



Boone Memorial Hospital
701 Madison Avenue
Madison, West Virginia 25130

June 24, 2016

L-9

U.S. NRC Region I DNMS
Nuclear Materials Section B
2100 Renaissance Boulevard
King of Prussia, Pennsylvania 19406

(ref - RUS)

03037592

**RE: Mail Control Number 590119: Closeout Survey Amendment for
US NRC Radioactive Materials License # 47-31291-01
Boone Memorial Hospital, 701 Madison Ave, Madison, WV, 25130**

Dear Sir or Madam:

As described in our amendment request letter dated 2/1/2016, this letter is to notify the NRC that we have relocated licensed activities to our new hospital. We ceased Nuclear Medicine program clinical procedures involving radioactive materials on 06/24/2016 at our old facility. Note that the only radiopharmaceutical we use for clinical procedures is Technetium-99m.

DISPOSAL OF RADIOACTIVE MATERIALS: All unsealed radioactive source shipping containers at the old facility have been returned to the nuclear pharmacy. All radioactive waste containers held for decay-in-storage at the old facility have been surveyed, found to be equivalent to background, and disposed of with proper documentation on-site. All sealed calibration and reference sources have been moved to the new hot lab where they are secured from unauthorized access or removal.

CLOSEOUT SURVEY: A closeout survey has been performed in accordance with 10 CFR 20, Subpart E, to verify that all radioactive material has been removed from the old location and that no residual or ALARA amounts of radioactivity remains. Wipe tests of the areas of use were obtained to detect residual removable radioactive contamination.

CLOSEOUT SURVEY RESULTS: The results of the closeout survey confirm the absence of licensed radioactive materials in our old nuclear medicine department. A copy of the radiation survey results is attached.

POSTINGS: Following removal of all licensed radioactive material and with acceptable closeout survey results, all radioactive material postings and labels in the old facility were removed.

REC'D IN LAT. 6/27/16

591201
NM99/RGN1 MATERIALS-002

REQEUSTED ACTION: Please authorize the release of our old Nuclear Medicine Department area for unrestricted use. These areas will be repurposed by our facility subsequent to NRC approval and we wish to schedule remodeling as soon as possible. We request that a copy of the amended license be faxed to: 304-307-2601 at your earliest convenience.

Thank you for your consideration of this request. If there are any questions concerning this correspondence, please do not hesitate to contact us.

Sincerely yours,



Jeff Mosteller, CNMT
Certified Nuclear Medicine Technologist/Assistant RSO
Office Ph: (304) 369-1230 x 285 (ext. 7701 beginning 06/25/16)
Fax: (304) 307-2601
Email: jmosteller@bmh.org

cc: James T. Norweck, MS, DABR
Radiation Safety Officer
jnorweck@radiology-inc.com

Closeout Radiation Survey Record

Facility: Boone Memorial Hospital in Madison, WV

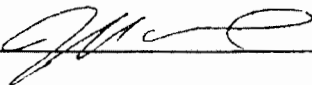
<i>Action Levels:</i>		
Area	Radiation Survey Limit	Removable Contamination Limit (Class 1/2)
Unrestricted	2.0 mR/hr	200 / 2,000 DPM

<i>Instruments Used for Surveys</i>				
Survey	Make & Model	Serial No.	Calibrated	Detector Efficiency
Area	Ludlum 14-C	246408	10/6/15	5%
Wipe	Capintec CRC-15W	172079	1/27/16	77% (Co-57)

NOTES:

1. For Radiation Surveys: mR/hr = mRem/hr; For Wipe Tests: CPM = Counts Per Minute over 100 cm²; If wipe CPM is >Bkg, convert net (n) CPM to DPM, (DPM = nCPM/Detector Efficiency).
2. Radiopharmaceutical Class: 1= In-111, I-123, I-125, I-131, Ra-223; Class 2= Co-57, Ga-67, Tc-99m, Tl-201.
3. Closeout Surveys must be performed in all areas where radioactive materials were prepared, administered, or stored.
4. Area Survey Method: Maintain the detector about 1 cm from the surface being scanned and moved from side-to-side in a 1 meter wide pattern at a rate of about 3 cm per second. Monitor the audible meter signal was monitored for any increase in count rate. An increase in count rate would result in further investigation to localize the level and extent of residual radioactivity.
5. Wipe Test Method: Use alcohol prep pad held with long handled forceps with moderate pressure and wipe surfaces from side-to-side in serpentine pattern with at least 20% coverage per square meter. Wipe sample areas must cover at least 100 cm². A single wipe sample may be used to cover a larger area (300 to 400 cm²). If any wipe surveys indicate contamination approaching 10% of the release criteria, the area would be resampled at 100% coverage using a single smear per square meter measure the level and extent of residual radioactivity.

Date Surveyed:	05/24/2016			
Survey	mR/hr	CPM	mR/hr	CPM
Location	mR/hr	nCPM/DPM	mR/hr	nCPM/DPM
Hot Lab Counter	.02	552/0		
Hot Lab Counter where packages are delivered	.02	552/0		
Hot Lab Floor	.02	564/0		
Dose Stand in Imaging	.02	696/113		
Floor In Imaging	.02	624/19		
Camera Bed	.02	516/0		
Treadmill	.02	526/0		
Floor Beside Treadmill	.02	672/82		
Dose Stand in Treadmill Room	.02	684/97		

Surveyor's Signature:		Director of mechanical Assistant RSO
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ACKNOWLEDGEMENT - RECEIPT OF CORRESPONDENCE

Name and Address of Applicant and/or Licensee Mark Linville Chief Operating Officer Boone Memorial Hospital, Inc. 701 Madison Avenue Madison, WV 25130	Date June 30, 2016
	License Number(s) 47-31291-01
	Mail Control Number(s) 591201
	Licensing and/or Technical Reviewer or Branch Lester Tripp

This is to acknowledge receipt of your: Letter and/or Application Dated: June 24, 2016

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:
 [Empty box for listing omissions]

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