



9/30/09

United States Nuclear Regulatory Commission  
Region III, Materials Licensing  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

RE: Amendment to NRC License No. 21-20250-01  
Cheboygan Memorial Hospital

Dear Sir/Madam:

The purpose of this letter is to amend our current NRC license to reflect the following changes.

**Item #1**

We previously amended our NRC Material licenses to re-location of our Stress Lab. Enclosed are the results of the close-out survey of our old Stress Lab location.

A close-out survey of our old Stress Lab location was performed on September 11, 2009 at the above address and is enclosed for your review.

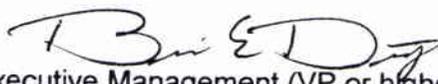
The last date of use of radioactive material at this site was September 11, 2009 for Tc-99m. No other radioactive materials used at this Stress Lab location.

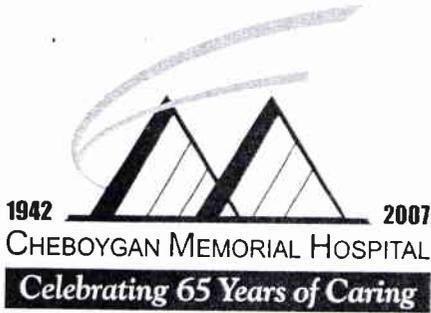
A current copy of the leak test results for the sealed sources used at our facility is enclosed for your review. These sources include a Co-57 flood source, Cs-137, and Ba-133 vials for constancy and accuracy testing. And one Gd-153 source used for gamma camera quality control. These sources were never used or stored in the Stress Lab.

We did not dispose of radioactive materials by release to sewers or incineration. In addition, there were no spills of any long-lived radioactive material or on-site burials of radioactive materials.

Thank you for your cooperation. If you have any questions or require additional information, please contact our physics consultant, Kevin B. Miller at 734-662-3197.

Respectfully Yours,

  
Executive Management (VP or higher)  
Cheboygan Memorial Hospital



### Close-out Survey

**Date performed:** September 11, 2009

**Performed by:** Chris Seward, C.N.M.T.

**Comments:** The Stress Lab was used in the morning prior to performing the close-out survey. No radioactive materials were ever stored at this location.  
Instruments

Wipe tests analyzed with a Capintec CRC-15W S/N# 171061  
Instrument: Well Counter  
Radionuclide: Full Spectrum MDA for Full Spectrum: 133 dpm  
Date completed: 09/08/08 Conversion factor: 1.2 cpm/dpm

Area survey performed with the following survey meter:

Manufacturer: Ludlum  
Type: GM  
Model Number: 14C  
Serial Number: 213075  
Probe Model: End Window  
Annual Calibration Due: 09/16/09  
Battery check acceptable: YES  
Operational check acceptable: YES  
Current reading: 3.25 mR/hr

### History of Radionuclides Used

**Unsealed:** The last date of use of radioactive material in the Stress Lab was September 11, 2009 for Tc-99m. No other radioactive materials were used at this Stress Lab.

**Sealed:** Sealed sources were never used or stored in the Stress Lab.

**Last date of byproduct radiopharmaceutical use: September 11, 2009.**

**Visual Check:** The area was checked to ensure that all radioactive materials had been removed. No evidence of radioactive material was noted.

**Sealed Source Leak Testing:** No history of leaks from Sealed Sources at this facility.

**Radiation Level Survey:** No area within the department demonstrated radiation levels in excess of the background reading of 0.02 mR/hr.

**Removable Contamination:** No area within the Stress Lab demonstrated removable contamination in excess of 0.0 dpm's. There is no history of any spills of long-lived radioisotopes.

**Conclusion:** No radioactive materials remain in this Stress Lab. No removable contamination is present.

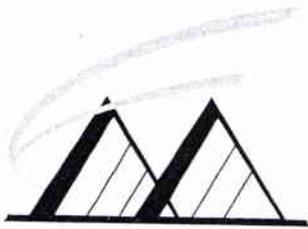


<b>Survey Meter:</b>		Ludlum 14C EWGM Calibrated 09/16/09	<b>Check Value:</b>	3.25 mR/hr
	Stress Lab	cpm	net dpm	mR/hr
1	Floor	168.00	0	0.02
2	Door	170.00	0	0.02
3	Sink	188.00	0	0.02
4	Trash	190.00	0	0.02
5	Counter	159.00	0	0.02
6	Bathroom Door	170.00	0	0.02
7	Floor	185.00	0	0.02
8	Floor	185.00	0	0.02
9	Floor	186.00	0	0.02
10	Floor	191.00	0	0.02
11	Floor	193.00	0	0.02
12	Floor	169.00	0	0.02
13	Floor	165.00	0	0.02
14	Floor	171.00	0	0.02
15	Floor	173.00	0	0.02
16	Floor	182.00	0	0.02
17	Floor	190.00	0	0.02
18	Floor	191.00	0	0.02
19	Floor	180.00	0	0.02
20	Floor	179.00	0	0.02
21	Floor	176.00	0	0.02
22	Floor	192.00	0	0.02
	Background	195	0	0.02
<b>ACTION LEVELS: 2000 dpm &lt; 0.2 mR/hr</b>			<b>Efficiency (dpm/cpm):</b>	<b>1.2</b>
<b>COMMENTS: No evidence of removable contamination.</b>				

**Maximum removable contamination: 0.0 net dpm/100 cm<sup>2</sup>**

Conclusion

As of September 11, 2009 all radioactive materials were removed from the site and no removable contamination was present.



CHEBOYGAN MEMORIAL HOSPITAL

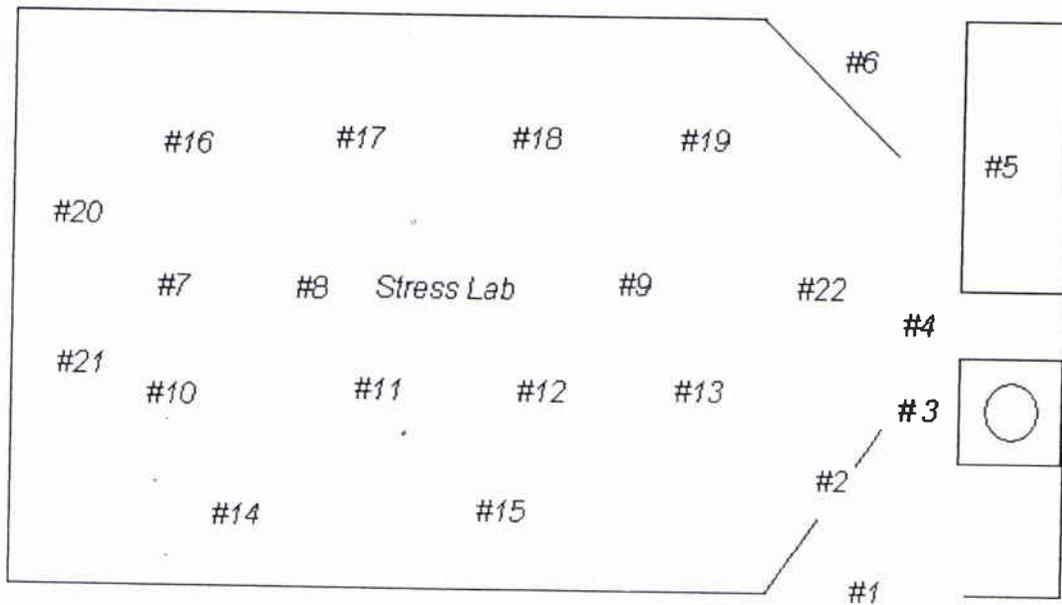
**CHEBOYGAN MEMORIAL HOSPITAL**

748 South Main Street

Cheboygan, MI 49172

NRC License No. 21-20250-01

**Old Stress Lab**



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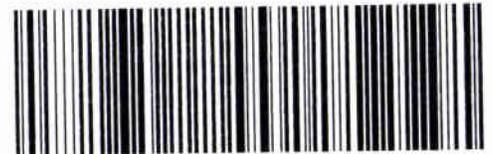
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