

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.

Licensee

1. Department of the Army
Madigan Army Medical Center
2. MCHJ-PVR (Radiation Protection Office)
Tacoma, Washington 98431-5000

In accordance with letter dated
October 23, 1996,

3. License Number 46-02645-03 is amended in
its entirety to read as follows:

4. Expiration Date May 31, 2000

5. Docket or
Reference No. 030-03368

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

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. 3.0 curies (no
single container to
exceed 150
millicuries)

D. Any byproduct material
identified in 10 CFR
35.400

D. Any brachytherapy
source identified in
10 CFR 35.400

D. 10 curies

E. Hydrogen 3

E. Any

E. 100 millicuries

F. Calcium 45

F. Any

F. 1.0 millicurie

G. Carbon 14

G. Any

G. 50.0 millicuries

H. Chlorine 36

H. Any

H. 1.0 millicurie

I. Iodine 129

I. Any

I. 20 microcuries

J. Iron 55

J. Any

J. 5.0 millicuries

K. Manganese 54

K. Any

K. 0.5 millicurie

L. Zinc 65

L. Any

L. 0.5 millicurie

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

46-02645-03

Docket or Reference Number

030-03368

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

M. Sulfur 35
N. Phosphorus 32
O. Phosphorus 33
P. Cobalt 58
Q. Iron 59
R. Rubidium 81
S. Strontium 89
T. Yttrium 90
U. Yttrium 91
V. Tin 113
W. Xenon 133
X. Xenon 127
Y. Samarium 153
Z. Rhenium 186
AA. Rhenium 188
BB. Krypton 85
CC. Iodine 125
DD. Iodine 131
EE. Molybdenum 99
FF. Technetium 99m
GG. Any byproduct
material with Atomic
Nos. 1 through 83,
inclusive
HH. Nickel 63
II. Depleted uranium

7. Chemical and/or
physical form

M. Any
N. Any
O. Any
P. Any
Q. Any
R. Any
S. Any
T. Any
U. Any
V. Any
W. Any
X. Any
Y. Any
Z. Any
AA. Any
BB. Any
CC. Any
DD. Any
EE. Any
FF. Any
GG. Sealed sources
HH. Foil
II. Shielding

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

M. 50 millicuries
N. 50 millicuries
O. 50 millicuries
P. 50 millicuries
Q. 50 millicuries
R. 50 millicuries
S. 50 millicuries
T. 50 millicuries
U. 50 millicuries
V. 50 millicuries
W. 50 millicuries
X. 50 millicuries
Y. 50 millicuries
Z. 50 millicuries
AA. 50 millicuries
BB. 50 millicuries
CC. 50 millicuries
DD. 150 millicuries
EE. 3 curies
FF. 1 curie
GG. Not to exceed 700
millicuries total
HH. 100 millicuries
II. 999 kilograms

**MATERIALS LICENSE
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License Number
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Docket or Reference Number
030-03368

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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. through FF. Research in laboratory animals.
- A. through C., and E. through FF. Compounding and manufacturing of radiopharmaceuticals for in vivo and in vitro use, provided that such radiopharmaceuticals for in vivo use shall be subject to the Food and Drug Administration's requirements for New Drug Applications (NDA's) and Investigational New Drugs (IND's), and research in humans as approved by a Radioactive Drug Research Committee (RDRC) approved by the FDA, or prepared from reagents under the supervision of the "Authorized Nuclear Pharmacist" listed in Condition 12.D.
- GG. Reference/calibration standards.
- HH. For use in gas chromatographs for sample analysis.
- II. As shielding for linear accelerators, molybdenum-99/technetium-99 generators, or in shielding blocks to be used in selected radiation therapy procedures.

CONDITIONS

- 10. Licensed material shall be used only at the licensee's facilities located at Madigan Army Medical Center, Tacoma, Washington.
- 11. The Radiation Safety Officer for this license is Major Paul R. Hulkovich.
- 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.
- C. Licensed material for other than human use shall be used by or under the supervision of individuals designated by the Radiation Safety Committee.
- D. Authorized Nuclear Pharmacist: Cpt. Stacia L. Spridgen

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13. 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.
- 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

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(Continued)

result is known with the U.S. Nuclear Regulatory Commission, Region IV, 611 Ryan Plaza Drive, 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.
14. 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, and 10 CFR 35.400 and every 6 months for all other sources and/or devices.
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 shall maintain records of information related to decommissioning at the Madigan Army Medical Center, Preventative Medicine Service (Radiation Protection Office), Tacoma, Washington per the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.
17. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
18. The "Authorized Nuclear Pharmacist" shall:
- A. Instruct the supervised individual in the preparation of byproduct material for medical use and the principles of and the procedures for radiation safety, and the licensee's written quality management program, as appropriate to the individual's use of byproduct material;
 - B. Require the supervised individual to follow the instructions given in paragraph (A) above and to comply with the NRC regulations and license conditions; and
 - C. Periodically review the work of the supervised individual as it pertains to preparing byproduct material for medical use and the records kept to reflect that work.
19. Nothing in this license relieves the licensee from complying with applicable FDA, other Federal, and State requirements governing radioactive drugs or devices.

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License Number

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20. 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.
21. This license does not authorize commercial distribution of licensed material.
22. Experimental animals, or the products from experimental animals, that have been administered licensed materials shall not be used for human consumption.
23. The licensee is authorized to hold radioactive material with a physical half-life of less than 120 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.
 - B. Before disposal as ordinary trash, byproduct material shall be surveyed at the container surface with the appropriate 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. Generator columns shall be segregated so that they may be monitored separately to ensure decay to background levels prior to disposal.

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24. 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. Application dated October 21, 1994
 - B. Letter dated April 7, 1995
 - C. Facsimile dated May 1, 1995
 - D. Letter dated September 19, 1995
 - E. Letter dated October 10, 1995
 - F. Letter dated November 1, 1995
 - G. Letter dated February 21, 1995
 - H. Correspondence received March 18, 1996
 - I. Letter dated March 26, 1996
 - J. Letter dated April 8, 1996
 - K. Letter dated August 5, 1996
 - L. Letter dated October 23, 1996

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date DEC 31 1996

By Beth A. Prange
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 2B
Exp. Date: 20000531
Fee Comments: NOT BROAD PER REGION
Decom Fin Assur Req'd: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: ARMY DEPARTMENT OF THE
Received Date: 961216
Docket No: 3003368
Control No.: 572441
License No.: 46-02645-03
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

DEC 31 1995

Department of the Army
Madigan Army Medical Center
ATTN: Michael J. Foster, LTC, MS
Executive Officer
MCHJ-PVR (Radiation Protection Office)
Tacoma, Washington 98431-5000

SUBJECT: LICENSE AMENDMENT

Please find enclosed License No. 46-02645-03. 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) 975-0250.

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, "Standards 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

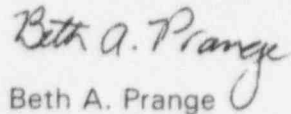
and obtained for any other planned changes in your facility or program that are contrary to your license or contrary to representations made in your license application, as well as supplemental correspondence thereto, which are incorporated into your license. A license fee may be charged for the amendments 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 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,



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

Docket: 030-03368
License: 46-02645-03
Control: 572441

Enclosures: As stated

Department of the Army
Madigan Army Medical Center

-4-

bcc:

P. Myers, Hdqs. U.S. Army Medical Command

Do. ket File

WCFO Inspection File

LFDCB, T-9 E10

State of WA (License Only)

DOCUMENT NAME: G:\beth\572441

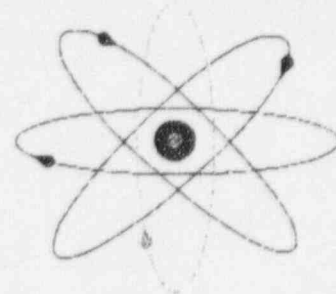
To receive copy of document, indicate in box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No copy

RIV:MB	N	C:MB						
BPrange	BAP	Fwenslawski						
12/31/96		12/ /96	12/ /96	12/ /96	12/ /96	12/ /96		

OFFICIAL RECORD COPY



RADIATION PROTECTION OFFICE
MADIGAN ARMY MEDICAL CENTER
TACOMA, WA 98433
(206) 968-4296
FAX: (206) 968-4301



FAX COVER SHEET

TO: Beth Prange NRC

FM: Madigan Army Medical Center

NOTES: AS per your request. CPT Spridgens state
license for Amendment allowing her to be named
as Nuclear Pharmacist on our license.

572471

STATE OF WASHINGTON BOARD OF PHARMACY

PHARMACIST

STACIA L SPRIDGEN
9010 ETON RD
SILVER SPRINGS MD 20901

262-0301-18884 02/01/97

572441

12/30/96

TELECOPIER TRANSMITTAL

15-15

TIME

3:20 p.m.

WARNING: Most facsimile machines produce copies on thermal paper. The image produced is highly unstable and will deteriorate significantly in a few years. Reproduce copies onto plain paper prior to filing as a record.

TO

NAME

Major HullKovich / Lt. Corwin

TELEPHONE

(206) 968-4296

NAME AND LOCATION OF COMPANY (if other than NRC)

Army, Tacoma

TELECOPY NUMBER

(206) 968-4301

VERIFICATION NUMBER

FROM

NAME

Beth Prange Fax: (510) 975-0381

TELEPHONE

(510) 975-0250

MAIL STOP

RIT; WXFO

TELECOPY DATA

NUMBER OF PAGES

THIS PAGE + 0 PAGES = 1 TOTAL

PRIORITY

IMMEDIATE

OTHER
(Specify)

SPECIAL INSTRUCTIONS

- Needed with regard to your letter of Oct. 23, 1996 (and Oct. 4, 1996):
1. State license to practice pharmacy for Cpt. Spridgen. (see definition of pharmacist in 35.2)
 2. Army central approval of request.

Thanks,

Beth

PROBLEMS

If any problems occur or if you do not receive all the pages, call:

TELEPHONE

PROCESSED BY (INITIALS)

DISPOSITION OF ORIGINAL

After telecopy has been sent, process the original as requested below. (If none are checked, the original will be discarded.)

RETURN TO SENDER

CALL AND SENDER WILL PICK UP

DISCARD

VERIFIED BY (INITIALS)

verified receipt 3:45 12/30/96

REPLY TO
ATTENTION OF:DEPARTMENT OF THE ARMY
MADIGAN ARMY MEDICAL CENTER
TACOMA, WASHINGTON 98431*Amendment*
030-03368

MCHJ-PVR (385-11m)

23 October 1996

MEMORANDUM THRU Commander, U.S. Army Medical Command, ATTN: MCHO-CL-
W, 2050 Worth Road, Fort Sam Houston, Texas
78234-6000For U.S. Nuclear Regulatory Commission, Region IV, Materials Radiation Protection section,
611 Ryan Plaza Drive, Suite 1000, Arlington, Texas 76011

SUBJECT: Request for Amendment to NRC License 46-02645-03

1. Request addition of CPT. Stacia L. Spridgen as an Authorized Nuclear Pharmacist for NRC License 46-02645-03. Enclosed is her training and experience in accordance with 10CFR, parts 35.980 and 35.981.
2. Point of contact concerning this action is the Radiation Protection Officer, Madigan Army Medical Center, ATTN: MCHJ-PVR, Tacoma, Washington 98432. DSN 782-4300 or commercial (206)968-4300.

FOR THE COMMANDER:

ENCL

MICHAEL J. FOSTER
LTC, MS
Executive Officer*572441*



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



REPLY TO
ATTENTION OF:

MCHL-RX

4 October 1996

MEMORANDUM FOR CAPTAIN STACIA L. SPRIDGEN, Nuclear Pharmacy Resident, Department of Pharmacy, Walter Reed Army Medical Center, 20307-5001

SUBJECT: Preceptor Statement

Captain Stacia L. Spridgen, 499-80-9898, has successfully completed all requirements for the American Society of Health-Systems Pharmacists (ASHP) accredited residency in Nuclear Pharmacy Practice. She has completed 2060 plus hours of didactic and hands-on experience in the following areas, which are in accordance with Title 10 CFR, part 35.980 and 35.981. A breakdown of the time allocations are enclosed.

DIDACTIC:

- Radiation Physics and Instrumentation
- Radiation Protection
- Mathematics pertaining to the use & measurement of radioactivity
- Chemistry of byproduct material for medical use
- Radiation biology

HANDS-ON:

- Shipping, receiving & performing related radiation surveys.
- Using & performing checks for proper operation of dose calibrators and survey meters.
- Calculating, assaying, and safely preparing dosages for patients or human research subjects.
- Using administrative controls to avoid mistakes in the administration of byproduct material.
- Using procedures to prevent or minimize contamination and using proper decontamination procedures.

I deem that Captain Spridgen is competent to independently operate a nuclear pharmacy, having completed the above training during the time frame of 28 September 1995 to 4 October 1996, under NRC license number 08-01738-02, at Walter Reed Army Medical Center, Washington, DC 20307.

I am a Board Certified Nuclear Pharmacist (BCNP), and have served as her preceptor authorized nuclear pharmacist for this entire time period. My certification number with the Board of Pharmaceutical Specialties is BCNP 85010212, for the period of 1992 - 1999.

MICHAEL D. BERNDT, BCNP
Lieutenant Colonel, Medical Service
Director, Nuclear Pharmacy Residency Program

Enclosure

Training and Experience, Authorized User, Stacia L. Spridgen, 499-80-9898.

Training Received in Basic Radioisotope Handling Techniques:			
Field of Training	Location & Date(s) of Training	Type and Length of Training	
		Hours Lecture	Hours OJT
Radiation Physics & Instrumentation	WRAMC, Washington DC September 1995 to October 1996	130	170
Radiation Protection	WRAMC, Washington DC September 1995 to October 1996	60	250
Mathematics Pertaining to the use & measurement of Radioactivity	WRAMC, Washington DC September 1995 to October 1996	60	250
Radiation Biology	WRAMC, Washington DC September 1995 to October 1996	60	160
Radiopharmaceutical Chemistry	WRAMC, Washington DC September 1995 to October 1996	60	800

Experience with Radiation (Actual use of Radioisotopes)

Isotope	Maximum Amount (mCi)	Where Experience was gained	Duration	Type of Use
Ba-133	1	WRAMC-#08-01738-02	1 year	Sealed Source
Co-57	15	"	1 year	Diagnostic & Sealed Source
Cs-137	1	"	1 year	Sealed Source
Cr-51	0.25	"	1 year	Diagnostic
Ga-67	20	"	1 year	Diagnostic
In-111	10	"	1 year	Diagnostic / Compounding
I-123	1	"	1 year	Diagnostic
I-125	0.5	"	1 year	Diagnostic
I-131	350	"	1 year	Therapy
Mo-99	5000	"	1 year	Generator
P-32	15	"	1 year	Therapy
Sr-89	5	"	1 year	Therapy
Tc-99m	5000	"	1 year	Diagnostic / Compounding
Tl-201	40	"	1 year	Diagnostic
Xe-133	500	"	1 year	Diagnostic

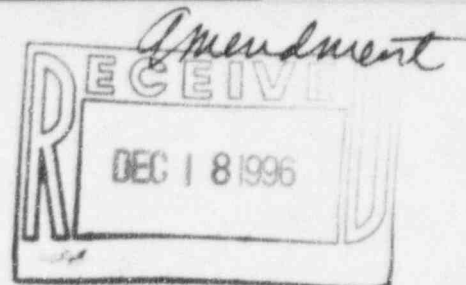
572441



DEPARTMENT OF THE ARMY
HEADQUARTERS, U.S. ARMY MEDICAL COMMAND
2050 WORTH ROAD
FORT SAM HOUSTON, TEXAS 78234-6000
December 9, 1996

REPLY TO
ATTENTION OF

Preventive Medicine
and Wellness Division



030-03368

U.S. Nuclear Regulatory Commission, Region IV
Materials Radiation Protection Section
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011

Dear Sir or Madam:

I am forwarding the enclosed request from Madigan Army Medical Center to amend their license to add Captain Stacia L. Spridgen as an authorized Nuclear Pharmacist for NRC License 46-02645-03.

If I can be of any assistance, please do not hesitate to call me at (210) 221-6612.

Sincerely,

Eric G. Daxon, PhD, CHP
Lieutenant Colonel, U.S. Army
Radiation Protection Staff
Officer

Enclosure

Copies Furnished:

Commander, U.S. Army Center for Health Promotion and
Preventive Medicine, Attention: MCHB-MR-HM, Aberdeen
Proving Ground, Maryland 21010-5422 (with enclosure)
Commander, Madigan Army Medical Center,
Attention: MCHJ-PVR, Tacoma, Washington 98431
(without enclosure)

572441



DEPARTMENT OF THE ARMY
MADIGAN ARMY MEDICAL CENTER
TACOMA, WASHINGTON 98431

REPLY TO
ATTENTION OF:

MCHJ-PVR (385-11m)

23 October 1996

RD 8 NOV
MEMORANDUM THRU Commander, U.S. Army Medical Command, ATTN: MCHO-CL-
W, 2050 Worth Road, Fort Sam Houston, Texas
78234-6000

For U.S. Nuclear Regulatory Commission, Region IV, Materials Radiation Protection section,
611 Ryan Plaza Drive, Suite 1000, Arlington, Texas 76011

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FOR THE COMMANDER:

ENCL

Michael J. Foster
MICHAEL J. FOSTER
LTC, MS
Executive Officer

REPLY TO
ATTENTION OF:DEPARTMENT OF THE ARMY
WALTER REED ARMY MEDICAL CENTER
WASHINGTON, DC 20307-5001

MCHL-RX

4 October 1996

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SUBJECT: Preceptor Statement

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DIDACTIC:

- Radiation Physics and Instrumentation
- Radiation Protection
- Mathematics pertaining to the use & measurement of radioactivity
- Chemistry of byproduct material for medical use
- Radiation biology

HANDS-ON:

- Shipping, receiving & performing related radiation surveys.
- Using & performing checks for proper operation of dose calibrators and survey meters.
- Calculating, assaying, and safely preparing dosages for patients or human research subjects.
- Using administrative controls to avoid mistakes in the administration of byproduct material.
- Using procedures to prevent or minimize contamination and using proper decontamination procedures.

I deem that Captain Spridgen is competent to independently operate a nuclear pharmacy, having completed the above training during the time frame of 28 September 1995 to 4 October 1996, under NRC license number 08-01738-02, at Walter Reed Army Medical Center, Washington, DC 20307.

I am a Board Certified Nuclear Pharmacist (BCNP), and have served as her preceptor authorized nuclear pharmacist for this entire time period. My certification number with the Board of Pharmaceutical Specialties is BCNP 85010212, for the period of 1992 - 1999.

MICHAEL D. BERNDT, BCNP
Lieutenant Colonel, Medical Service
Director, Nuclear Pharmacy Residency Program

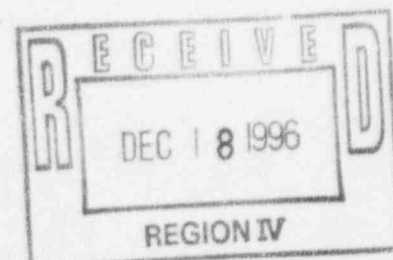
Enclosure

Training and Experience, Authorized User, Stacia L. Spridgen, 499-80-9898.

Training Received in Basic Radioisotope Handling Techniques:			
Field of Training	Location & Date(s) of Training	Type and Length of Training	
		Hours Lecture	Hours OJT
Radiation Physics & Instrumentation	WRAMC, Washington DC September 1995 to October 1996	130	170
Radiation Protection	WRAMC, Washington DC September 1995 to October 1996	60	250
Mathematics Pertaining to the use & measurement of Radioactivity	WRAMC, Washington DC September 1995 to October 1996	60	250
Radiation Biology	WRAMC, Washington DC September 1995 to October 1996	60	160
Radiopharmaceutical Chemistry	WRAMC, Washington DC September 1995 to October 1996	60	800

Experience with Radiation (Actual use of Radioisotopes)

Isotope	Maximum Amount (mCi)	Where Experience was gained	Duration	Type of Use
Ba-133	1	WRAMC-#08-01738-02	1 year	Sealed Source
Co-57	15	"	1 year	Diagnostic & Sealed Source
Cs-137	1	"	1 year	Sealed Source
Cr-51	0.25	"	1 year	Diagnostic
Ga-67	20	"	1 year	Diagnostic
In-111	10	"	1 year	Diagnostic / Compounding
I-123	1	"	1 year	Diagnostic
I-125	0.5	"	1 year	Diagnostic
I-131	350	"	1 year	Therapy
Mo-99	5000	"	1 year	Generator
P-32	15	"	1 year	Therapy
Sr-89	5	"	1 year	Therapy
Tc-99m	5000	"	1 year	Diagnostic / Compounding
Tl 201	40	"	1 year	Diagnostic
Xe-133	500	"	1 year	Diagnostic



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