

MUHAMMAD A. MUNIR, M.D.

Diplomate American Board of Cardiovascular Diseases

Harper Professional Building 4045 W. 13 Mile Road,
4160 John R. Road, Suite # 622 Suite B 4
Detroit, MI 48201 Royal Oak, MI 48073



Southwest Cardiology
4607 W. Vernor
Detroit, MI 48209

Hamtramck Cardiovascular Center
11400 Josep Campau
Hamtramck, MI 48212

December 12, 2014

U. S. NUCLEAR REGULATORY COMMISSION
Region III
Materials Licensing Branch
2443 Warrenville Road, Ste 210
Lisle, IL 60532-4352

RE: Amendment #21- 32657-01 – Additional request

In response to your request:

- I have attached the inventory, map, leak tests and meter calibration information.

If you have any questions I can easily provide this to you by contact me as the site physicist and Laura T. Smith, MS, DABR at lsphysics@att.net. Please note in your records. I have a new home # 586 716 0577, and cell # 586 808 3058.

Sincerely,

A handwritten signature in black ink, appearing to read 'Laura T. Smith'. The signature is fluid and cursive, with a large initial 'L' and 'S'.

Laura T. Smith, MS, DABR
Radiation Safety Officer

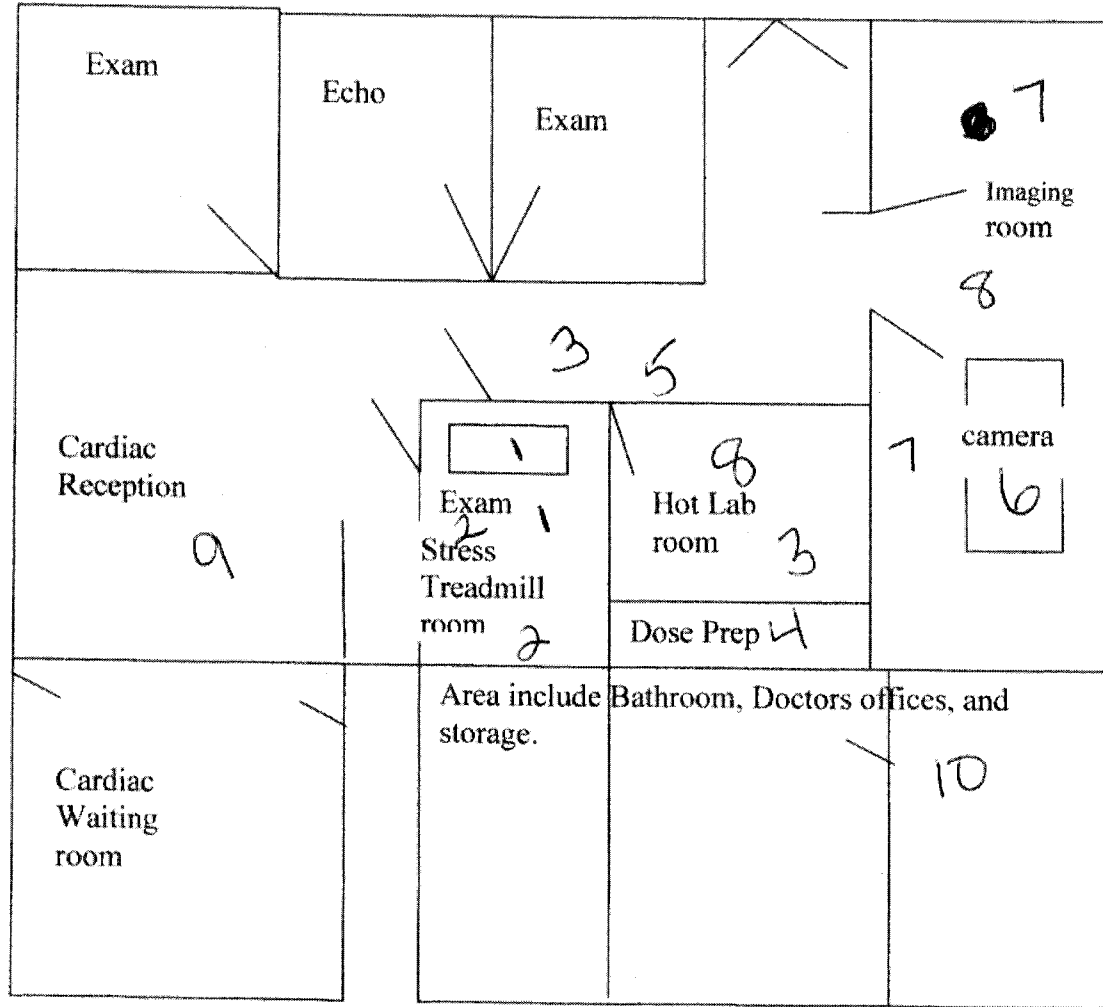
↓ North

Dr. Munirs space 21-32657-01
23077 Greenfield Road, Southfield, Mi 48075

Office
And
filing
reception

hallway

hallway



CERTIFICATE OF INSTRUMENT CALIBRATION

Location:	Munir/Murphy
Instrument/Mfgr:	Ludlum
Type:	EWGM
Model Number:	14C
Serial Number:	235114
Probe Type:	EWGM
Calibration Geometry:	in air

CALIBRATION SOURCE

<u>Nuclide</u>	<u>Exposure Rate</u>	<u>Calibration Accuracy</u>
Cs-137	44.2 mR/hr @ 1 meter on 02/15/91.	± 1.5% Traceable to N.I.S.T.

NRC License: 21-26253-01

CALIBRATION DATA

Scale	Exposure (mR/hr)	Reading (mR/hr)	Exposure (mR/hr)	Reading (mR/hr)
x 1000	1600	1600	400	400
x 100	160.0	160.0	40.0	40.0
x 10	16.0	16.0	4.0	4.0
x 1	1.6	1.6	0.4	0.4
x 0.1	0.16	0.16	0.04	0.04

Battery Check: O.K.	Dedicated Source 1.5 mR/hr
	Check:
Comments:	
Calibrated By: Laura T. Smith, M.S.	Date: 3/21/2013

After Move
SEALED SOURCE INVENTORY

NUCLIDE	TYPE	LOCATION	CALIBRATION		MFGR	M/N	S/N
			ACTIVITY	DATE			
Cs-137	Vial	Hot Lab	204 uCi	5/7/1979	NES	NES-356	S3560579A-16
Cs-137	Rod	Hot Lab	0.5 uCi	8/1/1999	IDL		645-44-1
Ba-133	Vial	Hot Lab	245.2 uCi	1/1/2010	Eckert & Ziegler		1366-41-20

*The meter spot was taken off the inventory as it is not required for inventory.

RSO: 

After Move
SEALED SOURCE LEAK TESTS

NUCLIDE	TYPE	LOCATION	CALIBRATION		MFGR	M/N	S/N
			ACTIVITY	DATE			
Cs-137	Vial	Hot Lab	204 uCi	5/7/1979	NES	NES-356	S3560579A-16
Cs-137	Rod	Hot Lab	0.5 uCi	8/1/1999	IDL		645-44-1
Ba-133	Vial	Hot Lab	245.2 uCi	1/1/2010	Eckert & Ziegler		1366-41-20

RSO: 

Performed by:

Laura T. Smith, MS

Date Tested: 1/31/2014

Comments:

The sources listed above were leak tested using an alcohol wipe and were found to have less than 0.005 uCi removable activity.

Shaffer, Vered

From: Laura T. Smith- Physics <lsphysics@att.net>
Sent: Monday, December 15, 2014 8:01 AM
To: Shaffer, Vered
Subject: Re: -secure- request for more information 21-32657-01
Attachments: Munir NRC 2014 2.JPG; NRC munir request 2014 ss inventory.JPG; NRC munir request 2014 meter calibration.JPG; NRC munir request 2014 map.JPG

Yes, I have been out of town at RSNA meeting, I am back.
this is the cover letter attached.

=)
Please confirm it is ok.

Laura Smith
I prefer email communications

From: "Shaffer, Vered" <Vered.Shaffer@nrc.gov>
To: Laura T. Smith- Physics <lsphysics@att.net>
Sent: Friday, December 12, 2014 11:56 AM
Subject: RE: -secure- request for more information 21-32657-01

Hi Laura,

I am just checking in again. I had sent you an email earlier this week. I need to get a signed letter for these documents so I can tie down these additional documents to the license. Could you please in an email provide a cover letter and these attachments?

Thanks,
Vered

From: Laura T. Smith- Physics [mailto:lsphysics@att.net]
Sent: Sunday, December 07, 2014 9:07 PM
To: Shaffer, Vered
Subject: -secure- request for more information 21-32657-01

Hello Vered,
I have attached the requested information. If you need anything else, email me.
Thanks,
=)

Laura Smith
I prefer email communications

From: "Shaffer, Vered" <Vered.Shaffer@nrc.gov>
To: "lsphysics@att.net" <lsphysics@att.net>
Sent: Friday, December 5, 2014 12:11 PM
Subject: Request for more information on NRC license 21-32657-01

Hi Laura,

Thank you for speaking with me this morning regarding your license amendment for Dr. Muhammad Munir.

Attached is the conversation record which details what we spoke about and the additional information that I need in order to continue with the review of the application. I have requested the information by December 15th but if you can get it to me sooner that would be great.

If you have any questions, please feel free to contact me.

Vered

Health Physicist

U.S. Nuclear Regulatory Commission, Region III Division of Nuclear Materials Safety Materials
Licensing Branch vered.shaffer@nrc.gov
630-829-9862 (Office)
630-515-1259 (Fax)