BAPTIST HEALTH
FLOYD

1850 State St. New Albany, IN 47150

May 3, 2022

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

Dear Sir or Madam:

Baptist Healthcare System d/b/a Baptist Health Floyd, Materials License Number 13-12371-01, would like to amend its license to remove 705 W. Fairground Rd., Scottsburg, IN 47170 as an Address of Use. Licensed activities have terminated at the Address of Use and a close-out survey is enclosed.

If there are any questions concerning this license amendment, please contact our nuclear medicine physicist, Mr. Patrick Byrne, at 877-317-5811 x343.

Sincerely,

Rayna Withers

Rayna Withers
Director, Diagnostic & Therapeutic Radiological Services

Close-out survey of
705 W. Fairground Rd., Scottsburg, IN 47170

Performed by: Patrick J. Byrne, PhD, DABR, CHP, DABSNM

Radioactive materials usage at this address of use was limited to technetium-99m and thallium-201, as licensed under 10 CFR 35.100 and 35.200. Licensed materials were last utilized at the address of use in July 2021.

Wipe tests for removable radioactive contamination were taken on 5/2/22 and analyzed in a Ludlum Model 243 (S/N: 145366) Shielded Well Scintillator coupled to a Ludlum Model 2200 (S/N: 138705) Scaler Ratemeter. A window of 50 to 400 keV was used to analyze the wipes. The efficiency of this system for cobalt-57 with a window of 50-400 keV is 1.09 dpm/cpm. The results of the wipe tests are enclosed.

The radiation levels survey was performed on 5/2/22 by Patrick Byrne, using a Ludlum 3 Geiger-Muller survey meter (S/N: 193960). The meter was calibrated on 8/19/21. The range used for the radiation level survey was 0.0 to 0.2 mR/hr.

Visual Inspection
The area was visually inspected to ensure that all radioactive waste had been removed. No radioactive material was located in the area.

Radiation Level Survey
No area demonstrated radiation levels in excess of the background reading of 0.01 mR/hr.

Sealed Sources
Sealed sources were never possessed at this address of use.

Conclusion
As of 5/2/22, no radioactive materials were present at the address of use.

Removable Contamination Survey Results

Wipe samples were counted in a Ludlum Model 243 Shielded Well Scintillator (S/N: 145366) coupled to a Ludlum Model 2200 Scaler Ratemeter (S/N: 138705). The efficiency of this system for Cobalt-57 with a counting window of 50-400 keV is 1.09 dpm/cpm. Background on this window was 336 counts per minute.

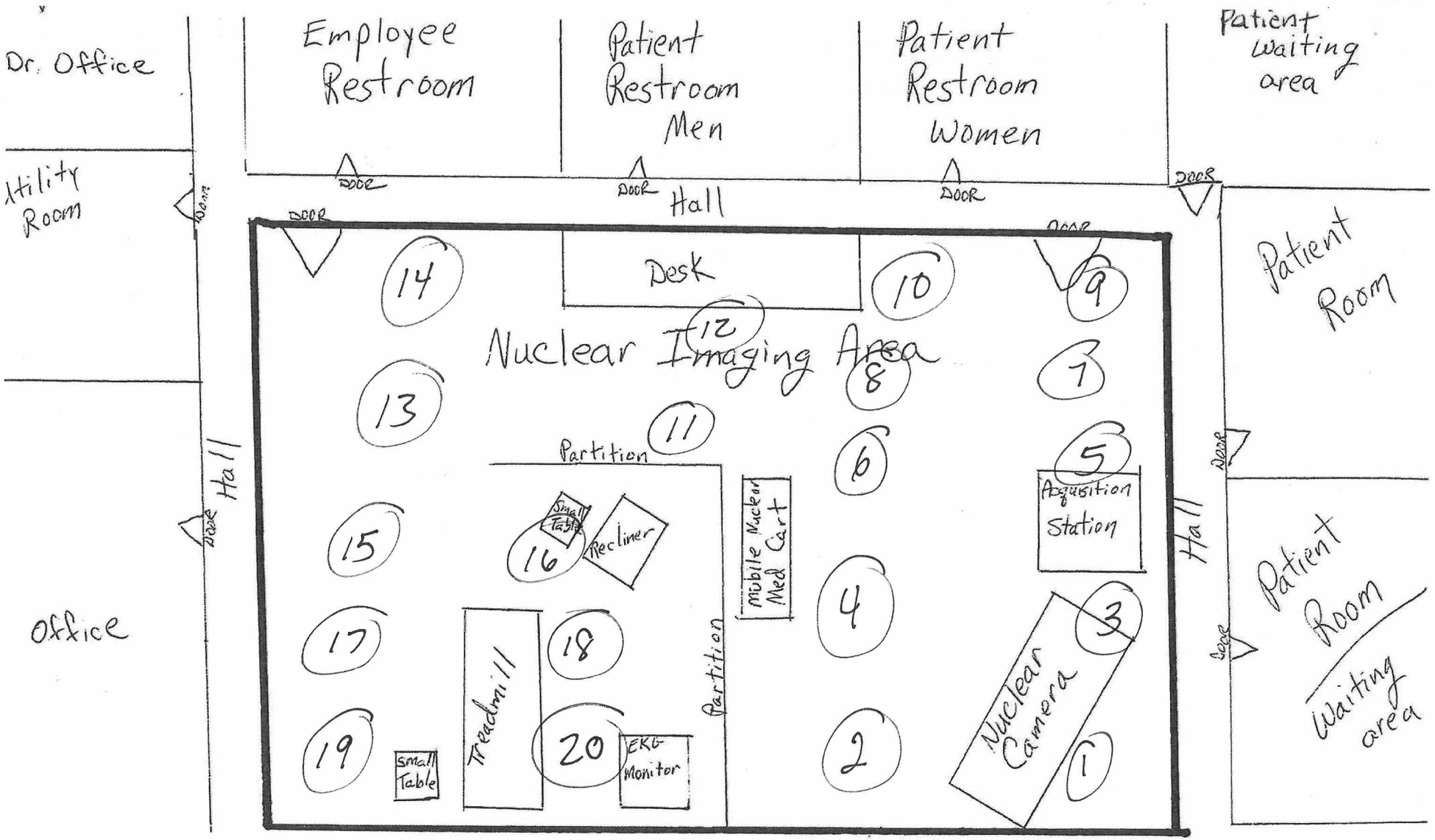
Wipe Number	Gross counts per minute	Net counts per minute	Disintegrations per minute
1	321	0	0
2	330	0	0
3	331	0	0
4	303	0	0
5	314	0	0
6	323	0	0
7	334	0	0
8	325	0	0
9	309	0	0
10	354	18	19.6
11	327	0	0
12	332	0	0
13	329	0	0
14	321	0	0
15	367	31	33.8
16	334	0	0
17	319	0	0
18	335	1	1.1
19	310	0	0
20	327	0	0

*Please refer to the attached survey map for wipe locations.

Maximum removable contamination occurred in area 15. Gross count rate = 367 cpm/100cm^2. Net count rate (gross minus background) = 367 – 336 = 31 cpm/100cm^2. Net removable disintegrations per minute = 31 cpm/100cm^2 x 1.09 dpm/cpm = 33.8 dpm/100cm^2.

Conclusion

As of 5/2/22, all radioactive materials have been removed from the area of use and no removable contamination is present.



This side of the buildingwill eventually be for physical therapy

Circled numbers refer to wipe sample locations.

BHMC
705 W. Fairground Rd
Scottsburg IN 47170

Pavon, Martha

From: Tomczak, Tammy
Sent: Wednesday, May 4, 2022 9:53 AM
To: Pavon, Sandy; Pavon, Martha
Subject: FW: Amendment Request
Attachments: CloseOut.doc; CloseOutWipes.docx; WipeMap.pdf; NRC Amendment 2022.pdf

Good morning, Sandy and Martha,

Can you please add the attached to ADAMS?

Thank you!!
Tammy

From: Withers, Rayna (FLO) <Rayna.Withers@BHSI.com>
Sent: Wednesday, May 04, 2022 9:48 AM
To: Tomczak, Tammy <Tammy.Tomczak@nrc.gov>
Cc: pbyrne@mpcphysics.com; Purlee, Derik (FLO) <Derik.Purlee@bhsi.com>; Simpson, Emily M. (FLO) <Emily.Simpson@BHSI.com>
Subject: [External_Sender] Amendment Request

Please see the attached close out survey and request to amend our NRC license. Please let me know if you have any questions or need further information.

Thank you

Director of Radiological Services
Rayna.withers@bhsi.com
O 812 981-6255
C 502 777-5768
F 812 949-7040

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