

ACCEPTANCE REVIEW MEMO (ARM)

Licensee: St. Vincent Healthcare

License No.: 25-07553-01

Docket No.: 030-02396

Mail Control No.: 471453

Type of Action: Amend

Date of Requested Action: 07-19-07

Reviewer
Assigned:

ARM reviewer(s): Torres

Response	Deficiencies Noted During Acceptance Review
	<ul style="list-style-type: none">[] Open ended possession limits. Limit possession. Submit inventory.[] Submit copies of most recent leak test results.[] Add - delete IC license condition. Add IC paragraph in cover letter.[] Split license from cover letter. Add SUNSI marking to license.[] Ask the licensee if they have any type-amount of EPAct Material.

Reviewer's Initials: _____

Date: _____

- ☐ Yes ☐ No Unrestricted release Group 2 or >: Transfer memo to FCDB within 10 days.
- ☐ 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: ATC

Date: AUG - 7 2007

Pre-Licensing Screening

Applicant Information:

Control No. 471453

Name: St. Vincent Healthcare	Type of Request: Amend Program Code(s):
Location: MT	License No.: 25-07553-01 Docket No.: 030-02396

STEP 1–Radioactive Materials and Quantities Requested:

Instructions for Step 1: Complete Step 1 for all applications. If all your responses in Step 1 are "No" then do not complete Step 2 (Screening Criteria). Sign and date the completed step-sheet and add it as the sensitive and non-publicly available OAR in ADAMS. If a "yes" response is indicated for any item in Step 1, also complete Step 2. If the type of use is subject to a Security Order or the requirements for increased controls, complete Step 3 (Item A or Item B) without delay.		Yes or No
A.	The request is from a new applicant.	No
B.	NUREG-1556, Volume 20, Section 4.9 indicates a licensing site visit is needed for the requested type of use, e.g., (1) Type A broad scope license, (2) panoramic irradiator containing > 10000 curies, (3) manufacturers or distributors using unsealed radioactive material or significant quantities of sealed material, (4) radioactive waste brokers, (5) radioactive waste incinerators, (6) commercial nuclear laundries, and (7) any other application that in the judgement of the reviewer and cognizant supervisor involves complex technical issues, complex safety questions, or unprecedented issues that warrant a site visit.	No
C.	The applicant requested certain radionuclides and quantities that equal or exceed the Risk Significant Quantity (TBq) values in the table, below, that have been "highlighted" by the reviewer	No

Table of Risk Significant Quantities

(Category 2 Quantities, IAEA Safety Guide No. RS-G-1.9, Categorization of Radioactive Sources, August 2005)

Radionuclide	Risk Significant Quantity (TBq ¹)	Risk Significant Quantity (Ci ¹)	Radionuclide	Risk Significant Quantity (TBq ¹)	Risk Significant Quantity (Ci ¹)
Am-241	0.6	16	Pm-147	400	11,000
Am-241/Be	0.6	16	Pu-238	0.6	16
Cf-252	0.2	5.4	Pu-239/Be	0.6	16
Cm-244	0.5	14	Ra-226 ²	0.4	11
Co-60	0.3	8.1	Se-75	2	54
Cs-137	1	27	Sr-90 (Y-90)	10	270
Gd-153	10	270	Tm-170	200	5,400
Ir-192	0.8	22	Yb-169	3	81

- ¹ The primary values are TBq. The curie (Ci) values are for informational purposes only.
² The Atomic Energy Act, as amended by the Energy Policy Act of 2005, authorizes NRC to regulate Ra-226 and NRC is in the process of amending its regulations for discrete sources of Ra-226.

Calculations of the Total Activity or the Unity Rule are attached to document whether or not the screening criteria in Step 2 were also completed to evaluate the application. NOTE--If an amendment of an existing license is being requested, the calculations will include the previously authorized quantities for the radionuclide(s).	Yes, No, or Not Applicable (NA)
Total Activity--multiple activities are requested for a single radionuclide and the sum of the activities equals or exceeds the quantity of concern for the radionuclide	—
Unity Rule--multiple radionuclides are requested and the sum of the ratios equals or exceeds unity, e.g., [(total activity for radionuclide A) ÷ (risk significant quantity for radionuclide A)] + [(total activity for radionuclide B) ÷ (risk significant quantity for radionuclide B)] ≥ 1.0.	—

Signature and Date for Step 1:


 License Reviewer and Date

AUG - 7 2007



St. Vincent
Healthcare

1233 North 30th Street, Billings, MT 59101

RADIOLOGY DEPT.

Front Office TELEFAX # (406) 237-4393

File Room TELEFAX # (406) 237-4384

TELEFAX TRANSMISSION HEADER

Date: July 25, 2007

Pages: (Excluding this page) 1

Destination: Roberto Torres

Sent by: Chris Fitz-Radiation
Safety Officer

U.S. Nuclear Regulatory

If any transmission problems arise, please call :

Commission, Region IV

1-406-237-4341

1-817-860-8188

Regarding: Amendment request for St. Vincent Healthcare

Comments: License number 25-07553-01



St. Vincent Healthcare

Sisters of Charity of Leavenworth Health System

July 19, 2007

Roberto J. Torres, Senior Health Physicist
U.S. Nuclear Regulatory Commission, Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011
817-860-8188

Christopher K. Fitz, Radiation Safety Officer
St. Vincent Healthcare
Radiology Department
P.O. Box 35200
Billings, MT 59107

Re: Amendment Request for St. Vincent Healthcare License Number 25-07553-01

Mr. Torres, we request to add a new authorized user to our license. Please accept this letter and the supporting material to add Margaret M. Barnes, MD, as an authorized user for 10 CFR 35.400 use of radioactive material. Dr. Barnes was last authorized on NRC License Number 37-12486-01.

If you require addition information please call me at 406-672-6756.

Sincerely,

Christopher K. Fitz, J.D., M.S.
Radiation Safety Officer

Steve Shandera
Vice President, Clinical Services



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

August 14, 2000

Docket No. 03003162
Control No. 128399

License No. 37-12486-01

Roy A. Powell
President
Frankford Hospital
Frankford Avenue and Wakeling Street
Philadelphia, PA 19114

SUBJECT: FRANKFORD HOSPITAL, ISSUANCE OF LICENSE AMENDMENT, CONTROL
NO. 128399

Dear Mr. Powell:

This refers to your license amendment request. Enclosed with this letter is the amended license naming Eric L. Gressen, M.D. as an authorized user.

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 Steven Courtemanche

Steven Courtemanche
Health Physicist
Nuclear Materials Safety Branch 1
Division of Nuclear Materials Safety

Enclosure:
Amendment No. 34

cc:
Gary Coren, M.D., Radiation Safety Officer

NRC FORM 374

U.S. NUCLEAR REGULATORY COMMISSION

PAGE 1 OF 4 PAGES

Amendment No. 34

Duplicate

MATERIALS LICENSE

Duplicate

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		In accordance with the letter dated July 10, 2000,
1. Frankford Hospital		3. License number 37-12486-01 is amended in its entirety to read as follows:
2. Frankford Avenue and Wakeling Street Philadelphia, Pennsylvania 19114		4. Expiration date April 30, 2005
		5. Docket No. 030-03162 Reference No. 37-17643-01
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 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. 1000 millicuries
D. Any byproduct material identified in 10 CFR 35.400	D. Any brachytherapy source identified in 10 CFR 35.400	D. 2000 millicuries
E. Any byproduct material identified in 10 CFR 35.500	E. Any diagnostic source identified in 10 CFR 35.500	E. 1.5 curies per source and 4.5 curies total
F. Any byproduct material identified in 10 CFR 31.11	F. Prepackaged Kits	F. 3.0 millicuries
G. Strontium 90	G. Sealed source (Model PTW-90)	G. 1.0 millicurie
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 for which a patient can be release under the provisions of 35.75.		

NRC FORM 374A

U.S. NUCLEAR REGULATORY COMMISSION

PAGE 2 of 4 PAGES

Duplicate

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

Duplicate

License Number

27-12486-01

Docket or Reference Number

030-03162

Amendment No. 34

Duplicate

- D. Any brachytherapy procedure approved in 10 CFR 35.400.
 E. Medical use of sealed sources approved in 10 CFR 35.500 in compatible devices registered pursuant to 10 CFR 30.32(g).
 F. In vitro studies.
 G. For use in instrument constancy.

CONDITIONS

10. A. Licensed material may be used only at the licensee's facilities located at Torresdale Division, Red Lion and Knights Road, Philadelphia, Pennsylvania.
 B. Licensed material except item 6.D. may be used at the licensee's facilities located at Frankford Division, Franklin Avenue and Wakeling Street, Philadelphia, Pennsylvania and at 9501 Roosevelt Boulevard, Philadelphia, Pennsylvania.
 C. Licensed material listed in item 6.A. and 6.B. may be used at the licensee's facilities located at Bucks County Campus, 380 North Oxford Valley Road, Langhorne, Pennsylvania.
 11. The Radiation Safety Officer for this license is Gary Coren, M.D.
 12. Licensed material listed in Item 6 above is only authorized for use by, or under the supervision of, the following individuals for the materials and uses indicated.

Authorized Users

Material and Use

Gary Coren, M.D.

35.100; 35.200; 35.500;
In vitro studies

Norman F. Ruttenberg, D.O.

35.100; 35.200; 35.500;
In vitro studies

Michael Brian Kates, M.D.

35.100; 35.200; 35.500;
In vitro studies;
 Iodine 131 for the treatment of hyperthyroidism and cardiac dysfunction;
 Strontium 89 for radiopharmaceutical procedures approved in 35.300

Marc R. Silver, D.O.

35.100; 35.200; 35.500;
In vitro studies

Martin Friedman, D.O.

35.100; 35.200; 35.300; 35.500;

Duplicate

Duplicate

Duplicate

NRC FORM 374A

U.S. NUCLEAR REGULATORY COMMISSION

PAGE 3 of 4 PAGES

Duplicate

MATERIALS LICENSE
SUPPLEMENTARY SHEET

Duplicate

License Number

97-12486-01

Duplicate

Docket or Reference Number

030-03162

Amendment No. 34

In vitro studies

Scott A. Haber, M.D.

35.100; 35.200; 35.500;

Iodine 131 for treatment of hyperthyroidism and
cardiac dysfunctionStrontium 89 for radiopharmaceutical procedures
approved in 35.300

Margaret M. Barnes, M.D.

35.400; Strontium 90 for instrument constancy

Christopher J. Gallagher, M.D.

35.400; Strontium 90 for instrument constancy

Eli F. Dweck, M.D.

35.100; 35.200; 35.300

Michael E. Peterson, M.D.

35.400

Robert T. Smith, M.D.

35.100; 35.200

Robert Miller, M.D.

35.100; 35.200

Eric L. Gressen, M.D.

35.400

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), 40.36(b), and 70.25(d) for establishing financial assurance for decommissioning.
14. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

Duplicate

Duplicate

Duplicate

NRC FORM 374A

U.S. NUCLEAR REGULATORY COMMISSION

PAGE 4 of 4 PAGES

Duplicate

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

Duplicate

License Number

37-12486-01

Docket or Reference Number

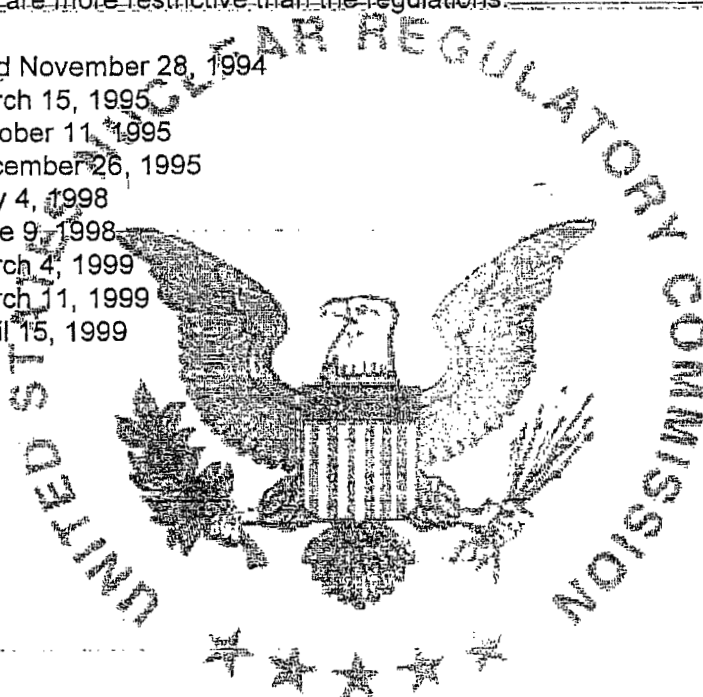
030-03162

Amendment No. 34

Duplicate

15. 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 November 28, 1994
- B. Letter dated March 15, 1995
- C. Letter dated October 11, 1995
- D. Letter dated December 26, 1995
- E. Letter dated May 4, 1998
- F. Letter dated June 9, 1998
- G. Letter dated March 4, 1999
- H. Letter dated March 11, 1999
- I. Letter dated April 15, 1999



For the U.S. Nuclear Regulatory Commission

Date August 14, 2000

By

Original signed by Steven Courtemanche

Steven Courtemanche
Nuclear Materials Safety Branch 1
Region I
King of Prussia, Pennsylvania 19406

Duplicate

Duplicate

Duplicate

