



416 Connable Ave  
Petoskey Michigan  
49770

734 487-4310 Phone

[northernhealth.org](http://northernhealth.org)

February 19, 2020

UNITED STATES NUCLEAR REGULATORY COMMISSION  
Region III, Materials Licensing Section  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

Re: Amendment to License No. 21-16732-01, McLaren Northern Michigan

1. Please remove the address of use: 748 S. Main St, Cheboygan MI 49721 from the license. All sealed sources were removed from this location on 01/14/2020. The sources were transferred to 416 Connable Ave, Petoskey, MI 49770 address. Please find the enclosed close out survey for your review.

Thank you for your cooperation with this matter. If you have any question please contact our physicist, Michelle Krizman, at (734) 662-3197 or by email at [mkkrizman@mpcphysics.com](mailto:mkkrizman@mpcphysics.com).

Sincerely,

A handwritten signature in black ink, appearing to read "Kristy Smollinski".

Kristy Smollinski, MHA, RTRM  
Director of Imaging Services

A handwritten signature in black ink, appearing to read "Dan Dryden".

Dan Dryden, MS, DABR  
Radiation Safety Officer

McLaren Northern Michigan

RECEIVED FEB 28 2020

Close-out Survey of address of use  
748 S. Main St  
Cheboygan MI 49721

McLaren Northern Michigan  
416 Connable Ave  
Petoskey, MI 49770

License No. 21-16732-01

Date Performed: 01/15/2020

Performed By: Chris Seward, CNMT

Wipe tests analyzed with a Capintec 4000e sodium iodide well counter. The conversion factor used is 10 dpm/cpm.

Survey performed with Ludlum 14C (S/N 80901) GM survey meter with a check source reading of 5.5 mR/hr and calibration date of 03/04/2019.

Isotope Used

Tc-99m

Date of last use March 29, 2012

All sealed sources were removed from this location on 01/14/2020

Visual Check

The area was checked to ensure that all radioactive sources had been removed. No radioactive sources were located.

Radiation Level Survey

No area within the room demonstrated radiation levels in excess of the background reading of 0.02 mR/hr.

Removable Contamination

1 minute counts of a wipe sample were performed.

Maximum Removable contamination: 480 dpm

Conclusion

All radioactive sources were removed from the room and no removable contamination was present.

<b>McLaren Northern Michigan</b> <b>748 S. Main St</b> <b>License # 21-16732-01</b>				
<div style="display: flex; justify-content: space-between;"> <span><b>Date:</b> 1/15/2020</span> <span><b>Performed By:</b> Chris Seward, CNMT</span> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span><b>Survey Meter:</b> Ludlum 14C</span> <span><b>Check Value:</b> 5.5 mR/hr</span> </div>				
		net cpm	net dpm	mR/h
1	Floor	26	260	0.01
2	Floor	48	480	0.01
3	Counter	0	0	0.01
4	Floor	30	300	0.01
5	Floor	30	300	0.01
6	Floor	0	0	0.01
7	Floor	0	0	0.01
8	Floor	26	260	0.01
9	Floor	0	0	0.01
10	Sink	45	450	0.01
11	Floor	45	450	0.01
12	Floor	45	450	0.01
13	Floor	0	0	0.01
14	Counter	0	0	0.01
15	Floor	0	0	0.01
16	Counter	48	480	0.01
	Background	367		0.02
<div style="display: flex; justify-content: space-between;"> <span><b>ACTION LEVELS:</b> 2000 dpm</span> <span>Conversion factor 10 dpm/cpm</span> </div> <p><b>COMMENTS:</b> No evidence of removable contamination.</p>				

**CHEBOYGAN MEMORIAL HOSPITAL**

748 South Main Street

Cheboygan, MI 49172

NRC License No. 21-20250-01

**Camera Room and Control Room**