

March 26, 2009

Materials Licensing Section
U.S. Nuclear Regulatory Commission, Region III
2443 Warrensville Road, Ste 210
Lisle, IL 60532-4352
Attn: Patricia Pelke

Re: License Amendment Application for License No. 24-00889-01

Saint Luke's Hospital of Kansas City (SLH) is requesting that your office amend its Type A License of Broad Scope to incorporate. SLH is requesting the addition of a mobile van that contains a PET/CT unit and will service multiple client sites. Enclosed please find NRC Form 313, and supplemental attachments that will provide specific information regarding this program. Saint Luke's administration continues to provide its strongest backing to fulfill its materials license commitments. If you have any questions regarding this application, please contact Greg Sackett at (816) 932-6296.

Thank you for your consideration.



Greg Sackett, CHP
Radiation Safety Officer

Enc: NRC Form 313
Supplemental Information to NRC Form 313

RECEIVED MAR 30 2009

APPLICATION FOR MATERIALS LICENSE

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY
 OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS
 U.S. NUCLEAR REGULATORY COMMISSION
 WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM
 DIVISION OF NUCLEAR MATERIALS SAFETY
 U.S. NUCLEAR REGULATORY COMMISSION, REGION I
 475 ALLENDALE ROAD
 KING OF PRUSSIA, PA 19406-1415

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

MATERIALS LICENSING BRANCH
 U.S. NUCLEAR REGULATORY COMMISSION, REGION III
 2443 WARRENVILLE ROAD, SUITE 210
 LISLE, IL 60532-4352

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MISSISSIPPI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING BRANCH
 U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
 612 E. LAMAR BOULEVARD, SUITE 400
 ARLINGTON, TX 76011-4125

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

- A. NEW LICENSE
- B. AMENDMENT TO LICENSE NUMBER #24-00889-01
- C. RENEWAL OF LICENSE NUMBER

2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)

Saint Luke's Hospital of Kansas City
4401 Wornall Road
Kansas City, MO 64111

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

See attachment.

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Greg Sackett, CHP

TELEPHONE NUMBER

(816) 932-6296

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE

5. RADIOACTIVE MATERIAL
 a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

12. LICENSE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY AMOUNT ENCLOSED \$

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE

Kevin Thorpe, Vice President

SIGNATURE



DATE

3/26/09

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	

The supplemental information provided is intended to be consistent in format and content with Appendix V of NUREG-1556, Vol. 9, Rev 2.

NRC Form 313 Item 3, Additional addresses where byproduct material is currently used

The base facility for this addition is a mobile van, and there is no permanent structure for byproduct material storage. Secured off-street parking is available at all client locations. Secured storage facilities are available at Saint Luke's Hospital should the van become disabled. Byproduct materials are delivered directly to the van and only when licensee personnel are available. Letters required by 10 CFR 35.80(a) will be procured from each client entity that will clearly delineate the authority and responsibility of each entity.

Surveys have been performed to show that exposure rates do not exceed 2 mrem in any 1 hour nor 100 mrem/year outside of the restricted area.

NRC Form 313 Item 5, Radioactive Material

No change from current license.

NRC Form 313 Item 6, Purpose for which licensed material will be used

No change from current license.

NRC Form 313 Item 7, Individuals Responsible for Radiation Safety Program and their Training Experience

No change from current license.

NRC Form 313 Item 8, Training for Individuals Working in or Frequenting Restricted Areas

Drivers and technologists will be properly trained in applicable transportation regulations and emergency procedures specific to van operations in addition to required radiation safety training.

NRC Form 313 Item 9, Facilities and Equipment

See attached diagram of mobile van.

The van will have appropriate radiation monitoring instruments on board. These instruments will be calibrated by a person qualified to perform survey meter calibrations. Instruments will be checked for proper operation on each day of use. The camera will also be checked for proper function before medical use at each address.

NRC Form 313 Item 10, Radiation Safety Program

All System facilities operating under the broad scope license will follow the system radiation safety program, as provided in the Saint Luke's Hospital Radiation Safety Manual.

Emergency Procedures specific to the mobile van will be developed in accordance with NUREG-1556, Vol. 9, Rev. 2, Appendix V.

NRC Form 313 Item 11, Waste Management

Radioactive waste will be stored and secured in the mobile van, and monitored by van personnel. SLH will meet the requirements specified in 10 CFR 20 Subpart K.

**IN THE EVENT OF THEFT OR UNAUTHORIZED ENTRY, CONTACT SAINT LUKE'S
HOSPITAL SECURITY IMMEDIATELY AT 816-932-2911**

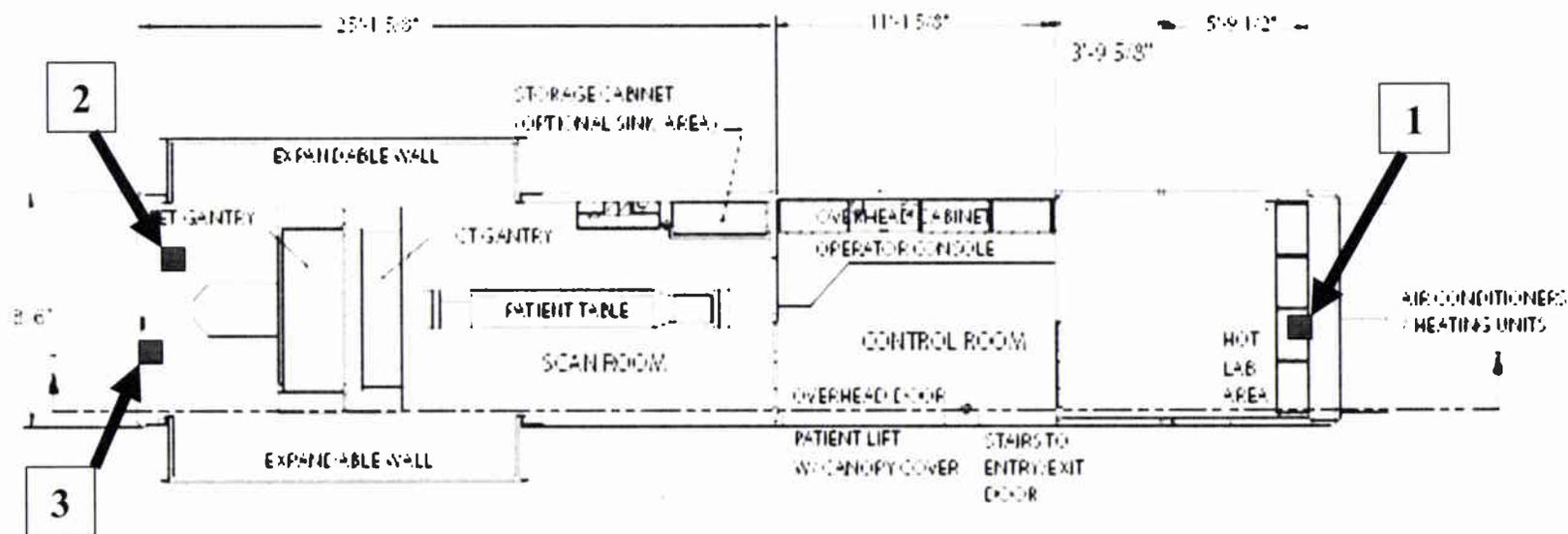
Storage Location	Radioisotope	Original Activity	Half-Life	Current Activity 3/26/09
1	Co-57	5.269 mCi	271.79 Days	1.225 mCi
1	Cs-137	.0005 mCi	30.07 Years	.00042 mCi
2	Ge-68	1.36 mCi	270.8 Days	.8088 mCi
3	Ge-68	2.42 mCi	270.8 Days	1.42 mCi
3	Ge-68	2.42 mCi	270.8 Days	1.42 mCi

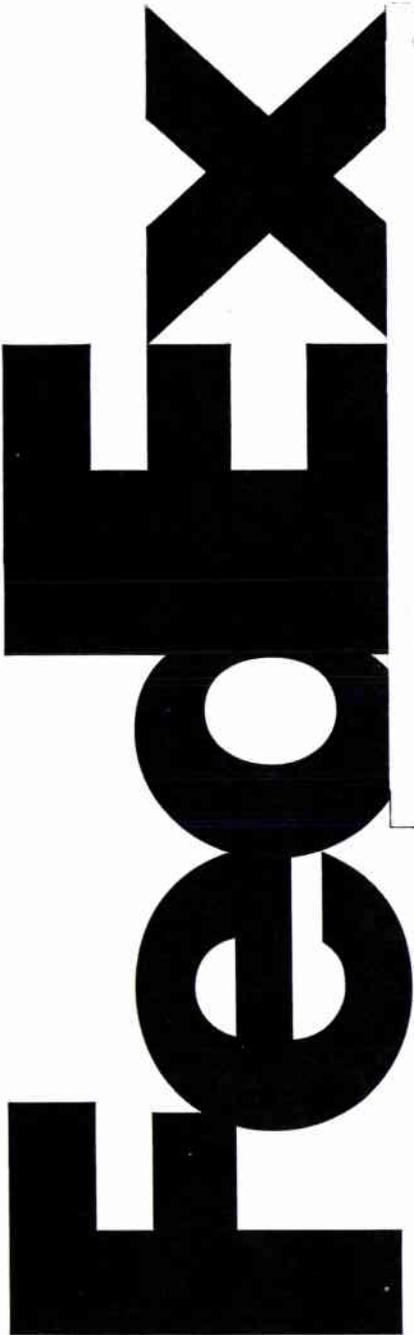
Notes:

Container 1 is a lead-lined well countersunk into a cabinet with a two-flap opening from above. The container is secure and locked during transport. Container one contains minuscule amounts of radioactive waste and two radioactive sources for equipment calibration.

Container 2 is a bolted to the floor and locked at all times, except when in use. It contains a radioactive source used for equipment calibration.

Container 3 is a lead-lined container bolted to the floor and locked at all times, except when in use. It contains a radioactive source used for equipment calibration.





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Sender's Name Greg Sackitt Phone 816 938-7006

Company ST LUKES HOSPITAL T100

Address 4401 WORNALL RD Independence, MO

City KANSAS CITY State MO ZIP 64111-3220

2 Your Internal Billing Reference 720000

3 To: Recipient's Name Patricia Pelke Phone _____

Company Whitman's Licensing section

Recipient's Address U.S. Nuclear Regulatory Commission Dept. 11

Address 3145 Warransville Road Ste 210

City Lisle State IL ZIP 60532-4054



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D **8652**
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