Marshall Health NETWORK | CABELL HUNTINGTON HOSPITAL

1340 Hal Greer Blvd
Huntington, WV 25701

July 20, 2026

Janice Nguyen
Senior Health Physicist
Inspection and Licensing Branch 1
U.S. Nuclear Regulatory Commission
Division of Radiological Safety and Security
475 Allendale Road, Suite 102
King of Prussia, PA 19406-1415

RE: **Responses to Request for Additional Information, Mail Control # 659133**
Marshall Cardiology Closeout Amendment Request
NRC Radioactive Materials License # 47-00404-02
Cabell Huntington Hospital
1340 Hal Greer Boulevard
Huntington, WV 25701-0195

Dear Jan:

This letter is in response to your email of July 14, 2026 requesting additional information for our amendment request to remove the Marshall Cardiology, Erma Ora Byrd Clinical Center facility, 1249 15th Street, Suite 4000, Huntington, WV 25705 location as an area of materials use and release it for unrestricted access and use not related to radioactive material.

1. Attached you will find the calibration certificate for the survey meter used to conduct the close-out area surveys. Please note the surveys were done 4/20/2026 and the survey meter was due for recalibration on 4/24/2026.
2. Attached you will find the last chi-square and calibration certificates for the well counter used to conduct the close-out contamination wipe surveys. Please note that the last time radioactive materials were received or used at this location was 1/9/2026. As this location utilized Tc-99m only, no residual contamination was expected on 4/20/2026.
3. We confirm that the inventory of sealed sources removed from our facility by Bionomics is for the sources at Marshall Cardiology, Erma Ora Byrd Clinical Center, 1249 15th Street, Suite 4000, Huntington, WV 25705.
4. We confirm that the submitted area survey and wipe records are for the Marshall Cardiology, Erma Ora Byrd Clinical Center, 1249 15th Street, Suite 4000, Huntington, WV 25705 location. The NMIS computerized record keeping system used was licensed under Cabell Huntington Hospital and shows the hospital address in the report header but also correctly show the location to be Marshall Cardiology. The survey meter used to conduct the close-out surveys is as specified in Item 1 above. The NMIS Area Survey record correctly shows the survey meter Next Calibration Date to be 4/25/2026, however the Survey Meter QC record incorrectly indicates the Instrument Calibration Date to be 4/25/2026. We believe this is a wording inconsistency inherent to that version of the NMIS software and, while unclear, likely meant to indicate the instrument calibration due date.

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If there are any additional questions, please do not hesitate to contact us. You may contact and accept responses directly from James Norweck if any further technical information is needed relative to this request. Thank you for your consideration.

Sincerely,

Tim Martin, MBA, ACHE
President, Cabell Huntington Hospital
Email: tim.martin@mhnetwork.org

cc:

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

Tina Shoemaker, CNMT, NMTCB(RS)
Assistant Radiation Safety Officer
Email: tina.shoemaker@mhnetwork.org

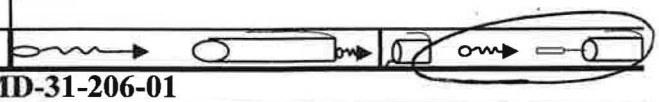
Certificate of Calibration

Calibration Services

9600 Medical Center Drive
Rockville Md 20850
Phone:301-379-6013

amcalibration@aol.com

Meter Owner:	Pharmalogic Barboursville	**Manufacturer:**	**Ludlum**
Calibration Date	4/24/2025	**Model Number:**	14-C
Calibration Due Date:	4/24/2026	**Serial Number:**	191963
Location			



AM Calibration Radioactive Material License: MD-31-206-01

Inspection Item		
Batteries Changed	no	
Internal Adjustment	no	

Instrument Calibration Information

44-7 ***197958*** **w/cap**

Instrument Scale	**mR/hr Reading**	**True Reading**		**Scale CF**
x 1000.0	1100	1155	1.050	1.000
x "	300	288	0.960	"
x 100.0	135	128	0.948	0.974
x "	32	32	1.000	"
x 10.0	12	14.2	1.183	1.010
x "	3.5	2.9	0.828	"
x 1.0	1.3	1.28	0.985	0.992
x "	0.32	0.32	1.000	"
x 0.1	0.14	0.14	1.000	1.000
x "	0.07	0.097	1.000	"

Check Source Reading = 2.80mR/hr-cap off

This certifies that the above instrument has been calibrated with a Cs137 source, Shepherd Model 28-6 #10258-300mCi (9/17/92). Exposure rate for this source has been verified with instrumentation whose calibration is traceable to NIST standards. Measurements were made with CNMC Company electrometer Model 206 and Capintec Model PM30 (30cc) cylindrical ionization chamber. And in accordance with ANSI-N323 and as recommended by maufacturer.

Calibrated By: Andrew J McAleer

Radiology, Inc.
3448 US Route 60 • Huntington WV 25705 • Phone (304) 522-1550 • Fax (304) 522-0704

Facility:	MU Cardiology @ Cabell Huntington Hospital	Location:	Huntington, WV	Date:	1/21/2026

Test: Chi-Squared Statistical Reproducibility

Equipment Used	
Source:	Site QC Cs-137 Rod
Detector:	Caprac-t
S/N:	010408

Instrument Settings	
Detector	Well
Setting	Chi Square
Count Time	10 sec

Test	Counts
1	9742
2	9773
3	9956
4	9665
5	9932
6	9746
7	9731
8	9780
9	9807
10	9822
Average:	9795

Analysis	
Chi Squared Value:	7.3990
Probability Value:	0.5956

Predicted Chi Squared Range	
Low Value(95% prob)	3.325
High Value(5% prob)	16.919

Results	
Is Measured Chi-Squared Value Acceptable?	**Yes**

Test: Auto Cal

Gain	45.17		Eu-152 Linearity	6.1	%
Zero	5		FWHM	10.33	%
High Voltage	700	V			

Tested and Reviewed by: James Norweck, MS, DABR, FACR, RSO

Certificate of Instrument Detection Efficiency

for

Marshall University Cardiology at Cabell Huntington Hospital
Huntington, WV

July 18, 2024

Instrument: Capintec Caprac-t Well Counter Serial Number: 010408

Source	Activity		Calibration Date	Instrument Setting	Net CPM	Conversion Factor	Detection Efficiency
Cs-137	0.4919	µCi	4/15/2008	General, Wide window (0-2000), with well "cap", 20 seconds	211717	3.02	33.1%
Co-57	1.016	µCi	3/1/2024		1409506	1.18	84.4%
Ba-133	0.5092	µCi	4/15/2008		358069	1.24	80.7%

MDA = 3.89768E-05 µCi
86.53 dpm
for Co-57/Tc-99m

Calibration Standard	Clinical Isotope
Cs-137	F-18
Co-57	Tc-99m
Ba-133	I-131

Results: **These results are within acceptable limits.**

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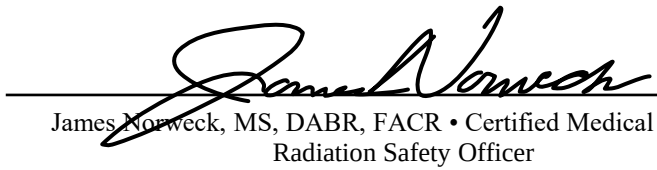

James Norweck, MS, DABR, FACR • Certified Medical Physicist
Radiation Safety Officer