



**HEART &
VASCULAR**
CLINIC

620 Stanton Christiana Road
Suite 203
Newark, DE 19713
(302) 338-9444
www.heartandvascularclinic.com

410 Foulk Road
Suite 101
Wilmington, DE 19803
(302) 518-6200
www.heartandvascularclinic.com

Br. 1

May 25, 2017

U.S. Nuclear Regulatory Commission
Region 1
2100 Renaissance Blvd.
King of Prussia, PA 19406-1415

03038183

RE: Radioactive Materials License 07-31394-01 Heart & Vascular Clinic

Dear License Reviewer,

We wish to amend our radioactive materials license to reflect the following:

- We would like to remove 118 Sandhill Drive, Suite 104, Middletown, DE 19709 as an area of use on license 07-31394-01.
 - All day to day nuclear medicine operations have ceased at the area of use – location: 118 Sandhill Drive, Suite 104, Middletown, DE 19709
 - All sealed sources were moved to the authorized area of use: 620 Stanton Christiana Road, Suite 203, Newark, DE 19713.
 - We would like to designate the areas of the nuclear cardiology imaging room (which includes the hot lab, camera and treadmill) at 118 Sandhill Drive, Suite 104, Middletown, DE 19709 as unrestricted for general use.
 - Please see the attached wipe and survey results.
 - Operations at 620 Stanton Christiana Road, Suite 203, Newark, DE 19713 and 410 Foulk Road, Suite 101, Wilmington, DE remain active as currently licensed.

If you have any questions or need clarification, please contact me at 302.338.9444.

Sincerely,

Ashish Parikh, MD
Radiation Safety Officer

REC RG 1 06 06 17 010714

599769

NMSS/RGN1 MATERIALS-002

**The Heart & Vascular Clinic
118 Sadhill Drive - Suite 104
Middletown, De 19709**

CLOSE-OUT AREA SURVEY

LICENSE NUMBER: 07-31394-01

Date: 5/24/2017

SURVEY METER: Ludlum 14 C
SN: 185131
Calibration Date: 12/14/2016

Battery Check: ✓
Check Measurement: 1.5 mR/hr
Expected Check Measurement: 1.40 mR/hr
Background Measure: 0.02 mR/hr

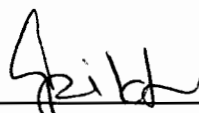
Surveys performed at a distance of 1-2 inches off of surface

<u>Survey Location</u>	<u>Measurement mR/hr</u>
Nuclear Imaging Lab	
Floor - Camera Area	0.01
Floor - Inside Double Door	0.02
Floor - Inside Sliding Door	0.02
Floor - Front of Cabinets	0.02
Door Handles (all) (in & out)	0.03
Light Switches (all)	0.03
Telephone Handle	0.02
Counter Surfaces (hot lab area)	0.01
Counter Surfaces (desk)	0.02
Hand Sanitizer Dispenser	0.02
Cabinet Faces/Handles	0.02
Drawers - Inside	0.01
Sink - including handles	0.02
Drawers - Faces/Handles	0.02
Cabinets - Inside	0.01
Injection Chair	0.02
Treadmill	0.02

Survey Performed By:


 Nuclear Medicine Technologist

Reviewed By:


 Radiation Safety Officer

**The Heart & Vascular Clinic
118 Sathill Drive - Suite 104
Middletown, De 19709**

CLOSE-OUT AREA WIPE

LICENSE NUMBER: 07-31394-01

Date: 5/24/2017

INSTRUMENT USED:

WELL: Capintec CAPRAC
SN: 170517

WELL EFFICIENCY (¹³⁷Cs): 29.5%
BACKGROUND: 270 CPM

SETTING: WIPE

Wipe area - a minimum of 100 cm2 (light switches door handles, entire surface)

<u>WIPE LOCATION</u>	<u>COUNT TIME</u> (Sec)	<u>RESULTS</u> (CPM)	<u>RESULTS</u> (NET CPM)	<u>RESULTS</u> (DPM)
Nuclear Imaging Lab				
Floor - Camera Area	60	261	-9	-31
Floor - Inside Double Door	60	250	-20	-68
Floor - Inside Sliding Door	60	227	-43	-146
Floor - Front of Cabinets	60	259	-11	-37
Door Handles (all) (in & out)	60	265	-5	-17
Light Switches (all)	60	275	5	17
Telephone Handle	60	241	-29	-98
Counter Surfaces (hot lab area)	60	256	-14	-47
Counter Surfaces (desk)	60	264	-6	-20
Hand Sanitizer Dispenser	60	298	28	95
Cabinet Faces/Handles	60	251	-19	-64
Drawers - Inside	60	258	-12	-41
Sink - including handles	60	247	-23	-78
Drawers - Faces/Handles	60	261	-9	-31
Cabinets - Inside	60	278	8	27
Injection Chair	60	263	-7	-24
Treadmill	60	266	-4	-14

Performed By:



Nuclear Medicine Technologist

Reviewed By:



Radiation Safety Officer



ACKNOWLEDGEMENT - RECEIPT OF CORRESPONDENCE

Name and Address of Applicant and/or Licensee

Ashish Parikh, M.D.
Radiation Safety Officer
Heart and Vascular Clinic
620 Stanton Christiana Road
Suite 203
Newark, DE 19713

Date

June 9, 2017

License Number(s)

07-31394-01

Mail Control Number(s)

599769

Licensing and/or Technical Reviewer or Branch

Medical Branch

This is to acknowledge receipt of your: Letter and/or Application Dated: May 25, 2017

The initial processing, which included an administrative review, has been performed.

Amendment Termination New License Renewal

There were no administrative omissions identified during our initial review.

This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.

Your application for a new NRC license did not include your taxpayer identification number. Please complete and submit NRC Form 531, Request for Taxpayer Identification Number, located at the following link: <http://www.nrc.gov/reading-rm/doc-collections/forms/nrc531.pdf>
Follow the instructions on the form for submission.

The following administrative omissions have been identified:

Your application has been assigned the above listed MAIL CONTROL NUMBER. When calling to inquire about this action, please refer to this control number. Your application has been forwarded to a technical reviewer. Please note that the technical review, which is normally completed within 180 days for a renewal application (90 days for all other requests), may identify additional omissions or require additional information. If you have any questions concerning the processing of your application, our contact information is listed below:

**Region I
U. S. Nuclear Regulatory Commission
Division of Nuclear Materials Safety
2100 Renaissance Boulevard, Suite 100
King of Prussia, PA 19406-2713
(610) 337-5260, (610) 337-5313,
(610) 337-5398, (610) 337-5239**