

## MATERIALS LICENSE

Amendment No. 46

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.

301994

## Licensee

1. St. Luke's South Shore
2. 5900 South Lake Drive  
Cudahy, WI 53110

In accordance with letter dated  
October 22, 1996

3. License Number 48-08325-01 is amended in  
its entirety as follows:

4. Expiration Date March 31, 2005

5. Docket or  
Reference No. 030-03462

6. Byproduct, Source, and/or  
Special Nuclear Material

- A. Any byproduct material  
identified in 10 CFR  
35.100
- B. Any byproduct material  
identified in 10 CFR  
35.200
- C. Any byproduct material  
identified in 10 CFR  
31.11

7. Chemical and/or Physical  
Form

- A. Any radiopharmaceutical  
identified in 10 CFR  
35.100
- B. Any radiopharmaceutical  
identified in 10 CFR  
35.200 (excluding  
xenon-133)
- C. Prepackaged Kits

8. Maximum Amount that Licensee  
May Possess at Any One Time  
Under This License

- A. As needed
- B. As needed
- C. As needed

## 9. Authorized Use:

- A. Medical use described in 10 CFR 35.100.
- B. Medical use described in 10 CFR 35.200 (excluding Xenon-133).
- C. In vitro studies.

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PDR ADOCK 03003462  
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MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License Number

48-08325-01

Docket or Reference Number

030-03462

Amendment No. 46

CONDITIONS

10. Location of Use: 5900 South Lake Drive, Cudahy, Wisconsin 53110.
11. Radiation Safety Officer: Douglas J. Simpkin, Ph.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 UsersMaterial and Use

- |                            |  |
|----------------------------|--|
| A. Daniel Rapp, M.D.       | 10 CFR 35.100, 35.200 (excluding Xenon-133) and 31.11. |
| B. Mack Karnes, M.D.       | 10 CFR 35.100, 35.200 (excluding Xenon-133) and 31.11. |
| C. Werner Kordas, M.D.     | 10 CFR 35.100, 35.200 (excluding Xenon-133) and 31.11. |
| D. Lynn M. Gilles, M.D.    | 10 CFR 35.100, 35.200 (excluding Xenon-133) and 31.11. |
| E. Jill A. Stephens, M.D.  | 10 CFR 35.100, 35.200 (excluding Xenon-133) and 31.11. |
| F. Lawrence M. Dubin, M.D. | 10 CFR 35.100, 35.200 (excluding Xenon-133) and 31.11. |
| G. Keith G. Bernard, M.D.  | 10 CFR 35.100, 35.200 (excluding Xenon-133) and 31.11. |
| H. Robert Allen Low, M.D.  | 10 CFR 35.100, 35.200 (excluding Xenon-133) and 31.11. |
13. Pursuant to Title 10, Chapter 1, Code of Federal Regulations, Part 40, "Domestic Licensing of Source Material," the licensee is authorized to possess, use, transfer, and import up to 999 kilograms of depleted uranium contained as shielding material in the molybdenum-99/technetium-99m generators authorized by this license.

COPY

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License Number  
48-08325-01

Docket or Reference Number  
030-03462

Amendment No. 46

14. 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 September 20, 1994; and
- B. Letters dated October 3, 1994, March 1, 1995, April 17, 1996, and October 22, 1996 (with attachments).

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date

11/8/96

By

*James Muller*  
Nuclear Materials Licensing Branch, Region III

COPY

BETWEEN:

License Fee Management Branch, ARM  
and  
Regional Licensing Sections

(FOR LFMS USE)  
INFORMATION FROM LTS

Program Code: 02121  
Status Code: 0  
Fee Category: 7C  
Exp. Date: 20050331  
Fee Comments: CODE 23  
Decon Fin Assur Req'd: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: ST. LUKE'S SOUTH SHORE  
Received Date: 961028  
Docket No: 3003462  
Control No.: 301994  
License No.: 48-08325-01  
Action Type: Amendment

2. FEE ATTACHED

Amount: ~~-----~~  
Check No.: ~~-----~~

*\* ADDL INFO  
301251-58*

3. COMMENTS

Signed *D. Hensley*  
Date *11-6-96*

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered ☒)

1. Fee Category and Amount: *7C*

**FEE NOT REQUIRED**

2. Correct Fee Paid. Application may be processed for:

Amendment ~~-----~~  
Renewal ~~-----~~  
License ~~-----~~

3. OTHER ~~-----~~

Signed *SC*  
Date *11/22/96*

NOV 26 1996

RECEIVED BY LFDCB	
Date	<i>NOV. 4, 1996</i>
Log	<i>NOV. 3 III</i>
By	<i>SC</i>
Date Completed	<i>11/22/96</i>



10 CFR 30.36(c)(1)(iv)  
10 CFR 40.42(c)(1)(iv)  
10 CFR 70.38(c)(1)(iv)

# CERTIFICATE OF DISPOSITION OF MATERIALS

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS MANDATORY INFORMATION COLLECTION REQUEST: 30 MINUTES. THIS SUBMITTAL IS USED BY NRC AS PART OF THE BASIS FOR ITS DETERMINATION THAT THE FACILITY HAS BEEN CLEARED OF RADIOACTIVE MATERIAL BEFORE THE FACILITY IS RELEASED FOR UNRESTRICTED USE. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (T-6 F33), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0028), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503. AN AGENCY MAY NOT CONDUCT OR SPONSOR, AND A PERSON IS NOT REQUIRED TO RESPOND TO, A COLLECTION OF INFORMATION UNLESS IT DISPLAYS A CURRENTLY VALID OMB CONTROL NUMBER.

INSTRUCTIONS: ALL ITEMS MUST BE COMPLETED - PRINT OR TYPE  
SEND THE COMPLETED CERTIFICATE TO THE NRC OFFICE SPECIFIED ON THE REVERSE

LICENSEE NAME AND ADDRESS

St Luke's South Shore  
5900 South Lake Drive  
Cudahy, WI 53110

LICENSE NUMBER

48-08325-01

LICENSE EXPIRATION DATE

March 31, 2000

## A. MATERIALS DATA (Check one and complete as necessary)

THE LICENSEE OR ANY INDIVIDUAL EXECUTING THIS CERTIFICATE ON BEHALF OF THE LICENSEE CERTIFIES THAT:

(Check and/or complete the appropriate item(s) below.)

- ☐ 1. NO MATERIALS HAVE EVER BEEN PROCURED OR POSSESSED BY THE LICENSEE UNDER THIS LICENSE.  
OR  
☒ 2. ~~NO~~ ACTIVITIES AUTHORIZED BY THE LICENSE HAVE CEASED AND ALL MATERIALS PROCURED AND/OR POSSESSED BY THE LICENSE NUMBER CITED ABOVE HAVE BEEN DISPOSED OF IN THE FOLLOWING MANNER. (If additional space is needed, use the reverse side or provide attachments.)

Describe specific material transfer actions and, if there were radioactive wastes generated in terminating this license, the disposal actions including the disposition of low-level radioactive waste, mixed waste, Greater-than-Class-C waste, and sealed sources, if applicable. The Varian Clinac 4, serial number 265, containing Uranium depleted in U-235 as Cadmium-plated metal (for shielding) has been sold to I. Gonzalez Martinez Oncologic Hospital in Puerto Rico. See attached pages.

For transfers, specify the date of the transfer, the name of the license recipient, and the recipient's NRC license number or Agreement State name and license number.

Clinac 4 with its uranium shielding was removed from this site on May 16, 1996, and sold to I. Gonzalez Martinez Oncologic Hosp. (NRC Lic # 52-13471-02, enclosed). Installation to this new site was completed August, 1996. See attached.

If materials were disposed of directly by the licensee rather than transferred to another licensee, licensed disposal site or waste contractor, describe the specific disposal procedures (e.g., decay in storage)

## B. OTHER DATA

- ☐ 1. OUR LICENSE HAS NOT YET EXPIRED; PLEASE TERMINATE IT.  
☐ 2. A RADIATION SURVEY WAS CONDUCTED BY THE LICENSEE TO CONFIRM THE ABSENCE OF LICENSED RADIOACTIVE MATERIALS AND TO DETERMINE WHETHER ANY CC

RECEIVED  
OCT 28 1996  
REGION III

- ☐ NO (Attach explanation)  
☐ YES, THE RESULTS (Check one)  
☐ ARE ATTACHED, or  
☐ WERE FORWARDED TO NRC ON

FEE NOT REQUIRED

OCT 28 1996  
REGION III

3. THE PERSON TO BE CONTACTED REGARDING THE INFORMATION PROVIDED ON THIS FORM

NAME

Douglas J. Simpkin

TELEPHONE NUMBER  
(Include Area Code)

414-644-6457

4. MAIL ALL FUTURE CORRESPONDENCE REGARDING THIS LICENSE TO

Douglas Simpkin, Dept of Radiology, St Luke's Medical Center,  
2900 W. OKLAHOMA AVE, MILWAUKEE, WI 53215

301994

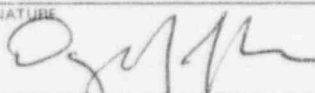
## CERTIFYING OFFICIAL

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE

DOUGLAS J. Simpkin, RSO

SIGNATURE



DATE

10/22/96

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECTS. 18 U.S.C. SECTION 1001 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 JURISDICTIONS.

FILE CERTIFICATES AS FOLLOWS:

IF YOU ARE A DISTRIBUTOR OF EXEMPT PRODUCTS, SEND TO:

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

ALL OTHERS, IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE,  
MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW  
JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR  
VERMONT, SEND APPLICATIONS TO:

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

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI,  
NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA,  
TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA,  
SEND APPLICATIONS TO:

NUCLEAR MATERIALS SAFETY SECTION  
U.S. NUCLEAR REGULATORY COMMISSION, REGION II  
101 MARIETTA STREET NW, SUITE 2800  
ATLANTA, GA 30323-0199

IF YOU ARE LOCATED IN:

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

MATERIALS LICENSING SECTION  
U.S. NUCLEAR REGULATORY COMMISSION, REGION III  
801 WARRENVILLE ROAD  
LISLE, IL 60532-4361

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

MATERIAL RADIATION PROTECTION SECTION  
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
611 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TX 76011-8064

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REGION II

**Jackson Radiographics, Inc.****Jack Trochesett**

9116 West Simmons Circle • Ocean Springs, Mississippi 39564 • (601) 875-0928 • Fax (601) 872-4042

May 16, 1996

St. Luke's Medical Center  
Milwaukee, Wisconsin

Attn: Phil Whitton

Dear Phil,

This letter is to inform you, as per our conversation, of Jackson Radiographics, Inc.'s part in the removal of the Varian Clinac 4, S.N. 265, from your facility. Jackson Radiographics is serving as broker between St. Lukes Medical Center and I. Gonzalez Martinez Oncologic Hospital In San Juan, Puerto Rico. The system will never be in the possession of Jackson Radiographics or its employees.

Thank you for your assistance in this matter.

Sincerely,

*Jack Trochesett*

Jack Trochesett, President  
by Kathleen Trochesett

*Kathleen Trochesett*

## CONTRACT OF SALE

I. Gonzales Martinez Oncologic Hospital (PURCHASER), and Jackson Radiographics Inc. (SELLER) agree to the conditions found herein. Upon payment of purchase price, Jackson Radiographics, Inc. will sell to PURCHASER and PURCHASER will purchase the following equipment.

(1) 1983 VARIAN CLINAC 480 LINEAR ACCELERATOR WITH BEAMSTOPPER. SERIAL NUMBER 265. ALSO INCLUDING BLOCKS, TRAYS, WEDGES, LASERS, MANUALS AND SERVICE RECORDS.

### PRICE;

For a price in U.S. Currency of (\$) installed and accepted.

### TERMS OF PAYMENT;

50% (\$) due prior to removal from hospital.  
15% (\$) before shipping to San Juan.  
20% (\$) when shipment is delivered to hospital.  
15% (\$) after acceptance.

### TAXES:

All sales and use taxes arising from the transaction are the responsibility of the PURCHASER.

### RIGHTS OF THE EQUIPMENT;

Title of the equipment shall remain with Jackson Radiographics, Inc. until the full purchase price is paid.

### DELIVERY;

SELLER is responsible for the removal and installation. Buyer is responsible for all room preparations or any modifications.

### WARRANTY;

Jackson Radiographics, Inc. warrants that it is the lawful owner of this equipment and it is free and clear of any liens or other incumbencies. Jackson Radiographics, Inc. warrants that all parts will be with the system and the system will be in good operational condition once installed. No warranties extend past the date of acceptance or the treatment of the first patient.

### RELEASE FROM LIABILITY FOR EQUIPMENT;

It is hereby understood and agreed that PURCHASER shall defend, and hold Jackson Radiographics, Inc. its employees, harmless from any property damage, personal injuries, or death arising out of the use of the articles purchased hereunder and/or arising out of the PURCHASER'S (or its representatives) work of performance.

SELLER

DATE

BUYER

DATE



# Jackson Radiographics, Inc.

Jack Trochessett

9116 West Simmons Circle • Ocean Springs, Mississippi 39564 • (601) 875-0925 • Fax (601) 872-4042

May 14, 1996

Mr. Pedro Montes,

Sorry for the fax that I sent you earlier today with regard to the Varian Clinac 4 second payment. It is \$ . Also the hospital asked for a release from liability form which I have arranged and ask for your signature. Please fax to Phil Whitton at: 414-649-5309.

## RELEASE FROM LIABILITY FOR EQUIPMENT:

It is hereby understood and agreed that I, Gonzales Martinez Oncologic Hospital shall defend, and hold St. Lukes Medical Center, Milwaukee Wisconsin, and its employees, harmless from any property damage, personal injuries, or death arising out of the use of the articles purchased which is the Varian Clinac 4 Linear Accelerator, Serial No. 255.

Thanks,

Mr. Pedro Montes

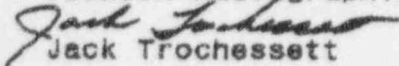
**Jackson Radiographics, Inc.****Jack Trochesett**

9116 West Simmons Circle • Ocean Springs, Mississippi 39564 • (601) 875-0928 • Fax (601) 872-4042

**RELEASE FROM LIABILITY FOR EQUIPMENT;**

It is hereby understood and agreed that Jackson Radiographics Inc. shall defend, and hold St. Lukes Medical Center, Milwaukee Wisconsin, and its employees, harmless from any property damage, personal injuries, or death arising out of the use of the articles purchased which is the Varian Clinac 4 Linear Accelerator.

Jackson Radiographics

  
Jack Trochesett

## Memorandum

To: Douglas J. Simpkin, Radiation Safety Officer, St. Luke's South Shore, Cudahy, Wisconsin  
Phone: 414-649-6457

Fax: 414-649-5061

From: Pedro J. Montes, M.S.

Title: Medical Physicist

Institution: Isaac Gonzalez Martinez Hospital

Date: 10/18/96

re: receipt of Varian Clinac 4 serial number 265

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This acknowledges receipt of the Varian Clinac 4 linear accelerator (serial number 265) with its depleted uranium shielding. This device was received on (date) August 1996

## MATERIALS LICENSE

Amendment No. 16

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 185 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. I. Gonzalez Martinez Oncologic Hospital	In accordance with letter dated February 27, 1996	
2. P.O. Box 1811 Hato Rey, Puerto Rico 00919	3. License Number 52-13471-02	
	is amended in its entirety to read as follows:	
	4. Expiration Date February 28, 2002 (extended)	
	5. Docket or Reference Number 030-14696	
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. Cobalt 60	A. Teletherapy sealed sources registered pursuant to 10 CFR 32.210 or an equivalent Agreement State regulation	A. 16,400 curies (2 sources of not more than 8,200 curies each)[See Condition No. 15]
B. Cobalt 60	B. Teletherapy sealed sources registered pursuant to 10 CFR 32.210 or an equivalent Agreement State regulation	B. 16,400 curies (2 sources of not more than 8,200 curies each)[See Condition No. 15]
B. Uranium (depleted in the isotope Uranium 235)	C. Metal teletherapy components	C. 500 kilograms
9. Authorized Use:		
A. and B. One source to be used in a compatible teletherapy unit (registered pursuant to 10 CFR 32.210 or an equivalent Agreement State regulation) for medical use identified in 10 CFR 35.600. One source in its shipping container to be in possession of the licensee as necessary for the replacement of the sources in the teletherapy unit only.		
C. For use as contained shielding in teletherapy units, storage containers and/or related teletherapy components.		
10. Licensed material shall be used only in the rooms specified below that are located within the I. Gonzalez Martinez Oncologic Hospital, Puerto Rico Medical Center, Rio Piedras, Puerto Rico. The AECL Theratron 80 teletherapy unit and source shall be used in Room B-16. The AECL Eldorado-8 teletherapy unit and source shall be used in Room B-15.		

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number 52-13471-02

Docket or Reference Number 90-14696

Amendment No. 16

(cont.)

**CONDITIONS**

11. The Radiation Safety Officer for this license is Myria Roque.
12. The teletherapy physicist for this license is Pedro Montes-Garcia.
13. Licensed material listed in Item 6 above shall be used by, or under the supervision of, the following individuals for the materials and uses indicated:

Authorized Users

- A. Antonio Bosch-Miro, M.D. for medical teletherapy per 10 CFR 35.600.
- B. Ricardo Lopez-Munoz, M.D. for medical teletherapy per 10 CFR 35.600.
- C. Jose R. Santana-Rabell, M.D. for medical teletherapy per 10 CFR 35.600.
- D. Carlos M. Chevere, M.D. for medical teletherapy per 10 CFR 35.600.

14. Sealed sources containing licensed material shall not be opened or removed from the teletherapy device by the licensee.
15. Pursuant to the provisions of 10 CFR 30.35, the licensee's total possession limit for cobalt 60 shall not exceed 10,000 curies except as specified in Condition No. 16. This restriction shall be rescinded upon receipt by NRC of a properly executed financial assurance mechanism from the licensee. (See 10 CFR 30.35 and RG 3.66, enclosed)
16. The licensee is exempted from the decommissioning financial assurance requirement for possession of licensed material in sealed sources in quantities greater than the limits in 10 CFR 30.25(d), for the purpose of source changes only. The exemption is granted for no more than thirty days for any one source change.
17. The licensee shall maintain records of information important to safe and effective decommissioning at the location specified in Condition 10 above in accordance with the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.



**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number 52-13471-02

Docket or Reference Number 50-14696

Amendment No. 16

(cont.)

**CONDITIONS**

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, 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. Letters dated:**

- December 6, 1991 (with attachments)
- January 20, 1992 (with attachments)
- February 26, 1992
- October 11, 1993 (with attachments) (add user, change RSO and Teletherapy Physicist)
- FAX transmission dated November 12, 1993 with enclosed letter dated May 19, 1993 attesting to the training and competency of Carlos M. Chevere, M.D.
- February 27, 1996 (name Pedro Montes-Garcia as Teletherapy Physicist and extend expiration date in accordance with 10 CFR 30.36)

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

JAY L. HENSON

Date MAR 15 1996

N:\MLICENSE\52-13471.A16

By Jay L. Henson  
Region II, Nuclear Materials Licensing Section  
101 Marietta Street, Suite 2900  
Atlanta, GA 30323

## St. Luke's South Shore



Aurora  
HealthCare

5900 South Lake Drive  
Cudahy, WI 53110-8903  
(414) 769-9000

October 22, 1996

USNRC Region III  
801 Warrenville Road  
Lisle, Illinois 60532-4351

re: control no. 301251, NRC Lic. No. 48-08325-01, St. Luke's South Shore, Cudahy, Wisconsin

Dear Sirs:

This is written to provide additional information on two items left unresolved from a license amendment request submitted to you on April 17, 1996.

Enclosed please find documentation regarding the sale of the Varian Clinac 4 radiation therapy accelerator. This device with its depleted uranium shielding was sold on May 16, 1996, to I. Gonzales Martinez Hospital, Puerto Rico (USNRC Lic. No. 52-13471-02). Form 314 with documents relating to the sale of this device is attached.

The former Nuclear Medicine Camera Room 3 in this institution has now been vacated and a close-out radiation survey of the area performed. Please see documentation of that survey attached.

Please contact me at (414)649-6457 should there be any questions regarding this matter.

Sincerely,

Douglas J. Simplan, Ph.D.  
Radiation Safety Officer

enc

RECEIVED  
OCT 28 1996  
REGION III

Pm: 10-23-96

OCT 28 1996

**Close-out Radiation Survey of Nuclear Medicine Camera Room 3  
St. Luke's South Shore, Cudahy, Wisconsin**

NRC License No. 48-08325-01

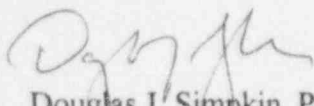
September 25, 1996

This documents the radiation survey of all areas in the former Nuclear Medicine Camera Room 3 at St. Luke's South Shore. This area was vacated during the week of September 20, 1996, and has remained vacant since that time. Radiation surveys were performed on September 25, 1996, by the Radiation Safety Officer, Douglas J. Simpkin, Ph.D.

The survey consisted of the following:

1. A survey for gamma-emitting surface contamination using a Ludlum Measurements, Inc., scintillation survey meter, consisting of a Model 12 count rate meter with a NaI scintillation probe Model 44-2 (s/n PR 036665). All floor, countertop, cabinet, walls, and sink surfaces were monitored with this scintillation survey meter. This detector yields  $1.3 \times 10^5$  cpm per  $\mu\text{Ci}$  for point sources of both Tc-99m and I-131 at the end of the probe, as calibrated on 10/19/95. This converts to an absolute efficiency of 0.059 cpm/dpm. Given that the background reading on this unit is about 1,800 cpm, and assuming that a gross reading of 2,000 cpm is significantly above background, this survey indicates that no surface contamination in excess of  $(200 \text{ cpm}) / (0.059 \text{ cpm/dpm}) = 3390 \text{ dpm}$  is present.
2. A survey for beta/gamma-emitting surface contamination and ambient dose rate using a Ludlum Measurements, Inc., Model 14C count rate meter with a thin end-window Geiger-Mueller tube (s/n 92246), calibrated for 662 keV photons on 7/11/96.
3. A series of wipes for removable surface contamination were acquired and counted in a Capintec Captus 2000 scintillation well detector. The device is calibrated with Cs-137 and Eu-152 standards daily. The full energy spectrum option on the Captus Wipe Test software was used with a conservative value of the efficiency of 0.46 counts per decay, as has been measured for this device with I-131. The counting time for each wipe was 30 sec. All wipes were counted on October 16, 1996.

This certifies that: 1) all radioactive sources have been removed from the Nuclear Medicine Camera Room 3, 2) the ambient dose rate in all areas of this former Lab is not in excess of 2 mR/hr, 3) the ambient gamma and beta dose rates are indistinguishable from background, and 4) the removable contamination levels do not exceed 200 dpm per 100 cm<sup>2</sup>.



Douglas J. Simpkin, Ph.D.,  
Radiation Safety Officer

### Nuclear Medicine Camera Room 3

Date of survey: September 25, 1996

Person performing survey: Douglas J. Simpkin, Ph.D., Radiation Safety Officer

Scintillation Survey Meter background = 1000 cpm

Captus NaI well background = 258 cpm, counting efficiency = 46% (as measured for I-131), wipes counted 10/16/96

GM survey meter background = 0.02 mR/hr

Location (see attached diagram)		Scintillation survey meter reading above background (cpm)	Wipe test count rate above background (cpm)	Removable activity on wipe (dpm /100 cm <sup>2</sup> )	GM survey meter reading above background (mR/hr)
Camera Room 3					
A	Floor	0	-24	0.0	0
B	Floor	0	10	24.7	0
C	Floor	0	6	13.0	0
D	Shelf	0	4	8.7	0
E	Floor	0	18	39.1	0
F	Floor	0	42	91.3	0
G	Floor	0	36	78.3	0
H	Floor	0	56	121.7	0
I	Floor	0	8	17.4	0
J	Floor	0	52	113.0	0
K	Floor	0	48	104.3	0
L	Floor	0	78	169.6	0
M	Light Switch	0	-26	0.0	0
N	Door Handle	0	30	65.2	0

North

EXISTING  
Nuclear Medicine  
Camera Room 2

EXISTING  
Hot Lab

OFFICE

OFFICE

former  
uptake  
probe  
location

Present Camera  
Room 3

gamma camera

J

K

L

C

E

F

I

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Closeout Radiation Survey

St. Luke's South Shore

Cudahy, Wisconsin

NRC Lic. No. 48-08325-01

April 17, 1996

10/22/96

Existing  
Nuclear Medicine  
Room 1

uptake  
probe

New  
Camera  
Room

Former block cutting room

gamma camera

sink

Amendment request to add former  
block cutting room as a new nuclear  
medicine gamma camera room and  
release former Camera Room 3 for  
unrestricted use.

ANSTEC  
PERFORMANCE  
CARD

Available on  
Performance Card

9612030091-1

NOV 20 1996

Douglas J. Simpkin, Ph.D.  
Radiation Safety Officer  
St. Luke's South Shore  
5900 South Lake Drive  
Cudahy, WI 53110

Dear Dr. Simpkin:

Enclosed is Amendment No. 46 to your NRC Material License No. 48-08325-01 in accordance with your request.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

Please also note that the expiration date on your NRC license was extended 5 years in accordance with 10 CFR 30.36(2).

Please be advised that your license expires at the end of the day, in the month, and year stated in the license. Unless your license has been terminated, you must conduct your program involving byproduct 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; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Notify NRC, in writing, within 30 days:
  - a. When an authorized user or Radiation Safety Officer permanently discontinues performance of duties under the license or has a name change; or
  - b. When the licensee's mailing address changes (no fee is required if the location of byproduct material remains the same).

301994

3. In accordance with 10 CFR 30.36(b) and/or license condition, notify NRC, promptly, in writing, and request termination of the license when you decide to terminate all activities involving materials authorized under the license.
4. Request and obtain a license amendment before you:
  - a. Receive or use byproduct material for a clinical procedure permitted under Part 35 but not permitted by your license issued pursuant to this Part;
  - b. Permit anyone, except individuals described in 10 CFR 35.13(b), to work as an authorized user under the license;
  - c. Change Radiation Safety Officers;
  - d. Order byproduct material in excess of the amount, or radionuclide, or form different than authorized on the license;
  - e. Add or change the areas of use or address or addresses of use identified in the license application or on the license; or
  - f. Change ownership of your organization.
5. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations. A license will not normally be renewed, except on a case-by-case basis, in instances where a licensed material has never been possessed or used.

In addition, please note that NRC Form 313 requires the applicant, by his/her signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or certifying official rather than a consultant.

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, or imposition of a civil penalty, or an order suspending, modifying or revoking your license as specified in the General Policy and Procedures for NRC Enforcement Actions. Since serious consequences to employees and the public can result from failure to comply with NRC requirements,

D. Simpkin

-3-

prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which NRC expects of its licensees.

Sincerely,

Original Signed By  
James R. Mullauer, M.H.S.  
Health Physicist  
Nuclear Materials Licensing Branch

License No.: 48-08325-01  
Docket No.: 030-03462

Enclosure: Amendment No. 46

DOCUMENT NAME: M:\03003462.CL6

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OFFICE	DNMS/RIII								
NAME	JMULLAUER,jaw								
DATE	11/8/96								

OFFICIAL RECORD COPY



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION III  
801 WARRENVILLE ROAD  
LISLE, ILLINOIS 60532-4351

October 29, 1996

Douglas J. Simpkin  
Radiation Safety Officer  
St. Luke's South Shore  
5900 South Lake Drive  
Cudahy, WI 53110

SUBJECT: ACKNOWLEDGEMENT OF CORRESPONDENCE  
(NRC Form 314 Dated 10/22/96)

Dear Licensee:

In response to your request, we have completed the initial processing, which is an administrative review of your application for a(n):

☐ New License                      ☐ Amendment                      ☐ Renewal  
☒ Termination                      ☐ Auth User (Amendment not required)  
☐ Other \_\_\_\_\_

No administrative deficiencies were identified during this initial review. However, it should be noted that a technical review may identify omissions in the submitted information.

It appears that your request is routine (see 1-3 below, as applicable).

1. New and amendment actions are normally processed within 90 days, unless we find major deficiencies, or policy issues requiring central program office assistance.
2. Renewal actions are normally processed within 180 days, however, under timely filing (before expiration), you may continue to operate under your existing license.
3. Termination actions are normally processed within 90 days, unless confirmatory surveys following decontamination/decommissioning activities are involved.

A copy of your correspondence has been forwarded to our Licensing Fee and Debt Collection Branch (301/415-6097) for approval of the fee category and amount, if required.

If you have a compelling safety or business-related reason for requesting expedited review, please contact the Materials Licensing Branch at (630) 829-9887. We will try to complete your request as soon as practicable. Any correspondence about this request should reference the control number.

Nuclear Materials Support Branch

Mail Control No. 301994  
License No. 48-08325-01