

April 15, 2020

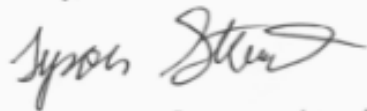
UNITED STATES NUCLEAR REGULATORY COMMISSION
Region III, Materials Licensing Section
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

**Re: Amendment to License No. 21-04177-01
Spectrum Health Lakeland**

Please remove rooms 214, 215, 216, 217 and 223 at our 1234 Napier Avenue, St. Joseph, Michigan address. We have moved to the new Nuclear Medicine Department, at that same address. A closeout survey is enclosed for your review.

Thank you for your cooperation in this matter. If you have any questions concerning this request, please contact Dawn Edwards, M.S. at 313-662-3197 or dedwards@mpcphysics.com or David Sieffert, M.S., RSO at 269-985-4593 or dsieffert@lakelandhealth.org.

Sincerely,



Manager Diagnostic Imaging, Nuclear Medicine + EEG

Closeout Survey

Spectrum Health Lakeland
1234 Napier Avenue
St. Joseph, MI 49085

Date Performed: April 13, 2020

Performed By: Dawn M Edwards, M.S.

A close out of rooms 214, 215, 216, 217 and 223.

Wipe tests were analyzed with a Capintec Captus 3000 Well Counter, serial number 901423. The efficiency factor is 1.24 dpm/cpm and the MDA is 15 dpm. The action level for wipe test results was 1000 dpm/100 cm².

Surveys were performed using a Ludlum 14C survey meter, serial number 66240. The meter was last calibrated on July 15, 2019. The range used was 0-0.2 mR/hr and the action level for exposure rate surveys was 0.1 mR/hr.

Visual Check

All radioactive materials, including sealed sources and radioactive waste, were moved to the new department on March 23, 2020. The area was checked to verify that no radioactive material remained.

Radiation Level Survey

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

Removable Contamination

1 minute counts

Background 264 cpm, 0 dpm

Area Results in dpm

A diagram of the survey area is enclosed.

Wipe test results:

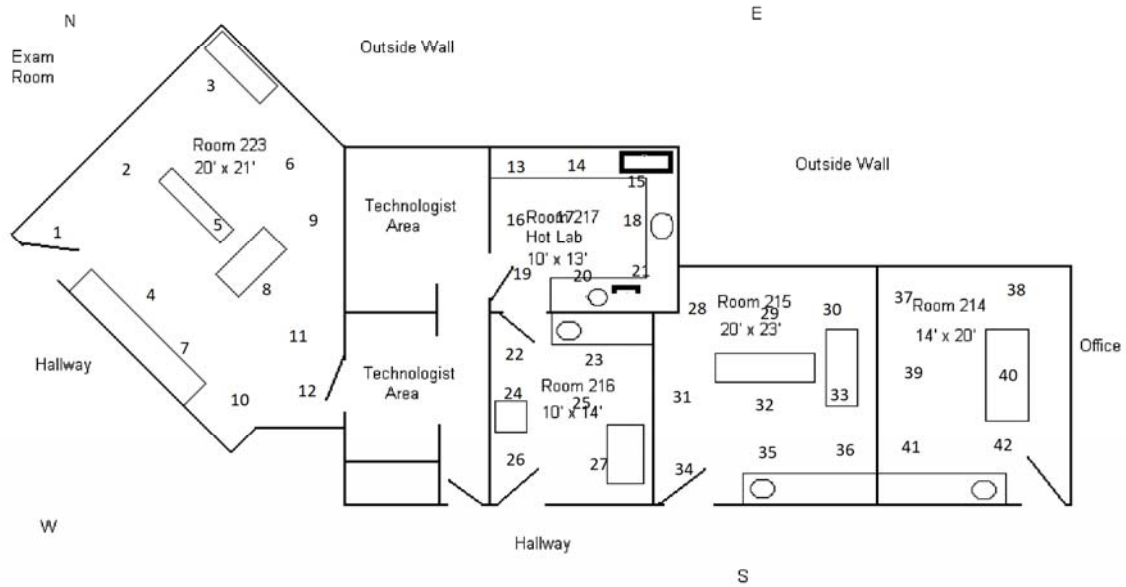
Area	Result	Area	Result	Area	Result
1	10 dpm	15	14 dpm	29	0 dpm
2	5 dpm	16	0 dpm	30	0 dpm
3	0 dpm	17	0 dpm	31	0 dpm
4	0 dpm	18	0 dpm	32	0 dpm
5	0 dpm	19	0 dpm	33	0 dpm
6	22 dpm	20	0 dpm	34	0 dpm
7	0 dpm	21	0 dpm	35	0 dpm
8	0 dpm	22	0 dpm	36	0 dpm
9	0 dpm	23	0 dpm	37	0 dpm
10	0 dpm	24	0 dpm	38	0 dpm
11	0 dpm	25	0 dpm	39	42 dpm
12	0 dpm	26	0 dpm	40	0 dpm
13	0 dpm	27	47 dpm	41	0 dpm
14	0 dpm	28	0 dpm	42	0 dpm

Maximum removable contamination: 47 dpm

Conclusion

No removable contamination is present.

Survey Diagram



From: [Tomczak, Tammy](#)
To: [Song, Taehoon](#); [Pavon, Sandy](#)
Subject: FW: Close out survey/Amendment Request
Date: Thursday, April 16, 2020 9:59:22 AM
Attachments: [Lakeland Closeout Survey 4-13-20 \(1\).pdf](#)

Good morning, Tae and Sandy,

Can you please add the attached to ADAMS?

Thank you,
Tammy

From: Ferry, Kellee <KFERRY@LakelandHealth.org>
Sent: Thursday, April 16, 2020 8:56 AM
To: Tomczak, Tammy <Tammy.Tomczak@nrc.gov>
Cc: Sieffert, David <DSIEFFERT@LakelandHealth.org>; Stewart, Tyson <TCSTEWART@LakelandHealth.org>
Subject: [External_Sender] Close out survey/Amendment Request

Attached is an Amendment request & close out survey to remove our existing Nuclear Medicine department rooms as we have moved to the new Nuclear Medicine department at the same address.

Regards,

Kellee Ferry CNMT/RT(N)

Lead Nuclear Technologist

Spectrum Health Lakeland: Nuclear Medicine Services

Dept:(269)983.8874

Cell: (269)325.3837

kferry@lakelandhealth.org

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