



Eastside Cardiovascular Medicine, P.C.

Specializing In All Aspects of Cardiovascular Medicine

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

RE: Amendment to NRC License No. 21-26263-01
Eastside Cardiology, P.C.

Dear Sir/Madam:

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

Item #1

Enclosed are the results of the close-out survey of our Nuclear Medicine department located at 15500 Nineteen Mile Rd., Suite 330, Clinton Township, MI 48038

A close-out survey of our Nuclear Medicine department was performed on April 1 2010 at the above address and is enclosed for your review.

The last date of use of unsealed radioactive material at this site was March 31, 2010 for Tc-99m and March 17, 2010 for Tl-201. No other radioactive materials used in the Nuclear Medicine department.

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 and Cs-137 vial for constancy and accuracy testing.

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)
Eastside Cardiology, P.C.

Close-out Survey

Date performed: April 1, 2010

Performed by: Kevin B. Miller, B.S. Medical Physics Consultants

Comments: The Nuclear Medicine department was last used on March 31, 2010.

Wipe tests analyzed with a Capintec CRC-15W S/N# 171754

Instrument: Well Counter

Radionuclide: Full Spectrum MDA for Full Spectrum: 154 dpm

Date completed: 04/01/10 Conversion factor: 1.4 cpm/dpm

Area survey performed with the following survey meter:

Manufacturer: Ludlum

Type: GM

Model Number: 14C

Serial Number: 235096

Probe Model: End Window

Annual Calibration Due: 01/04/11

Battery check acceptable: YES

Operational check acceptable: YES

Current reading: 3.5 mR/hr

History of Radionuclides Used

Unsealed: The last date of use of unsealed radioactive material in the Nuclear Medicine department was March 31, 2010 for Tc-99m and March 17, 2010 for Tl-201. No other radioactive materials were used at this department.

Sealed: Cs-137 Vial and Co-57 flood last used on March 31, 2010.

Last date of radioactive material use: March 31, 2010.

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.

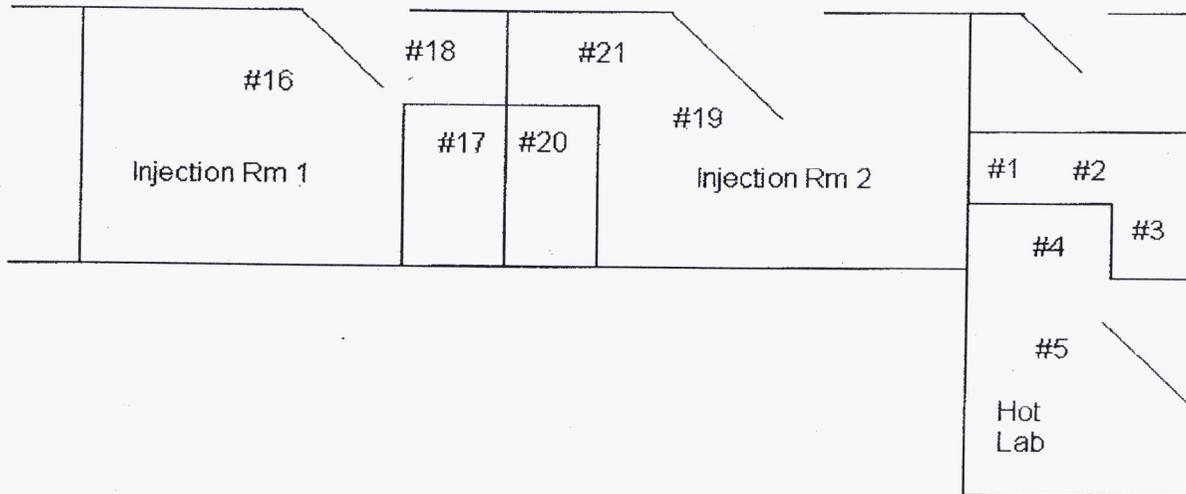
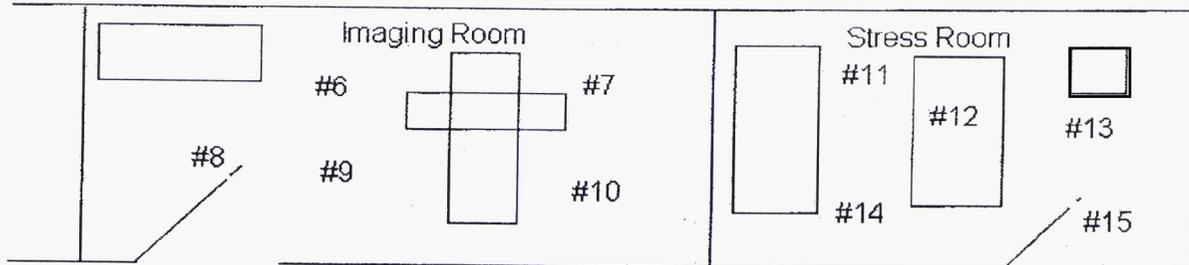
Radiation Level Survey: No area within the department demonstrated radiation levels in excess of the background reading of 0.02 mR/hr.

Removable Contamination: No area within the Nuclear Medicine department demonstrated removable contamination in excess of 105.0 dpm's. There is no history of any spills of long-lived radioisotopes.

Conclusion: No radioactive materials remain in the Nuclear Medicine department. No removable contamination is present.

Eastside Cardiology P.C.
 15500 Nineteen Mile Rd., Suite 330
 Clinton Township, MI 48038
 NRC License No. 21-26263-01

Nuclear Medicine Department



Removal Contamination

Eastside Cardiology				
License # 21-26263-01				
Date: 4/1/2010		Performed By: Kevin Miller		
Well Counter: CRC-15W		MDA: 154 dpm		
Survey Meter: Ludlum 14C EWGM		Check Value: 3.5 mR/hr		
Calibrated 01/04/10				
		dpm	net dpm	mR/h
1	Hot Lab Counter	213.00	48	0.02
2	Hot Lab Dose Prep	218.00	53	0.02
3	Hot Lab Counter	166.00	1	0.02
4	Hot Lab Floor	224.00	59	0.02
5	Hot Lab Floor	251.00	86	0.02
6	Imaging Room Floor	237.00	72	0.02
7	Imaging Room Floor	167.00	2	0.02
8	Imaging Room Floor	184.00	19	0.02
9	Imaging Room Floor	162.00	0	0.02
10	Imaging Room Floor	180.00	15	0.02
11	Stress Room Floor	143.00	0	0.02
12	Treadmill	251.00	86	0.02
13	Stress Room Floor	170.00	5	0.02
14	Stress Room Floor	167.00	2	0.02
15	Stress Room Floor	175.00	10	0.02
16	Inj Rm 1 Floor	183.00	18	0.02
17	Inj Rm 1 Counter	210.00	45	0.02
18	Inj Rm 1 Floor	267.00	102	0.02
19	Inj Rm 2 Floor	232.00	67	0.02
20	Inj Rm 2 Counter	243.00	78	0.02
21	Inj Rm 2 Floor	270.00	105	0.02
	Background	165		0.02
ACTION LEVELS: 2000 dpm		Efficiency (dpm/cpm):		1.4
				< 0.2 mR/hr
COMMENTS: No evidence of removable contamination.				
RSO Signature:				

Maximum removable contamination: 105.0 net dpm/100 cm²

Conclusion

As of April 1, 2010 all radioactive materials were removed from the site and no removable contamination was present.

From: Eastside Cardiovascular

02/11/2011 10:12

#636 P.006/006



Sealed Source Leak Test

Licensee: Eastside Cardiovascular Medicine, PCDate: 12/23/09Performed by: Kevin Miller

Nuclide	Type	Calibration		Location	M/N	S/N
		Activity	Date			
Cs-137	Vial	102.5 uCi	03/20/90	Hotlab	CR-154E	S8117-001-09
		Current Activity: 64.913uCi				
Co-57	FF	7.5 mCi	12/10/06	Hotlab	MED3727	101482
		Current Activity: 0.44mCi				

Comment: The sources listed above were leak tested using a dry wipe technique and were found to have less than 0.005 uCi removable activity. The following Minimum Detectable Activities are based upon a background at the indicated value. Background was at or below these levels when the above tests were completed.

Well Counter: Captus 3000

Nuclide	MDA	Background
Cs-137	2.0×10^{-4} uCi	145 counts/1 min
Ba-133	8.8×10^{-5} uCi	204 counts/1 min
Co-57	1.7×10^{-5} uCi	53 counts/1 min

RADIATION SAFETY OFFICER: _____



Eastside Cardiovascular Medicine, P.C.

Specializing In All Aspects of Cardiovascular Medicine

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Toye Simmons
NRC
Region III

Please find enclosed documents regarding our closeout on our Clinton Twp, Mi. office from April, 2010. If I can be of further assistance please call me at 586-775-4594.

Best regards, Cal Szalach

18325 Ten Mile Road
Suite 400
Roseville, MI 48066
586-775-4594

15500 Nineteen Mile Road
Suite 330
Clinton Township, MI 48038
586-228-5454