharmaceutical
shipments. (Enclosure)

~~5. Nuclear Medicine has been approved by the WRAMC Radiation
Control Committee to receive radiopharmaceuticals directly from
local pharmacies for more timely and cost effective handling of
this material. Nuclear Medicine will process all incoming
shipments in accordance with Regulatory Guide 10.8 and forward
inventory records to the Health Physics Office.~~

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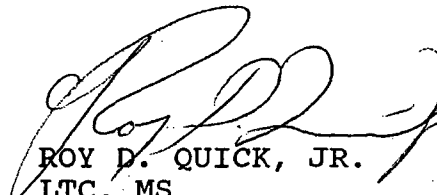
116472

HSHL-HP

SUBJECT: Application for Exemption to 10 CFR 35.315(a)7

FOR THE COMMANDER:

Encl
as



ROY D. QUICK, JR.
LTC, MS
Executive Officer

Copy Furnished

Commander, US Army Health Services Command, ATTN: HSCL-P, Fort Sam
Houston, TX 78234-6000

HEALTH PHYSICS
WALTER REED ARMY MEDICAL CENTER
Washington, D.C. 20307-5001

CONDITION NO. 5

FOR

RADIOACTIVE MATERIAL AUTHORIZATIONS

PROCEDURES FOR
ORDERING, RECEIVING AND SAFELY OPENING PACKAGES
CONTAINING RADIOACTIVE MATERIAL

1. GENERAL. Radioactive material for Walter Reed Army Medical Center (WRAMC) and tenant activities will be ordered, received and secured in accordance with US Army Regulations, Title 10, Code of Federal Regulations, and the provisions of WRAMC's Nuclear Regulatory Commission License.

2. PRINCIPAL USER'S RESPONSIBILITIES.

a. WRAMC Principal Users are responsible for ordering and receiving radioactive material in accordance with the instructions outlined below.

b. A Principal User may procure only those radioisotopes currently authorized for their use by the WRAMC Radiation Control Committee, subject to the limitations of their authorization.

c. Unless specified prior arrangements have been made with the Health Physics Officer, the maximum quantity which may be ordered at any one time is limited by the maximum activity of that radioisotope which the User is authorized to possess less the amount of activity the User will have on hand at the time the new order is received.

d. Specific prior approval of the Health Physics Office shall be required before receiving and/or transferring gifts containing radioactive material. This procedure applies to those instances where normal supply channels are not utilized. All gifts will be delivered to the Health Physics Office unless alternate arrangements are specifically approved by the Health Physics Office.

3. ORDERING PROCEDURES.

a. The Principal User shall submit a completed Purchase Request through normal supply channels for procurement of all radioactive materials.

CONDITION NO. 5 FOR RADIOACTIVE MATERIAL AUTHORIZATION
(PROCEDURES FOR ORDERING, RECEIVING AND SAFELY OPENING PACKAGES
CONTAINING RADIOACTIVE MATERIAL)

b. In addition to the information required by WRAMC Procurement Regulations, each purchase request shall contain the following:

(1) Radionuclide, chemical form, and total activity (Activity is given as microcuries (Uci), millicuries (Mci), or curies (Ci); for natural radioactive materials microgram (ug), milligram (mg), gram (g), or kilogram (kg) may be used.

(2) This notice will be typed after the item description:

RADIOACTIVE MATERIAL
NOTIFY HEALTH PHYSICS OFFICE
PRIOR TO PLACING ORDER
(TELEPHONE NO. (301) 427-5104)

(3) The WRAMC Radioactive Material Authorization Number will be indicated in the "Attention Line" of the "Ship To" address.

(4) Date required or delivery date.

(5) The proper shipping address for any radioactive material not specifically exempted by the Health Physics Office (HPO) is:

Health Physics Office
Bldg 188, 2681 Linden Lane
Forest Glen Section
Walter Reed Army Medical Center
ATTN: Authorization No. _____
Silver Spring, MD 20910

(6) Two specific approved exemptions are:

(a) Army Medical Laboratory, Ft. Meade, MD:

Radiation Protection Officer
Army Medical Laboratory
Bldg 2490
Fort Meade, Maryland 20755

CONDITION NO. 5 FOR RADIOACTIVE MATERIAL AUTHORIZATION
(PROCEDURES FOR ORDERING, RECEIVING AND SAFELY OPENING PACKAGES
CONTAINING RADIOACTIVE MATERIAL)

(b) Radiopharmaceuticals for WRAMC Nuclear
Medicine Clinic:

Walter Reed Army Medical Center
Nuclear Pharmacy
Bldg 2, Room
Washington, D.C. 20307-5001

4. RECEIVING PROCEDURES.

a. All incoming shipments of radioactive material to the Health Physics Office will be received by the Health Physics Office during duty hours, or by the Military Police, WRAMC Forest Glen Section during non-duty hours. Shipments to Fort Meade, or the WRAMC Nuclear Medicine Clinic will be delivered to the address shown in paragraph 3. The Health Physics Office must be notified immediately of any shipment delivered to an unapproved address.

b. All incoming packages of radioactive material will be examined for damage immediately upon receipt. Any packages that appear to be wet, punctured, crushed, or otherwise damaged will be considered to be contaminated, until it can be determined that they are not.

c. Incoming radioactive material shipments must be continuously secured against unauthorized removal and the radiation levels adjacent to the secured storage area may not exceed 0.5 mR/hr.

5. SHIPMENT MONITORING & DELIVERY TO AUTHORIZED RECIPIENTS.

a. All shipments of radioactive material must be inspected to insure that the shipment does not exceed the possession limits of the Authorization under which it is ordered. Unauthorized shipments will be returned to the vendor when possible, disposed of as radioactive waste, or held by the Health Physics Office ~~until the Principal User obtains an amended Radioactive Material Authorization allowing receipt of the material.~~ Unauthorized shipments will not be held by Health Physics for more than ninety (90) days.

b. Shipments will be Delivered to Principal Users by the Health Physics Office after monitoring procedures have been accomplished.

CONDITION NO. 5 FOR RADIOACTIVE MATERIAL AUTHORIZATION
(PROCEDURES FOR ORDERING, RECEIVING AND SAFELY OPENING PACKAGES
CONTAINING RADIOACTIVE MATERIAL)

6. FINAL SOURCE CONTAINER CHECK. The Principal User is responsible for making a final check of the radioactive materials' source container after it is delivered by the Health Physics Office. This check will follow the steps outlined below:

- a. Put on gloves.
- b. Open outer package (following manufacturer's directions, if supplied) and remove packing slip. Open inner package and verify that the contents are as listed on the packing slip.
- c. Check integrity of source container, inspecting for breakage of seals or vials, loss of liquid, discoloration of packaging material, etc.
- d. Before disposing of clean outer packaging ensure that any "radioactive" labels or statements have been defaced or removed.

92 APR 24 AM 11:14

RECEIVED-REGION 1

BETWEEN:

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: PROGRAM CODE: 02110  
:  
: STATUS CODE: 0  
:  
: FEE CATEGORY: EX 7B 2B 2C  
:  
: EXP. DATE: 19930430  
:  
: FEE COMMENTS: SHIELDING AND R&D USE  
: DECOM FIN ASSUR REQD: Y  
:::.....
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A. REGION:

I

- AMOUNT: 8
CHECK NO.: 8

- SIGNED M. A. Larkin
DATE 4/15/92

72

1. FEE CATEGORY AND AMOUNT: _____

3. OTHER _____

SIGNED _____
DATE _____