

## MATERIALS LICENSE

Amendment No. 67

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.

**OFFICIAL RECORD COPY**

Licensee		In accordance with the letter dated May 6, 1996,
1. VA Connecticut Health Care System- West Haven Campus		3. License Number 06-00092-05 is amended in its entirety to read as follows:
2. 950 Campbell Avenue West Haven, Connecticut 06516		4. Expiration Date August 31, 2004
		5. Docket or Reference No. 030-01237/030-01283
6. Byproduct, Source, and/or Special Nuclear Material	7. Chemical and/or Physical Form	8. Maximum Amount that Licensee May Possess at Any One Time Under This License
A. Any byproduct material with Atomic Numbers between 3 and 83 and half-life less than or equal to 120 days	A. Any	A. Not to exceed 300 millicuries per radionuclide and 5 curies total
B. Any byproduct material with Atomic Numbers between 3 and 83	B. Sealed sources	B. Not to exceed 300 millicuries per source and 5 curies total
C. Hydrogen 3	C. Any	C. 500 millicuries
D. Carbon 14	D. Any	D. 300 millicuries
E. Calcium 45	E. Any	E. 100 millicuries
F. Technetium 99m	F. Any	F. 2 curies
G. Cesium 137	G. Sealed source (J. L. Shepherd calibrator Model 28-5 containing sealed source Model 6810)	G. 100 millicuries per source and 200 millicuries total
H. Gadolinium 153	H. Sealed sources	H. 2 curies per source and 4 curies total
9. Authorized use		
A. through H. Medical diagnosis, therapy, and research in humans in accordance with any applicable Food and Drug Administration (FDA) requirements. Research and development as defined in 10 CFR 30.4, including animal studies and calibration of instruments.		

## CONDITIONS

10. Licensed material may be used only at the licensee's facilities located at 950 Campbell Avenue, West Haven, Connecticut and the Newington Campus, 555 Willard Avenue, Newington, Connecticut.
11. A. Licensed material shall be used by, or under the supervision of, individuals designated in writing by the Radiation Safety Committee, Holley M. Dey, M.D., Chairperson.

ML 10

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number

06-00092-05

Docket or Reference Number

030-01237/030-01283

Amendment No. 67

- B. The use of licensed material in or on humans shall be by a physician, dentist, or podiatrist as defined in 10 CFR 35.2.
- C. Physicians, dentists, or podiatrists designated to use licensed material in or on humans shall meet the training criteria established in 10 CFR 35, Subpart J and shall be designated in writing by the licensee's Radiation Safety Committee.
- D. The Radiation Safety Officer for this license is Terry Yoshizumi, Ph.D.
12. Notwithstanding the requirements of 10 CFR 35.49(a) and (b), 35.100, 35.200, 35.300, 35.400 and 35.500 the licensee may use for any medical use any byproduct material or reagent kit. The licensee shall possess and use byproduct material for medical use in accordance with the prescriptive and performance criteria in the other sections of 10 CFR 35. This does not relieve the licensee from complying with applicable U.S. Food and Drug Administration (FDA) and other Federal and State requirements.
13. A. 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 the foil temperatures from exceeding that specified in the certificate of registration referred to in 10 CFR 32.210.
- B. When in use, detector cells containing a titanium tritide foil or a scandium tritide foil shall be vented to the outside.
14. The licensee shall conduct a physical inventory every three months to account for all sealed sources and devices containing licensed material received and possessed pursuant to 10 CFR 35.59, 35.400 and 35.500 and every six months for all other sealed sources and devices.
15. A. Sealed sources and detector cells containing licensed material shall be tested for leakage and/or contamination at intervals not to exceed six months or at such other intervals as are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed three years.
- 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 three months.
- C. In the absence of a certificate from a transferor indicating that a leak test has been made within six 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 and detector cells need not be leak tested if:
- (i) they contain only hydrogen-3; or
  - (ii) they contain only a radioactive gas; or

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License Number

06-00092-05

Docket or Reference Number

030-01237/030-01283

Amendment No. 67

- (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 transfer 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 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 and the source or detector cell shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within five days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region I, ATTN: Chief, Nuclear Materials Safety Branch, 475 Allendale Road, King of Prussia, Pennsylvania 19406. The report shall specify the source or detector cell involved, the test results, and corrective action taken.

G. The licensee is authorized to collect leak test samples for analysis by the licensee. Alternatively, tests for leakage and/or contamination may be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.

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 hold radioactive material with a physical half-life of less than 90 days for decay-in-storage before disposal in ordinary trash, provided:

A. Waste to be disposed of in this manner shall be held for decay a minimum of ten half-lives.

B. Before disposal as ordinary trash, the waste shall be surveyed at the container surface with the appropriate survey instrument set on its most sensitive scale and with no interposed shielding to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.

C. A record of each such disposal permitted under this License Condition shall be retained for three years. The record must include the date of disposal, the date on which the byproduct material was placed in storage, the radionuclides disposed, the survey instrument used, the background dose rate, the dose rate measured at the surface of each waste container, and the name of the individual who performed the disposal.

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License Number

06-00092-05

Docket or Reference Number

030-01237/030-01283

Amendment No. 67

18. Radioactive waste generated shall be stored in accordance with the statements, representations, and procedures included with the waste storage plan described in the licensee's letters dated September 13, 1992 and November 29, 1994.
19. Experimental animals, or the products from experimental animals, that have been administered licensed materials shall not be used for human consumption.
20. The licensee shall possess and use byproduct material for human research in accordance with the prescriptive and performance criteria in all sections of 10 CFR Part 35 except sections 35.49(a) and (b), 35.100, 35.200, and 35.300.
21. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
22. The licensee shall not acquire licensed material in a sealed source or device unless the source or device has been registered with the U.S. Nuclear Regulatory Commission pursuant to 10 CFR 32.210 or equivalent regulations of an Agreement State.
23. 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 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 February 14, 1991
- B. Letter dated November 12, 1993
- C. Letter dated May 19, 1994
- D. Letter dated May 6, 1996

For the U.S. Nuclear Regulatory Commission

**ORIGINAL SIGNED BY:**  
**THOMAS K. THOMPSON**

By

Nuclear Materials Safety Branch  
Region I

King of Prussia, Pennsylvania 19406

JUL 27 1996

Date \_\_\_\_\_

JUL 27 1996

Vincent Ng  
Director  
VA Connecticut Healthcare System  
950 Campbell Avenue  
West Haven, Connecticut 06516

Dear Mr. Ng:

This refers to your license amendment request. Enclosed with this letter is the amended license. Please note that as part of this amendment, in accordance with 10 CFR 30.36, effective February 15, 1996, the expiration date of your license has been extended by a period of five years. Your new expiration date is stated in Item 4 of the license.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5093 or 5239, so that we can provide appropriate corrections and answers.

Thank you for your cooperation.

Sincerely,

**ORIGINAL SIGNED BY:  
THOMAS K. THOMPSON**

Thomas K. Thompson  
Division of Nuclear Materials Safety

License No. 06-00092-05  
Docket No. 030-01237  
Control No. 123235

Enclosure:  
Amendment No. 67

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

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**ML 10**



DOCUMENT NAME: R:\WPS\MLTR\L0600092.05

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	<i>MS</i>	N	DNMS/RI	<i>MS</i>	N			
NAME	Beardsley/mrb			Thompson					
DATE	06/29/96			06/23/96			06/ /96		06/ /96

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DEPARTMENT OF VETERANS AFFAIRS  
Medical Center  
950 Campbell Avenue  
West Haven CT 06516

030-01237

MAY 06 1996

In Reply Refer To:

U.S. Nuclear Regulatory Commission  
Region I  
Nuclear Materials Safety Branch  
and Safeguards  
475 Allendale Road  
King of Prussia, PA 19406-1415

Subject: Termination of the Newington VA Medical License and Integration into the VA Connecticut Broad Scope License.

Broad Scope License No. 06-00092-05, West Haven Campus  
Medical License No. 06-11222-01, Newington Campus

Dear Sir:

This is an amendment application for the consolidation of the Newington Medical License (License No. 06-11222-01) into the VA Connecticut Broad Scope License (License No. 06-0092-05). The amendment application pertains to the termination of the Newington VA Medical License and the integration of the Newington Nuclear Medicine program into the VA Connecticut Broad Scope License under the VA Connecticut Healthcare System (VACTHS).

More specifically, we would like to make the following changes:

- (1) Retire the Newington Medical License, NRC No. 06-11222-01, effective immediately.
- (2) Integrate the Newington Nuclear Medicine program into the VA Connecticut Broad Scope License, NRC No. 06-0092-05.
- (3) Chain of Commands in the Radiation Safety Program:
  - The Radiation Safety Office is under the direction of the Chief of Staff Office.
  - Dr. Terry Yoshizumi is the RSO for the entire VACTHS.
  - Ms. Leslie Delpin is designated as the Assistant RSO for the West Haven campus, and Mr. Larry Swing (Mr. Swing has been designated as the RSO under the Newington License 06-11222-01) is designated as the Assistant RSO for the Newington campus. The establishment of Assistant RSO positions is based on the physical distance of the Newington campus, which is approximately 45 miles away from the West Haven campus.

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MAY 13 1996

(4) New Radiation Safety Committee:

- The RSC will be chaired by Dr. Holley Dey, as before.
- Dr. Vento and Mr. Swing, from Newington Nuclear Medicine, will be added to the membership, representing the Newington campus.

(5) Program changes in the Newington Nuclear Medicine Lab:

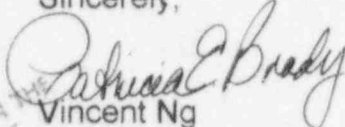
- We will adopt the existing West Haven NRC QM Program, since the West Haven QM program has been reviewed and approved by the NRC.
- No molybdenum generator will be used in the future (Re: Item 10.10 in the 1991 Newington renewal application).

(6) Linearity Test of Dose Calibrator in Newington Nuclear Medicine:

- The Newington Nuclear Medicine Lab will continue to use the Calicheck Kit for the linearity test, which was described in the 1991 Newington renewal application.

If you have any questions, please call Dr. Terry Yoshizumi, Radiation Safety Officer at (203) 932-5711 X3604.

Sincerely,



Vincent Ng

Director, VA Connecticut Healthcare System

FOR AND IN THE  
ABSENCE OF

Attachment: Supporting Materials for Leslie Delpin as Asst. RSO





DEPARTMENT OF VETERANS AFFAIRS  
Medical Center  
St Louis MO 63125

May 10, 1996

In Reply Refer To:

U.S. Nuclear Regulatory Commission  
Region I  
475 Allendale Rd.  
King of Prussia, PA 19406-1415

SUBJECT: NRC License No. 06-11222-01

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

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

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

Sincerely,

*for* *Cindy Bukowsky*

Francis K. Herbig  
Health Physics Programs

123235

MAY 13 1996

**VA CONNECTICUT HEALTHCARE SYSTEM  
NRC LICENSE NO. 06-00092-05**

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**ATTACHMENT**

- 1. Healthcare Bulletin - Radiation Safety Office Reorganization (3/27/96)**
- 2. CV - Leslie Delpin, M.S.**

DEPARTMENT OF VETERANS AFFAIRS  
VA CONNECTICUT HEALTHCARE SYSTEM

HEALTHCARE SYSTEM BULLETIN NO. 96-11

March 27, 1996

/11/

RADIATION SAFETY OFFICE REORGANIZATION

MESSAGE: As a result of changes brought about through integration, the Radiation Safety Offices of Newington and West Haven have combined and are now under the direction of the Chief of Staff Office/11. Radiation Safety offices can be reached on the following lines:

West Haven (203) 932-5711 ext. 3604  
Newington (860) 667 - 6708

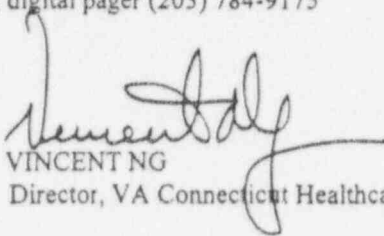
Radiation Safety office staff can be contacted by calling the numbers below:

Dr. Terry Yoshizumi  
Radiation Safety Officer, (203) 932-5711, ext. 3604, digital pager (203) 784-9804

Leslie Delpin, MS  
Assistant Radiation Safety Officer (West Haven), (203) 932-5711 ext. 5142, digital pager (203) 784-9174

Larry Swing, BS  
Assistant Radiation Safety Officer (Newington), (860) 667-6708

Richard Artis  
Radiation Safety Technician (West Haven), (203) 932-5711 ext. 3605, digital pager (203) 784-9175

  
VINCENT NG  
Director, VA Connecticut Healthcare System

DISTRIBUTION: "C"

# **LESLIE DELPIN, M.S., R.B.P.**

## **EDUCATION**

Undergraduate: SUNY at Stony Brook, Bachelor of Science, 1972.  
Biology/Anthropology Premed.

Graduate: University of Southwestern Louisiana, Master of Science, 1979.  
Microbiology/Immunology.

Michigan State University, 1983-1985.  
Doctoral studies, Microbiology.

## **RELATED WORK EXPERIENCE** (1989 To Present)

1995-Present Assistant Radiation Safety Officer, VA CT Healthcare System, Chief of Staff Office, West Haven, CT.

1994-Present Biosafety Officer/Health Physicist, VA CT Healthcare System, Research Service, West Haven, CT.

1989-1994 Biosafety Specialist, Office of Environmental Health and Safety, Yale University, New Haven, CT.

## **TEACHING EXPERIENCE** (in Health Physics)

1994-present Radiation Safety Training Coordinator, VA CT Healthcare System

## **PROFESSIONAL AFFILIATIONS**

American Society for Microbiology (ASM) member since 1975.  
American Biological Safety Association (ABSA) member since 1991.  
Mid-Atlantic Biological Safety Association (MABSA)- Secretary (Executive Council 95-97)  
American Industrial Hygiene Association (AIHA) member since 1994.  
NAFE member 1990-94, 1996.

## **PROFESSIONAL CERTIFICATION**

Registered Biological Safety Professional

## **COMMITTEE APPOINTMENTS**

Fire and Safety Committee (VA CT Healthcare System) 1994-present  
Biological Safety Subcommittee (VA CT Healthcare System) 1995-present  
Biological Safety Committee (Yale University) 1994-present  
EPA Task Force (VA CT Healthcare System) 1996

**CONTINUING EDUCATION (1989-Present)**

1995 Radiation Safety Training Workshop, VA Central Region,  
Chicago, IL.

1994 Medical Physics Lecture Series, Yale University Nuclear  
Medicine Division/VA CT Healthcare System, West Haven,  
CT.  
Radiation Safety Seminar, OEHS, Yale University.  
OSHA 1910.120 24 hour Hazardous Materials Training,  
Office of Occupational Health and Safety, Yale University,  
New Haven, CT.  
"Understanding the New 10 CFR 20", OEHS, Yale University.

1993 Radiation Safety Seminar, OEHS, Yale University.  
"Effective Oral Presentation for Professionals", Sloane  
Communication Systems, New Haven, Connecticut.  
Emergency Responders Training, Department of Chemical  
Safety, Office of University Safety, Yale University, New  
Haven.

1992 "Radiation Protection for Biomedical Research", Technical  
Management Services Inc. and Yale University.  
Risk Communication/Risk Perception Seminar, Occupational  
and Environmental Health Symposium, Hartford CT.  
"Managing from the Middle", Management Seminar,  
Department of Human Resources, Yale University.  
Risk Communication/Risk Perception Seminar, Occupational  
and Environmental Health Symposium, Hartford, CT.  
E.P.A. Indoor Air Conference, J.B. Pierce Lab and Yale  
University, New Haven, Connecticut.  
Supervisor's Seminar, Department of Human Resources, Yale  
University.  
Radiation Safety Seminar, OEHS, Yale University.

1991 Safety Cabinet Technology, John Eagelson Jr. Institute. Safety  
Cabinets and Fume Hoods as Dynamic HVAC Components,  
John Eagelson Jr. Institute, Sanford, ME.

1990 Radiation Safety Seminar, OEHS, Yale University.

1989 Laboratory Biosafety Principles and Practices Course, Office  
of Biosafety, Laboratory Centre for Disease Control Health  
and Welfare, Canada.  
"Powerful Writing Skills", Success Builders, Hartford, CT.



: (FOR LFMS USE)  
: INFORMATION FROM LTS  
:

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: PROGRAM CODE: 02110
: STATUS CODE: 0
: FEE CATEGORY: EX 78
: EXP. DATE: 20040831
: FEE COMMENTS: V
: DECOM FIN ASSUR REQD: Y
: .....

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## A. REGION

APPLICANT/LICENSEE: V. A. DEPARTMENT OF  
RECEIVED DATE: 960513  
DOCKET NO: 3001237  
CONTROL NO.: 123235  
LICENSE NO.: 06-00092-05  
ACTION TYPE: AMENDMENT

AMOUNT: \_\_\_\_\_  
CHECK NO.: \_\_\_\_\_

REF. 123234.

M. A. Perkins  
5/24/96

1. FEE CATEGORY AND AMOUNT:

FILE EXEMPT

AMENDMENT	.....
RENEWAL	.....
LICENSE	.....

SIGNED  
DATE