

JOSEPH R. ROBINSON MD PHD PC
FACC FACF
CARDIOVASCULAR MEDICINE

LISSA B. ANDRAKAKOS CRNP
ACUTE CARE NURSE PRACTITIONER

Br. 1

December 23, 2010

U.S. Nuclear Regulatory Commission
Region 1
Nuclear Material Section B
475 Allendale Road
King of Prussia, PA 19406

RE: Close-out survey for Dr. Robinson at Irving Street
NRC License Number 19-31093-01
Docket Number 030-~~370~~-37041

R/S

To Whom It May Concern:

I am writing to request the areas previously utilized as the Camera Room, Injection Room and Stress Lab of Dr. Robinson's Nuclear Medicine space at 106 Irving Street, NW, Suite 3600N, Washington, DC 20010, be released for unrestricted use. In accordance with the guidelines established by the NRC, dated December, 1975, "Guidelines for Decontamination of Facilities and Equipment Prior to Release for Unrestricted Use", we herein submit the final survey of the NM facility. Catalin Frujinoiu, PhD, C.H.P. of Krueger-Gilbert Health Physics, Inc. performed this survey in December 23, 2010. (Refer to enclosures.)

In lieu of the fact that only short half-life non-sealed material (mainly Tc-99m and occasionally Tl-201) were used at the facility, we request that NRC release the areas based on the results of the final closeout survey performed by Krueger-Gilbert Health Physics, Inc.

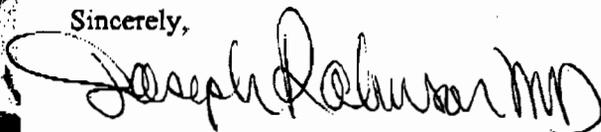
Please forward communication regarding these matters to Dr. Robinson, M.D., copy to Mr. John Thomas, CNMT, at the following addresses:

Joseph R. Robinson, MD, PC
15757 Crabbs Branch Way
Rockville, MD 20855

John Thomas
9110 Sybert Drive
Ellicott City, MD 21043

If you have any questions regarding this request, please contact the undersigned or Catalin Frujinoiu of Krueger-Gilbert Health Physics, Inc. at (410) 692-9806.

Sincerely,



Joseph R. Robinson, MD

106 IRVING STREET, NW
SUITE 3600, NORTH TOWER
WASHINGTON, DC 20010
202-722-7417
FAX: 202-722-5114

15757 CRABBS BRANCH WAY
ROCKVILLE, MD 20855-2634
301-670-4633
FAX: 301-670-6143

574168



Krueger-Gilbert Health Physics, Inc.

1118 BALDWIN MILL ROAD
JARRETTSVILLE, MARYLAND 21084
(410) 692-9806 FAX (410) 692-9807

Attention: Dr. Joseph Robinson, M.D., P.C.
106 Irving St. NW, Suite 3600N
Washington, D.C. 20010

CC: Mr. John Thomas, CNMT
9110 Sybert Drive
Ellicott City, MD 21043

December 23, 2010

Re': Closeout radiation survey for NRC License Number 19-31093-01; Docket Number 030-37041

On December 23, 2010 I conducted a closeout survey of your NM Facility located at 106 Irving St. NW, Suite 3600N, Washington, D.C. 20010. The closeout survey was performed in accordance with guidelines established by the NRC, dated December, 1975, "Guidelines for Decontamination of Facilities and Equipment Prior to Release for Unrestricted Use." Wipe testing and survey meter monitoring were performed as indicated on the enclosed diagrams. In addition, you will find a draft letter to NRC requesting the release of these areas for unrestricted use.

Wipe tests were conducted on 100 cm² areas using absorbent paper moistened with alcohol. Counting of the wipes was performed using a Ludlum Well Counter with an efficiency of 12.0 % for 662 keV and 52.0 % for 122 keV photon energies.

As the enclosures demonstrate, the surveyed areas were free of radioactive sources and contamination.

Please take the following action:

1. Sign the enclosed draft letter printed on facility letterhead.
2. Forward the signed letter and copy of closeout survey report to NRC.
3. Retain one copy of the entire package in the facility's license file.

Upon receipt of the termination letter, please forward a copy to the office of Krueger-Gilbert Health Physics, Inc. for our files.

Any questions regarding the above matter should be addressed to the undersigned.

A handwritten signature in black ink, appearing to read 'C. Fruijhoiu', is written over a faint, illegible printed name.

Catalin Fruijhoiu, Ph.D., C.H.P.
Health Physicist

Enclosures: NRC letter
Closeout survey

(Close Out Survey _ Dr. Robinson Irving Street 1210)ml



Krueger-Gilbert Health Physics, Inc.

1118 BALDWIN MILL ROAD
JARRETTSVILLE, MARYLAND 21084
(410) 692-9806 FAX (410) 692-9807

CLOSE-OUT SURVEY

Attention: Dr. Joseph Robinson, M.D., P.C.
106 Irving St. NW, Suite 3600N
Washington, D.C. 20010

Survey date: December 23, 2010

Method and Materials

Radiation exposure levels were monitored with a **Victoreen, Model 451P, SN:3706**, ion chamber, last calibrated 5/13/2010. Areas surveyed and results are indicated on the enclosed diagram.

Hotspots were identified with a **Ludlum 3 meter with NaI detector, 44-3, s/n 117220**, last calibrated 12/22/2010.

Wipe tests were conducted on 100 cm² areas using absorbent paper moistened with alcohol. Wipe testing and results are indicated on the enclosed diagram.

Instrument: **Ludlum Scaler Model 2200/Ludlum NaI Well Model 2200, SN: 74451**, last calibrated on December 15, 2010.

Detector Efficiency: Cs-137 (662 keV) = 12 %
Ba-133 (356 keV) = 18 %
Co-57 (122 keV) = 52 %

The minimal detectable activity (MDA) was determined using a worst case efficiency of 12.0 % and background + 3 σ .

MDA = 5.72E-05 μ Ci or 127 DPM

SURVEY RESULTS
Camera Room, Hot Lab

Survey Date: December 23, 2010
Instrument: Victoreen, Model 451P, SN: 3706
Calibration Date: May, 2010
Background: 10 - 20 μ R/hr

Sample <u>Location</u>	Survey Meter <u>Reading</u>
I - 35	10 - 20 μ R/hr

WIPE TEST RESULTS
Camera Room, Hot Lab

Survey Date: December 23, 2010
Place: Camera room; about size 2.3 m x 3.3 m
Instrument: Ludlum Scaler Model 2200/Ludlum NaI Well Model 2200, SN: 74451
Detector Efficiency: Cs-137 (662 keV) = 12 %
Ba-133 (356 keV) = 18 %
Co-57 (122 keV) = 52 %

Sample <u>Location</u>	Results <u>(Net DPM)</u>
1-10	< MDA
11-20	< MDA
21-30	< MDA
31-35	< MDA

Dr. Joseph Robinson, M.D., P.C.
106 Irving St. NW, Suite 3600N
Washington, D.C. 20010
NRC License Number 19-31093-01; Docket Number 030-37041
Closeout Survey - Camera Room, Hot Lab

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
			Camera (tallies 24, 25, 29, 30, 34, 35)	
21	22	23	24	25
Hot Lab (tallies 16,21,26,31)	26	27	28	29
30	31	32	33	34
35	36	37	38	39

Not to Scale

SURVEY RESULTS
Stress Room

Survey Date: December 23, 2010
Instrument: Victoreen, Model 451P, SN: 3706
Calibration Date: May, 2010
Background: 10 - 20 μ R/hr

Sample	Survey Meter
<u>Location</u>	<u>Reading</u>
1 - 35	10 - 20 μ R/hr

WIPE TEST RESULTS
Stress Room

Survey Date: December 23, 2010
Place: Stress room; about size 3 m x 5 m
Instrument: Ludlum Scaler Model 2200/Ludlum NaI Well Model 2200, SN: 74451
Detector Efficiency: Cs-137 (662 keV) = 12 %
Ba-133 (356 keV) = 18 %
Co-57 (122 keV) = 52 %

Sample	Results
<u>Location</u>	<u>(Net DPM)</u>
1-10	< MDA
11-20	< MDA
21-30	< MDA
31-35	< MDA

Dr. Joseph Robinson, M.D., P.C.
106 Irving St. NW, Suite 3600N
Washington, D.C. 20010
NRC License Number 19-31093-01; Docket Number 030-37041
Closeout Survey – Stress Room

1	2	3	4	5
			Tread Mill (tallies 4, 5, 9, 10, 14, 15)	
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	Counters 35

Not to Scale

SURVEY RESULTS
Injection Room

Survey Date: December 23, 2010
Instrument: Victoreen, Model 451P, SN: 3706
Calibration Date: May, 2010
Background: 10 - 20 μ R/hr

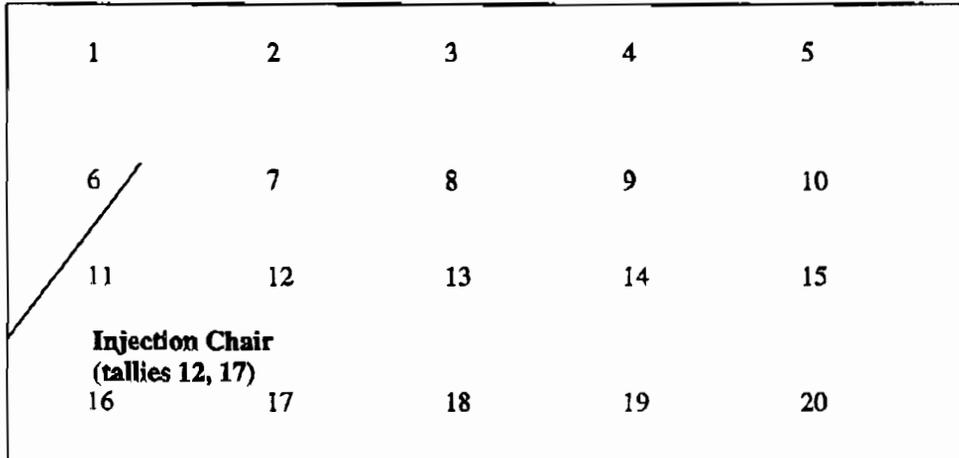
<u>Sample</u> <u>Location</u>	<u>Survey Meter</u> <u>Reading</u>
1 - 20	10 - 20 μ R/hr

WIPE TEST RESULTS
Injection Room

Survey Date: December 23, 2010
Place: Stress room; Approximate size 2 m x 4 m
Instrument: Ludlum Scaler Model 2200/Ludlum NaI Well Model 2200, SN: 74451
Detector Efficiency: Cs-137 (662 keV) = 12 %
Ba-133 (356 keV) = 18 %
Co-57 (122 keV) = 52 %

<u>Sample</u> <u>Location</u>	<u>Results</u> <u>(Net DPM)</u>
1-10	< MDA
11-20	< MDA

Dr. Joseph Robinson, M.D., P.C.
106 Irving St. NW, Suite 3600N
Washington, D.C. 20010
NRC License Number 19-31093-01; Docket Number 030-37041
Closeout Survey – Injection Room



Not to Scale

This is to acknowledge the receipt of your letter application dated

12/23/10, and to inform you that the initial processing which includes an administrative review has been performed.

Amendment (19-31093-01)
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 574168.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.