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U. S. Nuclear Regulatory Commission
Region III
Materials Licensing Section
2443 Warrenville Road, Suite 210
Lisle, Illinois 60532

License Number 24-24518-01

Dear Materials Licensing Section:

Saint Louis ConnectCare Health System, is requesting an amendment to our Materials License at this time. We are requesting the following action:

All licensed material was moved without incident from our "old" fourth floor location and secured in the "new" hot lab located on the first floor of our facility. After all radioactive material was removed from the "old" fourth floor Nuclear Medicine Department a complete close out survey was done following the Guidelines for Decontamination of Facilities and Equipment Prior to Release for Unrestrictive Use or Termination of Licenses for Byproduct, source or Special Nuclear Material. A Cs-137, sealed source for dose calibrator testing and a Co-57 flood source (both 35.65 material) were the only sealed sources used in the "old" Department. These sources were last leak tested on 12/08/08 and the analysis showed that removable contamination was well below 0.005 microcuries.

Tc-99m and I-123 in unit dose form (35.200 material) were the only unsealed radiopharmaceuticals used in the fourth floor location. Radioactive waste was decayed to background levels using decay-in-storage authorization and disposed of as nonradioactive biohazardous waste.

Instruments used for the close out survey are as follows:

1. Bicron 2000, GM with side window probe, S/N A377V, last calibrated 02/23/08. On the day of use the constancy check source reading was within $\pm 20\%$ of the expected value. Radiation exposure surveys were done with the survey meter set to the most sensitive scale (0 to 0.2 mR/hr). Background radiation exposure in the facility was 0.02 mR/hr. There were no ambient radiation exposures in excess of 0.02 mR/hr.

2. Capintec Caprac Well Counter, S/N 1369. An efficiency test was done on this well counter using an NIST traceable Co-57 rod source on 8/22/08. The efficiency was determined to be 85% when using a counting window of 15 to 800 keV. The lower limit of detection (LLD) was 60 dpm. The minimal detectable activity (MDA) was 2.7 E-05 microcuries. The results of all dry wipe test smears were below the LLD (60 DPM) and demonstrated no removable contamination above 2.7 E-05 microcuries.

All ambient radiation exposure values and wipe test analysis were done by Tom Dickinson, Licensed Medical Nuclear Physicist, consultant to St. Louis ConnectCare. Attached are the survey and wipe test results with notations of where the surveys and wipe smears were taken. The areas are also noted on the facility diagram.

We request that the "old" Nuclear Medicine Department on the fourth floor of our facility be released for unrestricted use.

If you have any questions regarding this close out survey, please contact me at (314) 361-2273 or Tom Dickinson at (216) 663-7000.

Sincerely,



Signature

Jessie Poblete, M.D., RSO

Name

Radiation Safety Officer

Title

11 Feb 09

Date

St. Louis ConnectCare System
5535 Delmar Boulevard
St. Louis, MO

"Old" Nuclear Medicine Department 4th Floor

CLOSE OUT SURVEY

Date of survey and wipe tests: 12/08/08

Diagram #	Location	Area Survey (mR/hr)	Wipe Test Removable contamination (dpm/100cm ²)
N/A	Background	0.02	301 (cpm)
1	Door handle	0.02	0
2	L-shield, dose preparation, dose calibrator	0.02	0
3	decay-in-storage waste area	0.02	0
4	hot lab sink	0.02	0
5	floor in various areas in department	0.02	0
6	Injection chair	0.02	0
7	RAM receipt area	0.02	0
8	Treadmill	0.02	0

Surveys done with Bicron 2000, S/N A377V, calibrated 02/23/08.

Wipes analyzed with Capintec Caprac, S/N 1369.

Close out survey performed by:



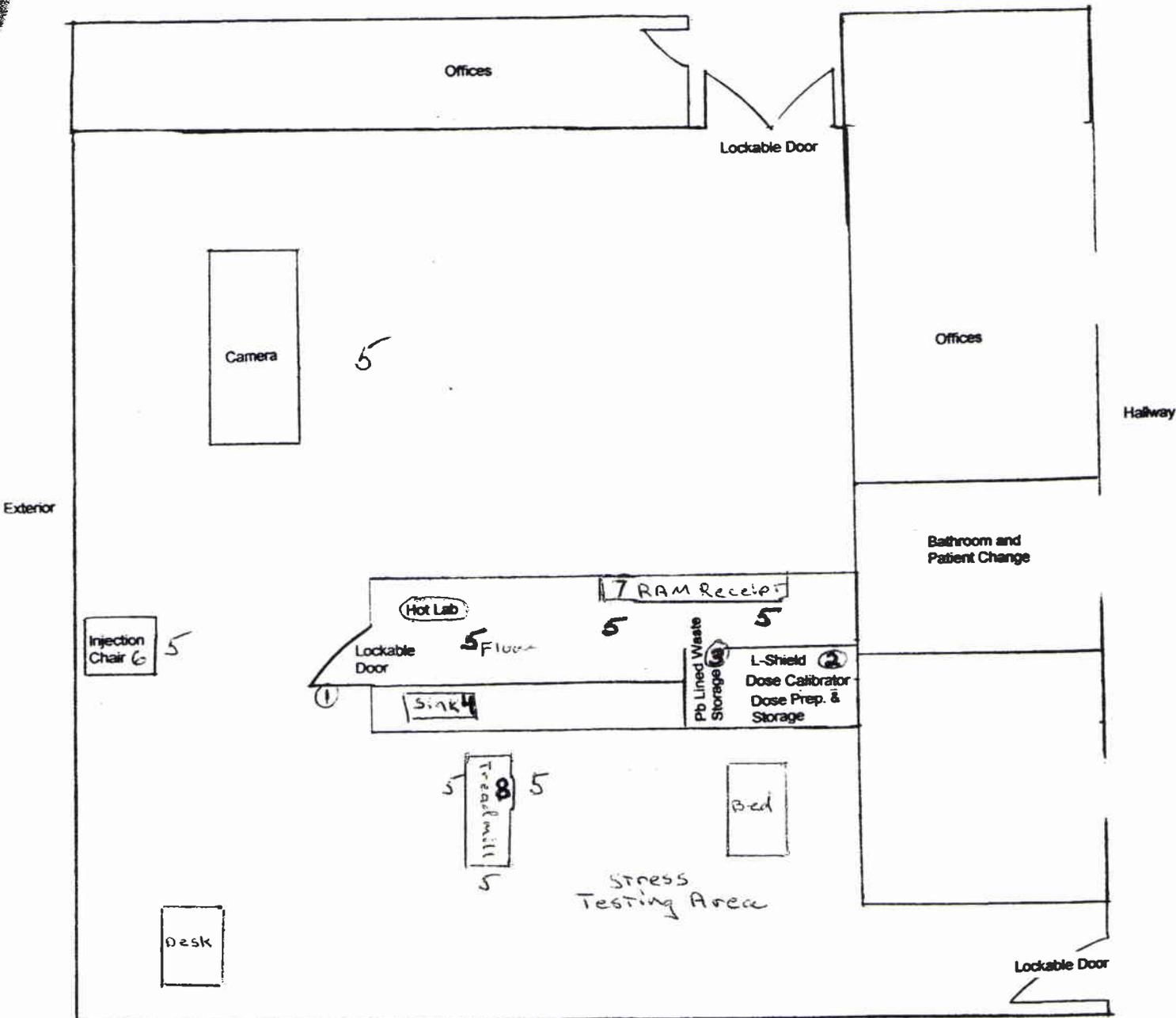
Thomas W. Dickinson (AMP)
Licensed Medical Nuclear Physicist

Facilities and Equipment Diagram

"Old" Nuclear Medicine Department

Located in X-Ray Department
4th Floor

Hallway



Last Leak Test on Sealed Sources

MEDICAL PHYSICS SURVEY SEALED SOURCE LEAK TEST ANALYSIS REPORT

FACILITY: St. Louis ConnectCare DEPARTMENT: Nuclear Medicine
LOCATION: St. Louis, Missouri ATTENTION: Dr. Poblete

Analysis of the WIPE used to conduct a leak test on the sealed sources identified below was performed by gas or scintillation detection and reveals removable contamination was less than 0.005 μCi , unless otherwise noted, when compared against NIST traceable standards.

Source: Cs-137 Vial, 216 μCi , 5/13/80, NEN, Mod # NES356, S/N 35660580A-64.

Date: 12/08/08 TWD
Wipe No.: 9027
MDA (μCi): 2 E-04
Net CPM: 57
Net μCi : < MDA
CPM for
0.005 μCi : 1,500
Analyst: LB

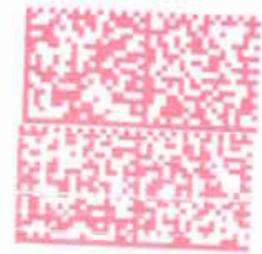
Source: Co-57, Flood, 10 mCi, 12/08/06, International Isotopes, Model # BM01-10, S/N BM01102554.

Date: 12/08/08 TWD
Wipe No.: 9028
MDA (μCi): 3 E -05
Net CPM: 9
Net μCi : < MDA
CPM for
0.005 μCi : 10,160
Analyst: LB

Performed by: Associates in Medical Physics, LLC Under License No. : 34-26645-02

ICC Saint Louis
ConnectCare

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St. Louis, MO 63112



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