

Livonia Internal Medicine Associates  
20311 Farmington Road  
Livonia, MI 48152  
August 7, 2007

Nuclear Regulatory Commission  
Region III  
Materials Licensing Branch  
2443 Warrenville Road, Ste. 210  
Lisle, IL 60532-4352

RE: Decommission of Nuclear Medicine Department – recommission of new nuclear medicine facility. NRC License # 21-32033-01.

We have completed the move of our facility that was located at 20331 Farmington Road, Livonia, MI to our new facility that is located at 20311 Farmington Road, Livonia, MI. Both of these locations are approved and on our license.

Sealed sources were removed and transferred to our new facility by our trained staff. Leak testing was performed after the move with no contamination found. The sealed source inventory and leak tests are attached. These tests were performed by Ray A. Carlson, M.S., our RSO and Vincent McCormick, M.S., our consulting physicist. The removable contamination was below 0.005 uCi.

A comprehensive survey of the whole nuclear hot lab, imaging and stress labs were performed using a thin end window GM meter set at its most sensitive setting. A battery check, check-source and background readings were performed prior to the survey. All survey results proved to be below background readings of 0.02 mR/h. (See attached spreadsheet and map) The following instrument was used:

Bicron Surveyor 2000 GM, serial no. A255H, last calibration on 7/1/2007.

Wipe tests were performed at all locations indicated on the attached map. Wipe tests were counted on a Capintec Caprac well counter. The efficiency used was 50% and all wipes counted for 1 minute. (See attached spreadsheet). All wipes revealed removable contamination below 2000 dpm limit.

All radioactive materials were placed in their lead shielding at the new location. The doors were posted with “Caution, Radioactive Material” signs and locked.

Both the 20331 Farmington Road and 20311 Farmington Road locations are owned by the same people, same management, same staff and consulting physicists. The move was simply a move to a better facility with which to service our patients.


Please forward any written documents to:

RECEIVED AUG 31 2007

Livonia Internal Medicine Associates  
20311 Farmington Road  
Livonia, MI 48152  
Fax: (248)442-1404

If you have any further questions, please contact me at (734)395-7361 or our consulting physicist, Vincent McCormick at (734)395-9323.

Sincerely,

  
Ray A. Carlson, M.S.  
Radiation Safety Officer

Livonia Internal Medicine  
Close-out Survey  
August 1, 2007

20331 Farmington Road  
Livonia, MI 48152

Area #	Description	Survey (mR/h)	Wipe (dpm)
1	Floor (Imaging Room & Hot Lab)	0.02	70
2	Floor (Imaging Room & Hot Lab)	0.02	142
3	Floor (Imaging Room & Hot Lab)	0.02	22
4	Floor (Imaging Room & Hot Lab)	0.02	136
5	Floor (Imaging Room & Hot Lab)	0.02	0
6	Floor (Imaging Room & Hot Lab)	0.02	142
7	Floor (Imaging Room & Hot Lab)	0.02	154
8	Floor (Imaging Room & Hot Lab)	0.02	142
9	Floor (Imaging Room & Hot Lab)	0.02	106
10	Floor (Imaging Room & Hot Lab)	0.02	52
11	Floor (Imaging Room & Hot Lab)	0.02	0
12	Floor (Imaging Room & Hot Lab)	0.02	58
13	Floor (Imaging Room & Hot Lab)	0.02	0
14	Floor (Imaging Room & Hot Lab)	0.02	0
15	Floor (Imaging Room & Hot Lab)	0.02	0
16	Floor (Imaging Room & Hot Lab)	0.02	0
17	Floor (Imaging Room & Hot Lab)	0.02	94
18	Floor (Imaging Room & Hot Lab)	0.02	100
19	Floor (Imaging Room & Hot Lab)	0.02	88
20	Floor (Imaging Room & Hot Lab)	0.02	82
21	Floor (Imaging Room & Hot Lab)	0.02	0
22	South Counter	0.02	0
23	South Counter	0.02	0
24	Sink	0.02	0
25	North Counter	0.02	4
26	North Counter	0.02	124
27	North Counter	0.02	40
28	Floor (Stress Lab)	0.02	64
29	Floor (Stress Lab)	0.02	10
30	Floor (Stress Lab) Near Treadmill	0.02	16
31	Floor (Stress Lab)	0.02	70
32	Floor (Stress Lab)	0.02	28
33	Floor (Stress Lab)	0.02	232
34	Floor (Stress Lab)	0.02	130
35	Floor (Stress Lab)	0.02	0
36	Floor (Stress Lab)	0.02	0
	Cs-137 Vial Source (after move)		86
	Co-57 Flood Source (after move)		88

**Location:** Livonia Internal Medicine Associates **Date of Inspection:** August 1, 2007

**SEALED SOURCE INVENTORY**

Nuclide	Type	Location	Calibration Activity	Calibration Date	Mfgr.	M/N	S/N
Cs-137	vial	Hot Lab	210 uCi	08/16/96	DuPont	NES-356	S356033-060
Co-57	flood	Hot Lab	10 mCi	03/01/06	IPL	NES-392	1155-074

RSO: Ray G. Carls, M.S.

**SEALED SOURCE LEAK TEST**

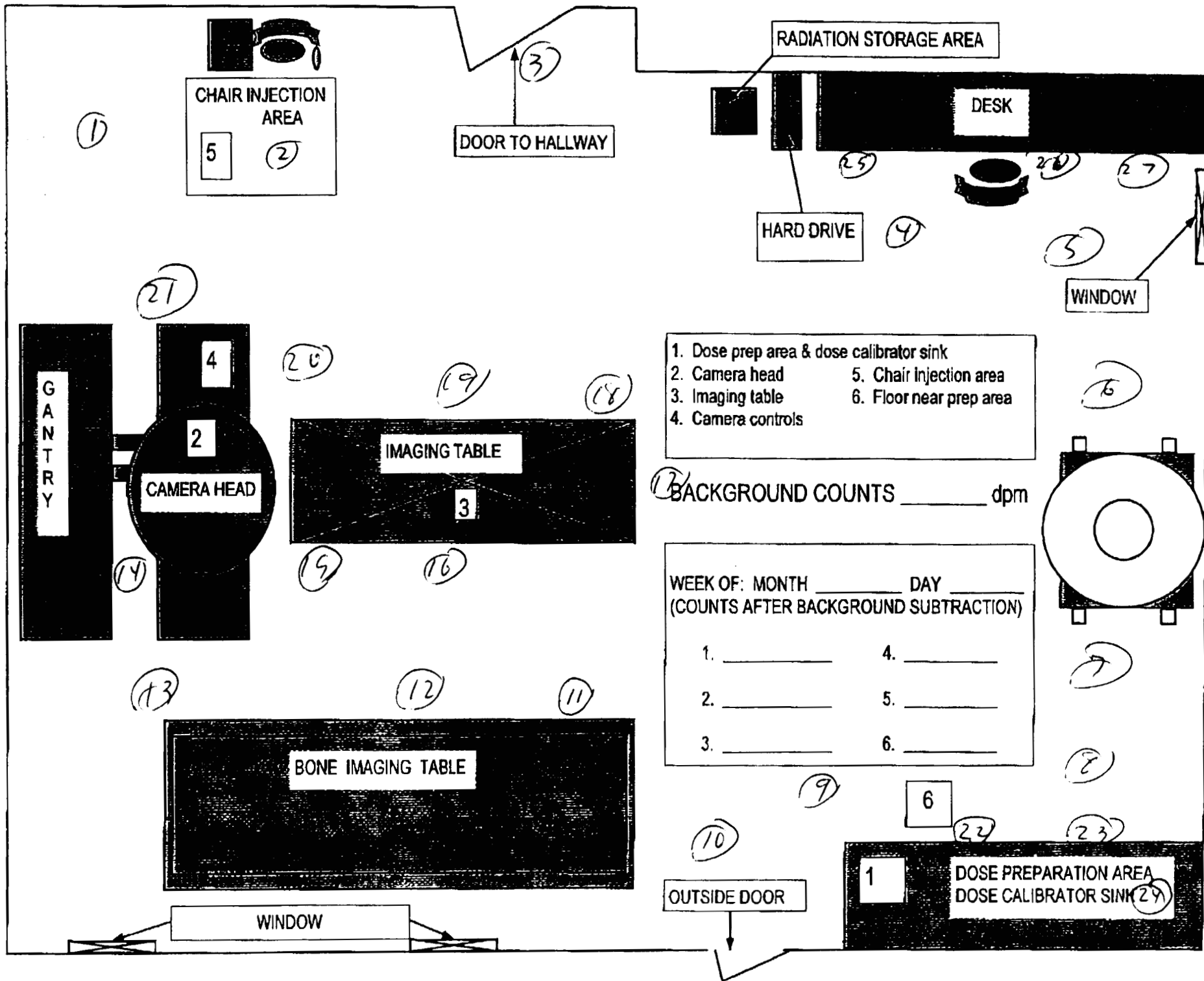
Nuclide	Type	Location	Calibration Activity	Calibration Date	Mfgr.	M/N	S/N
Cs-137	vial	Hot Lab	210 uCi	08/16/96	DuPont	NES-356	S356033-060
Co-57	flood	Hot Lab	10 mCi	03/01/06	IPL	NES-392	1155-074

**COMMENT:** *The sources listed above were leak tested using a wipe technique and were found to have less than 0.005 uCi removable activity.*

**TESTED BY:** Vincent McCormick, M.S.

**DATE:** August 1, 2007

RSO: Ray G. Carls, M.S.

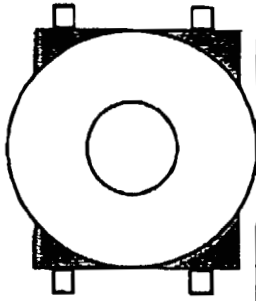


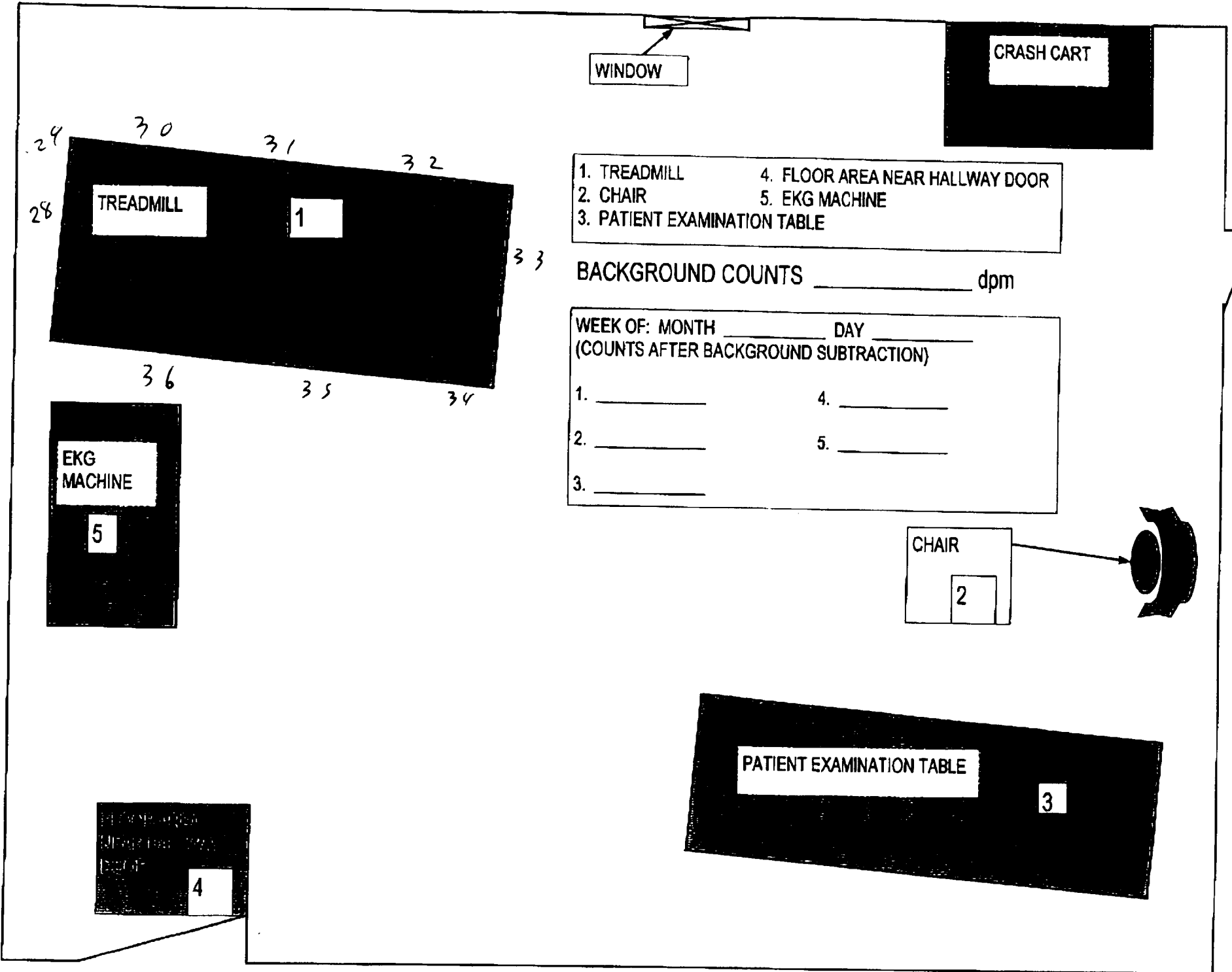
- 1. Dose prep area & dose calibrator sink
- 2. Camera head
- 3. Imaging table
- 4. Camera controls
- 5. Chair Injection area
- 6. Floor near prep area

(17) BACKGROUND COUNTS \_\_\_\_\_ dpm

WEEK OF: MONTH \_\_\_\_\_ DAY \_\_\_\_\_  
 (COUNTS AFTER BACKGROUND SUBTRACTION)

1. _____	4. _____
2. _____	5. _____
3. _____	6. _____





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Plymouth, MI 48170

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