



July 11, 2016

Nuclear Regulatory Commission  
Region III  
Materials Licensing Branch  
2443 Warrenville Road, Ste. 210  
Lisle, IL 60532-4352

Dear Sir/Madame:

I am submitting a request to amend NRC license number 21-15638-01 on behalf of Lake Huron Medical Center in Port Huron, MI.

We wish to remove from our license the following address:

Lake Huron Medical Center – North Campus  
4190 24<sup>th</sup> Avenue  
Fort Gratiot, MI 48059

We have ceased all use of radioactive materials at this facility. All sealed sources and waste was removed from this facility and moved to our main hospital by our consulting physicist. A close-out survey was performed by our physicist in all rooms in which radioactive materials were used. These rooms were the Hot Lab, Imaging Room, Stress Lab 1 and Stress Lab 2. See attached close-out data.

Prior to moving the sealed sources to the main hospital, a leak test was performed. See attached the last sealed source inventory and leak test results from 5/17/2016.

If you have any questions regarding this change, feel free to contact our consulting physicist, Vince McCormick, at (734)395-9323 or [v\\_mccormick@comcast.net](mailto:v_mccormick@comcast.net).

Sincerely,



John Ference, M.D.  
Radiation Safety Officer

RECEIVED JUL 25 2016



## APPLICATION FOR MATERIALS LICENSE

Estimated burden per response to comply with this mandatory collection request: 4.3 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the FOIA, Privacy, and Information Collections Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to [Infocollections.Resource@nrc.gov](mailto:Infocollections.Resource@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

**INSTRUCTIONS: SEE THE CURRENT VOLUMES OF THE NUREG-1556 TECHNICAL REPORT SERIES ("CONSOLIDATED GUIDANCE ABOUT MATERIALS LICENSES") FOR DETAILED INSTRUCTIONS FOR COMPLETING THIS FORM: <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/>. SEND TWO COPIES OF THE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.**

**APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:**

MATERIALS SAFETY LICENSING BRANCH  
DIVISION OF MATERIAL SAFETY, STATE, TRIBAL AND RULEMAKING PROGRAMS  
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  
2100 RENAISSANCE BOULEVARD, SUITE 100  
KING OF PRUSSIA, PA 19406-2713

**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  
1600 E. LAMAR BOULEVARD  
ARLINGTON, TX 76011-4511

**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

21-15638-01

☐

C. RENEWAL OF LICENSE NUMBER

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

Lake Huron Medical Center  
2601 Electric Avenue  
Port Huron, MI 48060-6815

**3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED**

2601 Electric Avenue  
Port Huron, MI 48060-6815

**4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION**

Vincent McCormick, M.S., DABR

**BUSINESS TELEPHONE NUMBER**

(734) 455-4730

**BUSINESS CELLULAR TELEPHONE NUMBER**

(734) 395-9323

**BUSINESS EMAIL ADDRESS**

[v\\_mccormick@comcast.net](mailto:v_mccormick@comcast.net)

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 AND 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 (Fees required only for new applications, with few exceptions\*)  
(See 10 CFR 170 and Section 170.31)**

\*Amendments/Renewals that increase the scope of the existing license to a new or higher fee category will require a fee.

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, 37, 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**

John Ference, M.D.  
Radiation Safety Officer

**SIGNATURE**

*[Signature]*

**DATE**

7/19/16

**FOR NRC USE ONLY**

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

**Location:** Lake Huron Medical Center-North**Date of Inspection:** May 17, 2016**SEALED SOURCE INVENTORY**

NUCLIDE	TYPE	LOCATION	CALIBRATION		DATE	MFGR	M/N	S/N
			ACTIVITY					
Cs-137	Vial	Hot Lab	209.7	uCi	11/1/2002	NAS	MED3550	29510
Co-57	Vial	Hot Lab	5200	uCi	7/8/2013	BM	06057S13183	BM06057S13183107
Co-57	Flood	Hot Lab	20	mCi	9/1/2013	E&Z	MED3709	1683-129
Cs-137	Rod	Hot Lab	0.5	uCi	12/1/2002	IPL		956-54-16
Cs-137	Rod	Hot Lab	0.5	uCi	9/1/2004	IPL		1034-32-95
Eu-152	Rod	Hot Lab	0.5	uCi	8/1/2004	IPL		1034-22-36

RSO: \_\_\_\_\_

**SEALED SOURCE LEAK TEST**

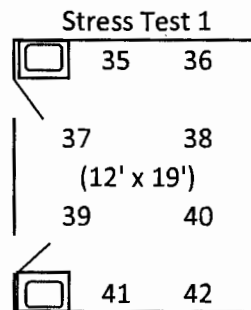
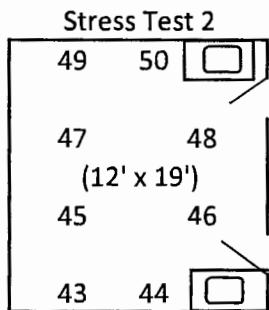
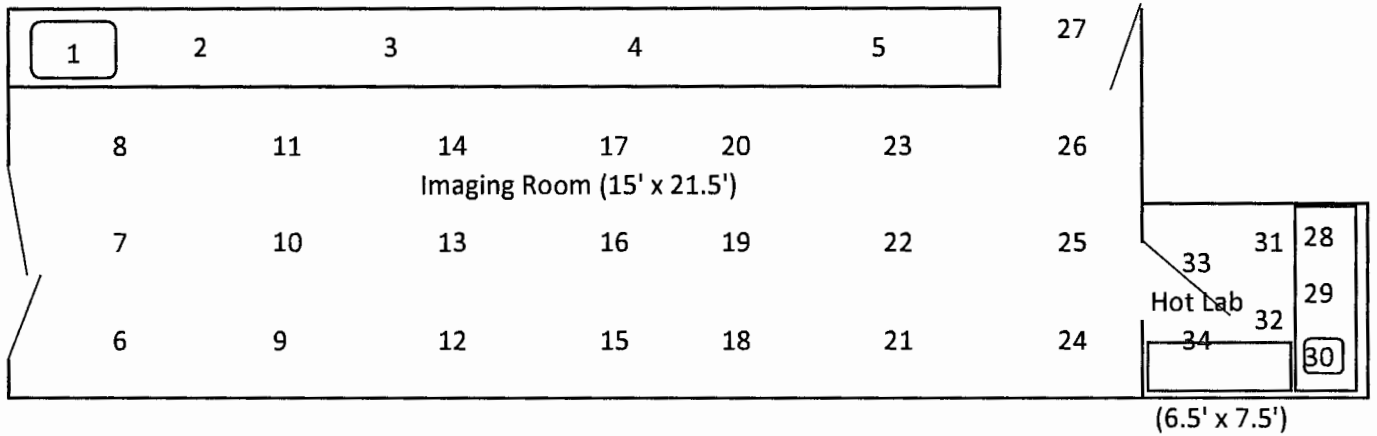
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Co-57	Flood	Hot Lab	20	mCi	9/1/2013	E&Z	MED3709	1683-129

**COMMENT:** The sources listed above were leak tested using a wipe technique and were found to have less than 0.005 uCi removable activity.

**TESTED BY:** Vincent McCormick, M.S.**DATE:** May 17, 2016RSO: 

Nuclear License Number: 21-15638-01

Lake Huron Medical Center - North Campus (L# 21-15638-01)  
Nuclear Medicine Close-Out  
July 5, 2016



Lake Huron Medical Center - North Campus (L# 21-15638-01)  
Nuclear Medicine Close-Out  
July 5, 2016

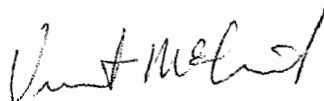
Area #	Location	Survey (mR/h)	Wipe (dpm)
1	Image Room - Sink	0.02	8
2	Image Room - Counter	0.02	32
3	Image Room - Counter	0.02	0
4	Image Room - Counter	0.02	8
5	Image Room - Counter	0.02	0
6	Image Room - Floor	0.02	0
7	Image Room - Floor	0.02	6
8	Image Room - Floor	0.02	0
9	Image Room - Floor	0.02	0
10	Image Room - Floor	0.02	0
11	Image Room - Floor	0.02	38
12	Image Room - Floor	0.02	74
13	Image Room - Floor	0.02	0
14	Image Room - Floor	0.02	32
15	Image Room - Floor	0.02	0
16	Image Room - Floor	0.02	0
17	Image Room - Floor	0.02	0
18	Image Room - Floor	0.02	0
19	Image Room - Floor	0.02	0
20	Image Room - Floor	0.02	0
21	Image Room - Floor	0.02	0
22	Image Room - Floor	0.02	0
23	Image Room - Floor	0.02	8
24	Image Room - Floor	0.02	0
25	Image Room - Floor	0.02	2
Background		0.02	0

Area #	Location	Survey (mR/h)	Wipe (dpm)
26	Image Room - Floor	0.02	0
27	Image Room - Floor	0.02	0
28	Hot Lab Counter	0.02	0
29	Hot Lab Counter	0.02	0
30	Hot Lab Sink	0.02	0
31	Hot Lab Floor	0.02	0
32	Hot Lab Floor	0.02	0
33	Hot Lab Floor	0.02	0
34	Hot Lab Floor	0.02	0
35	Stress 1 Floor	0.02	0
36	Stress 1 Floor	0.02	0
37	Stress 1 Floor	0.02	0
38	Stress 1 Floor	0.02	0
39	Stress 1 Floor	0.02	0
40	Stress 1 Floor	0.02	0
41	Stress 1 Floor	0.02	0
42	Stress 1 Floor	0.02	0
43	Stress 2 Floor	0.02	0
44	Stress 2 Floor	0.02	0
45	Stress 2 Floor	0.02	0
46	Stress 2 Floor	0.02	0
47	Stress 2 Floor	0.02	0
48	Stress 2 Floor	0.02	0
49	Stress 2 Floor	0.02	0
50	Stress 2 Floor	0.02	0

GM Survey Meter: Ludlum 14C with Thin End Window, SN 190065, Last calibrated: 2/15/2016

Well Counter: Capintec CRC-15W, SN 170584, Last QC: 7/5/2016  
Co-57 Efficiency determined to be 86% on 8/25/2015

Close-out performed by:




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Vincent McCormick, M.S., DABR  
Radiological Physics Service



**LAKE HURON  
MEDICAL CENTER**

*formerly St. Joseph Mercy Port Huron*

2601 Electric Avenue | Port Huron, Michigan 48060

**NIETROPLEX**

**MI 480**

**20 JUL '16**

**PM 16 L**



U.S. POSTAGE » PITNEY BOWES



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0001375388 JUL 20 2016

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

[mylakehuron.com](http://mylakehuron.com)

60532-435260

