

ACCEPTANCE REVIEW MEMO (ARM)

Licensee: Dept of Army (Evans Army Comm. Hosp) **License No.:** 05-26854-01
Docket No.: 030-29534 **Mail Control No.:** 470988
Type of Action: Amend **Date of Requested Action:** 04-26-06
Reviewer Assigned: **ARM reviewer(s):** Torres

ASTC

Response	Deficiencies Noted During Acceptance Review
1.	<input type="checkbox"/> Open ended possession limits. Submit inventory. Limit possession. <input type="checkbox"/> Inform licensee that we are limiting possession limits. <input type="checkbox"/> Ask the licensee if they have any type-amount of EPAct Material.
2.	

Reviewer's Initials: _____ **Date:** _____

Yes No Request for unrestricted use for Group 2 or higher category should be transferred by memo to FCDB within 10 days of receipt.
 Yes No Decommissioning notification should be completed within 30 days.
 Yes No Termination request < 90 days from date of expiration
 Yes No Expedite (medical emergency, no RSO, location of use/storage not on license, RAM in possession not on license, other)
 Yes No TAR needed to complete action.

Branch Chief's and/or Sr. HP's Initials: _____ **Date:** _____

SUNSI Screening according to RIS 2005-31

Yes No **Non-Publicly Available, Sensitive** if any item below is checked

General guidance:

- _____ RAM = or > than Category 3 (Table 1, RIS 2005-31), use Unity Rule
- _____ Exact location of RAM (whether = or > than Category 3 or not)
- _____ Design of structure and/or equipment (site specific)
- _____ Information on nearby facilities
- _____ Detailed design drawings and/or performance information
- _____ Emergency planning and/or fire protection systems

Specific guidance for medical, industrial and academic (above Category 3):

- _____ RAM quantities and inventory
- _____ Manufacturer's name and model number of sealed sources & devices
- _____ Site drawings with exact location of RAM, description of facility
- _____ RAM security program information (locks, alarms, etc.)
- _____ Emergency Plan specifics (routes to/from RAM, response to security events)
- _____ Vulnerability/security assessment/accident-safety analysis/risk assess
- _____ Mailing lists related to security response

Branch Chief's and/or Sr. HP's Initials: *ASTC* **Date:** *5/16/06*



DEPARTMENT OF THE ARMY
 U.S. ARMY MEDICAL DEPARTMENT ACTIVITY
 1650 Cochrane Circle
 Fort Carson, Colorado 80913-4604

RECEIVED
 MAY 04 2006
 DNMS

REPLY TO
 ATTENTION OF

MCXE- PMD-RS (11-9m)

26 April 2006

AST

MEMORANDUM FOR U.S. Nuclear Regulatory Commission Region IV, Material Radiation Protection Section, 11 Ryan Plaza Drive, Suite 1000, Arlington, TX 76011

SUBJECT: Request Amendment to Nuclear Regulatory Commission (NRC) Byproduct Materials License, No. 05-26854-01.

1. Request that Evans Army Community Hospital's Byproduct Materials License no. 05-26854-01 be amended to change the RSO from CPT Jennifer M. Smith, to Dr. Cyrus W. Partington,
2. The Radiation Safety Committee has accepted Dr. Partington as the new Radiation Safety Officer as of 21 April 2006.
3. It is requested that the amendment to the NRC Byproduct Materials License, No. 05-26854-01 be expedited due to that CPT Jennifer M. Smith will be leaving the Army 6 June 2006.
4. Point of contact for this action is the Radiation Safety Office.
 - a. Telephone: (719) 526-7047
 - b. Address: MEDDAC,
 MCXE-PMC-RS
 1650 Cochrane Circle
 Fort Carson, Co 80913-4604

FOR THE COMMANDER:


 JOHN A. JOHNSON
 COL, MC
 Chairman, Radiation Control
 Committee

**MEDICAL USE TRAINING AND EXPERIENCE
AND PRECEPTOR ATTESTATION**

PART I -- TRAINING AND EXPERIENCE

Note: Descriptions of training and experience must contain sufficient detail to match the training and experience criteria in the applicable regulation (10 CFR Part 35)

1. Name of Individual, Proposed Authorization (e.g., Radiation Safety Officer), and Applicable Training Requirements (e.g., 10 CFR 35.50)

Cyrus William Partington, M.D.; Radiation Safety Officer; Current Authorized User

2. For Physicians, Podiatrists, Dentists, Pharmacists -- State or Territory Where Licensed

Colorado

3. CERTIFICATION

- a. Provide a copy of the board certification. (Stop here if applying under 10 CFR Part 35, Subpart J or 35.590(a); continue if applying under other subparts.)
- b. Provide documentation in appropriate items 4 through 10 of training or clinical case work required by 35.50(e); 35.51(c); 35.290(c)(1)(ii)(G) for AU seeking 35.200 authorization; 35.390(b)(1)(ii)(G); 35.396(d)(1) and 35.396(d)(2); 35.590(c); or 35.690(c).
- c. Provide completed Part II Preceptor Attestation, Items 11a through 11d.
Stop here after completing items 3a, 3b, and 3c when using board certification to meet 10 CFR Part 35 training and experience requirements.

4. INDIVIDUALS IDENTIFIED ON A LICENSE OR PERMIT AS RADIATION SAFETY OFFICERS (RSO), AUTHORIZED USERS (AU), AUTHORIZED MEDICAL PHYSICISTS (AMP), OR AUTHORIZED NUCLEAR PHARMACISTS (ANP) SEEKING ADDITIONAL AUTHORIZATIONS

- a. Provide a copy of the license or broadscope permit listing the current authorization **and** (b) or (c)
- b. Complete items 6c (and 10 when training is provided by an RSO, AMP, ANP, or AU) and preceptor items 11b through 11d to meet requirements for: RSO in 35.50(c)(2) or 35.50(e); or AU in 35.290(c)(1)(ii)(G) or 35.390(b)(1)(ii)(G) or 35.590(c) or 35.690(c); or AMP under 35.51(c).
- c. Complete items 5, 6a, 6b, 10, and Preceptor items 11a through 11d to meet AU requirements in 35.396(a).

5. DIDACTIC OR CLASSROOM AND LABORATORY TRAINING (optional for Medical Physicists)

Description of Training	Location	Clock Hours	Dates of Training
Radiation Physics and Instrumentation			
Radiation Protection			
Mathematics Pertaining to the Use and Measurement of Radioactivity			
Radiation Biology			
Chemistry of Byproduct Material for Medical Use			
OTHER			

MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

6a. WORK OR PRACTICAL EXPERIENCE WITH RADIATION

Description of Experience	Name of Supervising Individual(s)	Location and Corresponding Materials License Number	Dates and/or Clock Hours of Experience
---------------------------	-----------------------------------	---	--

6b. SUPERVISED CLINICAL CASE EXPERIENCE (describe experience elements in 6a)

Radionuclide	Type of Use	No. of Cases Involving Personal Participation	Name of Supervising Individual	Location and Corresponding Materials License Number	Dates and/or Clock Hours of Experience
--------------	-------------	---	--------------------------------	---	--

MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

6c. TRAINING FOR SECTIONS 35.50(e), 35.51(c), 35.590(c), or 35.690(c)

Training Element	Type of Training *	Location and Dates
MEDDAC Regulation 11-9 - Hospital Radiation Safety Program	Familiarization/ Supervised	Evans Army Community Hospital December 2005
10 CFR Training	Familiarization/ Supervised	Evans Army Community Hospital December 2005
Radiation Safety Office Standard Operating Procedure	Familiarization/ Supervised	Evans Army Community Hospital March 2006
Nuclear Medicine Operating Procedures for the Administration of Radioactive Materials	Familiarization/ Supervised	Evans Army Community Hospital December 2002

* Types of training may include supervised (complete item 10 for 35.50(e), 35.51(c), and 35.690(c)), didactic, or vendor training.

7. FORMAL TRAINING Physicians (for uses under 35.400 and 35.600) and Medical Physicists

Degree, Area of Study or Residency Program	Name of Program and Location with Corresponding Materials License Number	Dates	Name of Organization that Approved the Program (e.g., Accreditation Council for Graduate Medical Education) and the Applicable Regulation (e.g., 10 CFR 35.490)

8. RADIATION SAFETY OFFICER (RSO) -- ONE-YEAR FULL-TIME EXPERIENCE

- YES Completed 1 year of full-time radiation safety experience (in areas identified in item 6a) under supervision.
 N/A of the RSO for License No.

9. MEDICAL PHYSICIST -- ONE-YEAR FULL-TIME TRAINING/WORK EXPERIENCE

- YES Completed 1 year of full-time training (for areas identified in item 6a) in therapeutic radiological physics (35.961) or medical physics (35.51) under the supervision of
 N/A who is a medical physicist (35.961) or meets requirements for Authorized Medical Physicists (35.51);

and

- YES Completed 1 year of full-time work experience (at location providing radiation therapy services described and for topics identified in item 6a) for (specify use or device)
 N/A under the supervision of who is a medical physicist (35.961) or meets requirements for Authorized Medical Physicists (35.51) (specify use or device)

MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

10. SUPERVISING INDIVIDUAL -- IDENTIFICATION AND QUALIFICATIONS

The training and experience indicated above was obtained under the supervision of (if more than one supervising individual is needed to meet requirements in 10 CFR Part 35, provide the following information for each) :

A. Name of Supervisor

CPT Jennifer M. Smith

B. Supervisor is:

Authorized User

Radiation Safety Officer

Authorized Medical Physicist

Authorized Nuclear Pharmacist

C. Supervisor meets requirements of Part 35, Section(s) 35.50, 35.57

for medical uses in Part 35, Section(s) 100, 200, 300

D. Address

USAMEDDAC; ATTN:MCXE-PMD-RSO
1650 Cochrane Circle
Fort Carson, CO 80913

E. Materials License Number

05-26854-01

PART II -- PRECEPTOR ATTESTATION

Note: This part must be completed by the individual's preceptor. If more than one preceptor is necessary to document experience, obtain a separate preceptor statement from each. This part is not required to meet training requirements in 35.590 or Part 35, Subpart J (except 35.980).

I attest the individual named in Item 1:

11a.

has satisfactorily completed the requirements in Part 35, Section(s) and Paragraph(s) as documented in section(s) of this form.

11b. Select one

meets the requirements in 35.50(e) 35.51(c) 35.390(b)(1)(ii)(G) 35.690(c) for types of use, as documented in section(s) of this form.

N/A

11c.

has achieved a level of competency sufficient to independently operate a nuclear pharmacy (for 35.980); **OR**

has achieved a level of competency sufficient to function independently as an authorized for uses (or units); **OR**

has achieved a level of radiation safety knowledge sufficient to function independently as a Radiation Safety Officer for a medical use licensee ; **OR**

N/A

11d.

I am an Authorized Nuclear Pharmacist; **OR** I am a Radiation Safety Officer; **OR**

I meet the requirements of section(s) of 10 CFR Part 35

or equivalent Agreement State requirements to be a preceptor AU or AMP

for the following byproduct material uses (or units):

A. Address

COMMANDER USAMEDDAC
ATTN: MCXE-PMD-RSO, CPT Smith
1650 Cochrane Circle
Fort Carson, CO 80913

B. Materials License Number

05-26854-01

C. NAME OF PRECEPTOR (print clearly)

Jennifer M. Smith

D. SIGNATURE -- PRECEPTOR

Jennifer M. Smith

E. DATE

04/27/2006

40

The American Board of Radiology

*Organized through the cooperation of the
American College of Radiology the American Roentgen Ray Society
the American Radiology Society the Radiological Society of North America the Section
on Radiology of the American Medical Association and the American Society of Therapeutic Radiologists*
It hereby certifies that

Cyrus William Partington, M.D.

*Has passed an accepted course of graduate study and obtained with his and various students
and qualifications and has passed the examination conducted under the authority of*

The American Board of Radiology

It hereby demonstrates to the satisfaction of the Board that he is qualified to practice the specialty of
Diagnostic Radiology

And further, the American Board of Radiology, acting in conjunction and cooperation with
The American Board of Nuclear Medicine

*Incipient board formed with the sponsorship of the American Board of Internal Medicine the American
Board of Pathology the American Board of Radiology and the Society of Thoracic Radiologists*

On this the ninth day of June, 1978

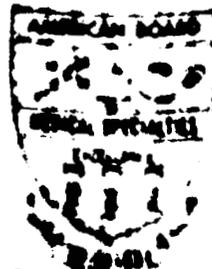
and certifies Special Certificate in

Nuclear Radiology



Sidney W. Nelson

F. J. ...



40

The American Board of Radiology

*Organized through the cooperation of the
American College of Radiology the American Roentgen Ray Society
the American Roentgen Society the Radiological Society of North America the Section
on Radiology of the American Medical Association and the American Society of Therapeutic Radiologists
Jointly certifies that*

Cyrus William Partington, M.D.

*Has pursued an accepted course of graduate study and clinical work and certain seminars
and qualifications and has passed the examination conducted under the authority of*

The American Board of Radiology

Thoroughly demonstrating to the satisfaction of the Board that he is qualified to practice the specialty of
Diagnostic Radiology

And further, the American Board of Radiology, acting in conjunction and cooperation with

The American Board of Nuclear Medicine

*Approved board formed with the sponsorship of the American Board of Internal Medicine the American
Board of Pathology the American Board of Radiology and the Society of Nuclear Medicine*

On this the ninth day of June, 1978

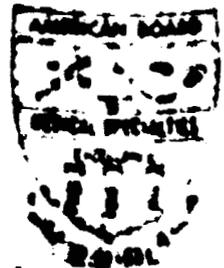
acknowledges Special Certificate in

Nuclear Radiology



Sidney W. Nelson

F. J. D... MD



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, 36, 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.

<p style="text-align: center;">Licensee</p> <p>1. Department of the Army Evans Army Community Hospital</p> <p>2. 1650 Cochrane Circle Fort Carson, Colorado 80913-4604</p>	<p>In accordance with letter dated May 11, 2005</p> <p>3. License number 05-26854-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date August 31, 2013</p> <hr/> <p>5. Docket No. 030-29534 Reference No.</p>
--	--

<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material permitted by 10 CFR 35.100</p> <p>B. Any byproduct material permitted by 10 CFR 35.200</p> <p>C. Any byproduct material permitted by 10 CFR 35.300</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p> <p>C. Any</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. As needed</p> <p>B. As needed</p> <p>C. 500 millicuries</p>
--	---	---

9. Authorized use:
- A. Any uptake, dilution and excretion procedure approved in 10 CFR 35.100.
 - B. Any imaging and localization procedure approved in 10 CFR 35.200.
 - C. Any radiopharmaceutical therapy procedure approved in 10 CFR 35.300.

CONDITIONS

- 10. Licensed material may be used or stored only at the licensee's facilities located at 1650 Cochrane Circle, Fort Carson, Colorado.
- 11. The Radiation Safety Officer for this license is CPT Jennifer M Smith.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

05-26854-01

Docket or Reference Number

030-29534

Amendment No. 19

12. Licensed material is only authorized for use by, or under the supervision of:
- A. Individuals permitted to work as an authorized user in accordance with 10 CFR 35.13 and 35.14.
 - B. The following individuals are authorized users for the materials and uses indicated:

<u>Authorized Users</u>	<u>Material and Use</u>
Cyrus W. Partington, M.D.	35.100; 35.200; 35.300
Frederick A. Steckel, M.D.	35.100; 35.200
13. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.
14. For sealed sources not associated with 10 CFR Part 35 use, the following conditions apply:
- A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State.
 - B. Notwithstanding Paragraph A of this Condition, sealed sources designed to primarily 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 the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulation of an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.
 - D. Sealed sources need not be tested if they contain only hydrogen-3; or they contain only a radioactive gas; or the half-life of the isotope is 30 days or less; or they contain not more than 100 microcuries of beta- and/or gamma-emitting material or not more than 10 microcuries of alpha-emitting material.
 - E. Sealed sources need not be tested if they 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 shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
05-26854-01Docket or Reference Number
030-29534

Amendment No. 19

- F. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.
- G. Tests for leakage and/or contamination, including leak test sample collection and analysis, shall be performed by the licensee or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
15. The licensee shall conduct a physical inventory every six months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license.
16. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
17. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
18. 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. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. Additionally, this license condition does not limit the licensee's ability to make changes to the radiation protection program as provided for in 10 CFR 35.26. The U.S. 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 January 22, 2003
B. Letter dated August 21, 2003

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: July 27, 2005

By: _____


Rachel S. Browder, Health Physicist
Nuclear Materials Licensing Branch
Region IV
Arlington, Texas 76011

5-23-06

DATE

This is to acknowledge the receipt of your letter/application dated 04-26-06, and to inform you that the initial processing, which includes an administrative review, has been performed.

There were no administrative omissions. Your application will be assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card:

The action you requested is normally processed within 90 days.

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned Mail Control Number 470988.
When calling to inquire about this action, please refer to this mail control number.
You may call me at 817-860-8103.

Sincerely,

Colleen Murahan

Licensing Assistant

ORIGIN ID: PUBA (719) 326-4211
OUT BOUND FREIGHT
TRANSPORTATION OFFICE
BLDG 330
4951 CHILES AVE
FT CARSON, CO 80913
UNITED STATES US

Ship Date: 03MAY06
Actual Wt: 0.1 LB
System#: 0659270/CAFE2286
Account: S 080900244

TO MRS COLLEEN MUNN JHAN

US NUCLEAR
611 RYAN PLAZA DR STE 400

ARLINGTON, TX 76011

(877) 860-8103

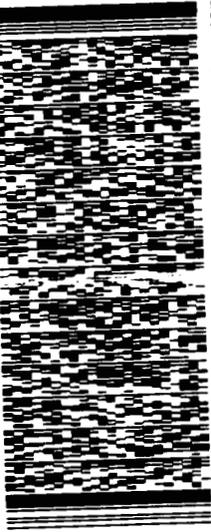
FedEx
Express



CLS091905/08/15

REF: RPH1

Delivery Address
Barcode



BILL SENDER

22574 04MAY06 01:39
FedEx

PRIORITY OVERNIGHT

Trk# 6735 3661 4570

F091 0201

FDX PKG
Delivered By
04MAY06

THU

THU

Deliver By:
04MAY06

76011 -TX-US

DFW

A1

FWHA

DFW

A1

XHEUJHR



Part # 154254-354 NRIT 01-06

NMY
OSPITA
FICE
00
\$13-5

US Nuclear Regulatory Commission
Region 4
611 Ryan Pl. Dr. STE. 400

