



**Charleston Area  
Medical Center**

*Branch 1  
03009164*

NUCLEAR PHARMACY

3200 MacCorkle Ave. SE  
Charleston, WV 25304  
(304) 388-9295  
Pharmacy (304) 388-9701  
Fax: (304) 388-8922

09/6/2012

U.S. NRC Region I DNMS  
2100 Renaissance Blvd.  
King of Prussia, PA 19406

Att: Lester Tripp

Re: Amendment request License #47-15473-01

Mr. Tripp,

Please amend the above referenced license as follows:

1. Under Item 10 A please change the facility name located at 3200 MacCorkle Avenue, S.E., Charleston WV 25304 from Memorial Division to **CAMC Memorial Hospital**.
2. Under Item 10 B please change the facility name located at 501 Morris Street, Charleston, WV from General Division to **CAMC General Hospital**.
3. Under Item 10 B please change the facility name at 800 Pennsylvania Avenue, Charleston, WV form Women & Children's Division to **CAMC Women & Children's Hospital**.
4. Under Item 10 C please change the facility name located at 3416 MacCorkle Avenue, S.E., Charleston, WV from CAMC Outpatient Imaging Center to **CAMC Kanawha City Imaging Ctr (PET/CT)**.
5. a. Please add the following NRC licensed location to Item 10 of the above referenced license where licensed material may be used or stored.

**NRC license #47-25610-01** (see attached)  
Charleston Area Medical Center Imaging Center - Southridge  
60 RHL Boulevard  
South Charleston, WV 25309

- b. Please update the name of this location to **CAMC Southridge Imaging Center**
- c. Please add George B. Wilson, M.D. and Thomas J. Zekan, M.D. to NRC license #47-15473-01 as authorized users.

REC RG 1 SEP 17 12 PM 10 13

*579156*

**NMSS/RGNI MATERIALS-002**

6. a. Please add the following NRC licensed location to Item 10 of the above referenced license where licensed material may be used or stored.

**NRC license #47-25604-01** (see attached)  
Charleston Area Medical Center (CAMC) Cardiac Imaging Center  
2930 Chesterfield Avenue  
Charleston, West Virginia 25304

- b. Please update the name of this location to **CAMC Associated Cardiology**

7. a. Please add the following NRC licensed location to Item 10 of the above referenced license where licensed material may be used or stored.

**NRC license #47-25442-01** (see attached)  
Charleston Area Medical Center CAMC Cardiac Imaging  
2335 Chesterfield Avenue  
Charleston, West Virginia 25304

- b. Please update the name of this location to **CAMC Charleston Heart Specialists**

8. The Radiation Safety Officer for all locations of this license is Steven A. Artz, M.D.

9. Please update the corporate organizational chart. See attached

If there are any questions regarding this amendment please feel free to contact me at the telephone numbers provided below or you may e-mail your questions to me at [kim.lowe@camc.org](mailto:kim.lowe@camc.org) .

Sincerely,



**Kim Lowe, Pharm.D., BCNP, Assistant RSO**  
Charleston Area Medical Center  
3200 MacCorkle Avenue, SE  
Charleston, WV 25304  
(304) 388-9295 office  
(304) 549-0147 mobile



**Christine Oskin, MBA, RT**  
Corporate Director  
Medical Imaging Services  
Charleston Area Medical Center  
3200 MacCorkle Avenue, SE  
Charleston, WV 25304

NRC FORM 374

PAGE 1 OF 2 PAGES  
Amendment No. 2

U.S. NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee

1. Charleston Area Medical Center  
Imaging Center - Southridge

2. 60 RHL Boulevard  
South Charleston, West Virginia 25309

In accordance with the letter dated  
December 14, 2010,

3. License number 47-25610-01 is amended in  
its entirety to read as follows:

4. Expiration date November 30, 2012

5. Docket No. 030-36152  
Reference No.

Byproduct, source, and/or special  
nuclear material

- A. Any byproduct material permitted by 10 CFR 35.100
- B. Any byproduct material permitted by 10 CFR 35.200
- C. Any byproduct material permitted by 10 CFR 35.300

7. Chemical and/or physical form

- A. Any
- B. Any
- C. Any

8. Maximum amount that licensee may  
possess at any one time under this  
license

- A. As needed
- B. As needed
- C. 1000 millicuries

9. Authorized use:

- A. Any uptake, dilution and excretion study permitted by 10 CFR 35.100.
- B. Any imaging and localization study permitted by 10 CFR 35.200.
- C. Any diagnostic study or therapy procedure permitted by 10 CFR 35.300, for which the patient can be released under the provisions of 10 CFR 35.75.

CONDITIONS

10. Licensed material may be used or stored only at the licensee's facilities located at 60 RHL Boulevard, South Charleston, West Virginia.

11. The Radiation Safety Officer for this license is George B. Wilson, M.D.

Licensed material is only authorized for use by, or under the supervision of:

- A. Individuals permitted to work as an authorized user in accordance with 10 CFR 35.13 and 35.14.

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PAGE 2 OF 2 PAGES

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
47-25610-01

Docket or Reference Number  
030-36152

Amendment No. 2

B. The following individuals are authorized users for medical use as indicated:

Authorized Users

Material and Use

George B. Wilson, M.D.

35.100; 35.200; 35.300

Thomas J. Zekan, M.D.

35.100; 35.200; oral administration of sodium iodide iodine-131

- 13. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.
- 14. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
- 15. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. Additionally, this license condition does not limit the licensee's ability to make changes to the radiation protection program as provided for in 10 CFR 35.26. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Application dated October 22 2002 [ML023380190]
- B. Letter received November 25 2002 [ML023380165]
- C. Letter dated December 14, 2010 [ML110070270]
- D. Letter dated March 16, 2011 [ML110800433]
- E. Letter dated April 4, 2011 [ML110950033]

For the U.S. Nuclear Regulatory Commission

Date April 5, 2011

By Janice Nguyen

Janice Nguyen  
Medical Branch  
Division of Nuclear Materials Safety  
Region I  
King of Prussia, Pennsylvania 19406

Tuesday, April 5, 2011 15:16:29

**MATERIALS LICENSE**

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

*Associated*

<p>Licensee</p> <p>1. Charleston Area Medical Center (CAMC) Cardiac Imaging Center</p> <p>2. 2930 Chesterfield Avenue Charleston, West Virginia 25304</p>	<p>In accordance with the letter dated September 5, 2011,</p> <p>3. License number 47-25604-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date October 31, 2012</p> <hr/> <p>5. Docket No. 03036082 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material permitted by 10 CFR 35.100</p> <p>B. Any byproduct material permitted by 10 CFR 35.200</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. As needed</p> <p>B. As needed</p>
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9. Authorized use:
- A. Any uptake, dilution and excretion study permitted by 10 CFR 35.100.
- B. Any imaging and localization study permitted by 10 CFR 35.200.

**CONDITIONS**

10. Licensed material may be used or stored only at the licensee's facilities located at 2930 Chesterfield Avenue, Charleston, West Virginia.
11. The Radiation Safety Officer for this license is John L. Goad, M.D.
12. Licensed material is only authorized for use by, or under the supervision of:
- A. Individuals permitted to work as an authorized user in accordance with 10 CFR 35.13 and 35.14.
- B. The following individuals are authorized users for medical use as indicated:

<u>Authorized Users</u>	<u>Material and Use</u>
John L. Goad, M.D.	35.100; 35.200

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
47-25604-01

Docket or Reference Number  
03036082

Amendment No. 5

Authorized Users

Material and Use

Donald Lilly, M.D.

35.200

Steven L. McCormick, M.D.

35.200

13. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.
14. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
15. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. Additionally, this license condition does not limit the licensee's ability to make changes to the radiation protection program as provided for in 10 CFR 35.26. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Application dated August 1, 2002 [ML022140020]
- B. Letter dated September 13, 2002 [ML022770218]
- C. Letter dated November 15, 2002 [ML023250510]
- D. Letter dated June 13, 2005 [ML051740249]
- E. Letter dated September 5, 2011 [ML112710168]

For the U.S. Nuclear Regulatory Commission

*Original signed by Tara L. Weidner*

Date October 31, 2011

By

Tara L. Weidner  
Medical Branch  
Division of Nuclear Materials Safety  
Region I  
King of Prussia, Pennsylvania 19406

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PAGE 1 OF 3 PAGES  
Amendment No. 17

## U.S. NUCLEAR REGULATORY COMMISSION

## MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

*Charleston Heart*

Licensee

In accordance with the letter dated  
February 23, 2012,3. License number 47-25442-01 is amended in  
its entirety to read as follows:

4. Expiration date July 31, 2018

5. Docket No. 030-34783  
Reference No.1. Charleston Area Medical Center  
CAMC Cardiac Imaging2. 2335 Chesterfield Avenue  
Suite 201  
Charleston, West Virginia 253046. Byproduct, source, and/or special  
nuclear material

- A. Any byproduct material  
permitted by 10 CFR 35.100  
B. Any byproduct material  
permitted by 10 CFR 35.200

7. Chemical and/or physical form

- A. Any  
B. Any

8. Maximum amount that licensee may  
possess at any one time under this  
license

- A. As needed  
B. As needed

9. Authorized use:

- A. Any uptake, dilution and excretion study permitted by 10 CFR 35.100.  
B. Any imaging and localization study permitted by 10 CFR 35.200.

## CONDITIONS

10. Licensed material may be used or stored only at the licensee's facilities located at 2335 Chesterfield Avenue, Suite 201, Charleston, West Virginia.
11. Licensed material is only authorized for use by, or under the supervision of:
- A. Individuals permitted to work as an authorized user in accordance with 10 CFR 35.13 and 35.14.

NRC FORM 374A

PAGE 2 or 3 PAGES

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
47-25442-01

Docket or Reference Number  
030-34783

Amendment No. 17

B. The following individuals are authorized users for medical use as indicated:

<u>Authorized Users</u>	<u>Material and Use</u>
Steven A. Artz, M. D.	35.100, 35.200
Dilip K. Basu, M. D.	35.200
Ramakrishnan S. Iyer, M. D.	35.100, 35.200
Marciano B. Lee, M. D.	35.200
Muhammad S. Mian, M. D.	35.200
Christopher Schlarb, M. D.	35.100, 35.200
John Willis, M. D.	35.100, 35.200

12. The Radiation Safety Officer for this license is Dilip K. Basu, M. D.
13. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.
14. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."



NRC FORM 374A

PAGE 3 or 3 PAGES

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

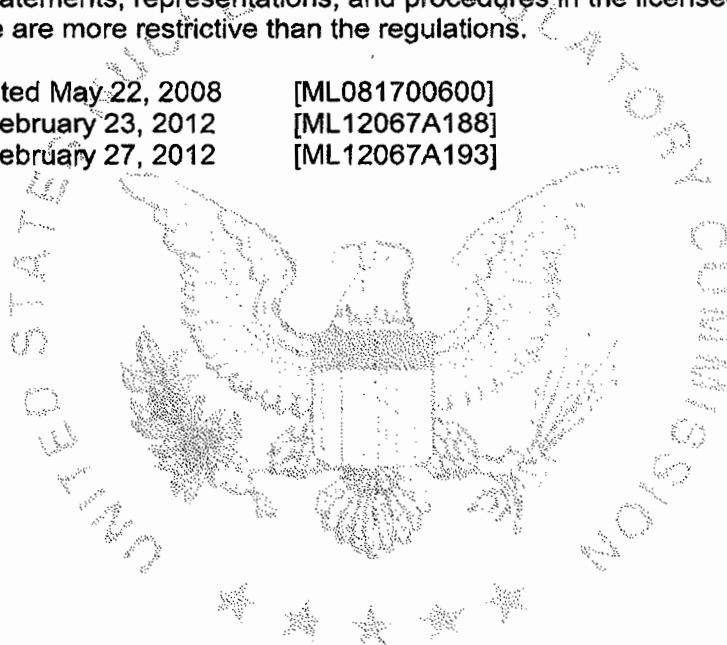
License Number  
47-25442-01

Docket or Reference Number  
030-34783

Amendment No. 17

15. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. Additionally, this license condition does not limit the licensee's ability to make changes to the radiation protection program as provided for in 10 CFR 35.26. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Application dated May 22, 2008 [ML081700600]  
 B. Letter dated February 23, 2012 [ML12067A188]  
 C. Letter dated February 27, 2012 [ML12067A193]



For the U.S. Nuclear Regulatory Commission

Date April 30, 2012

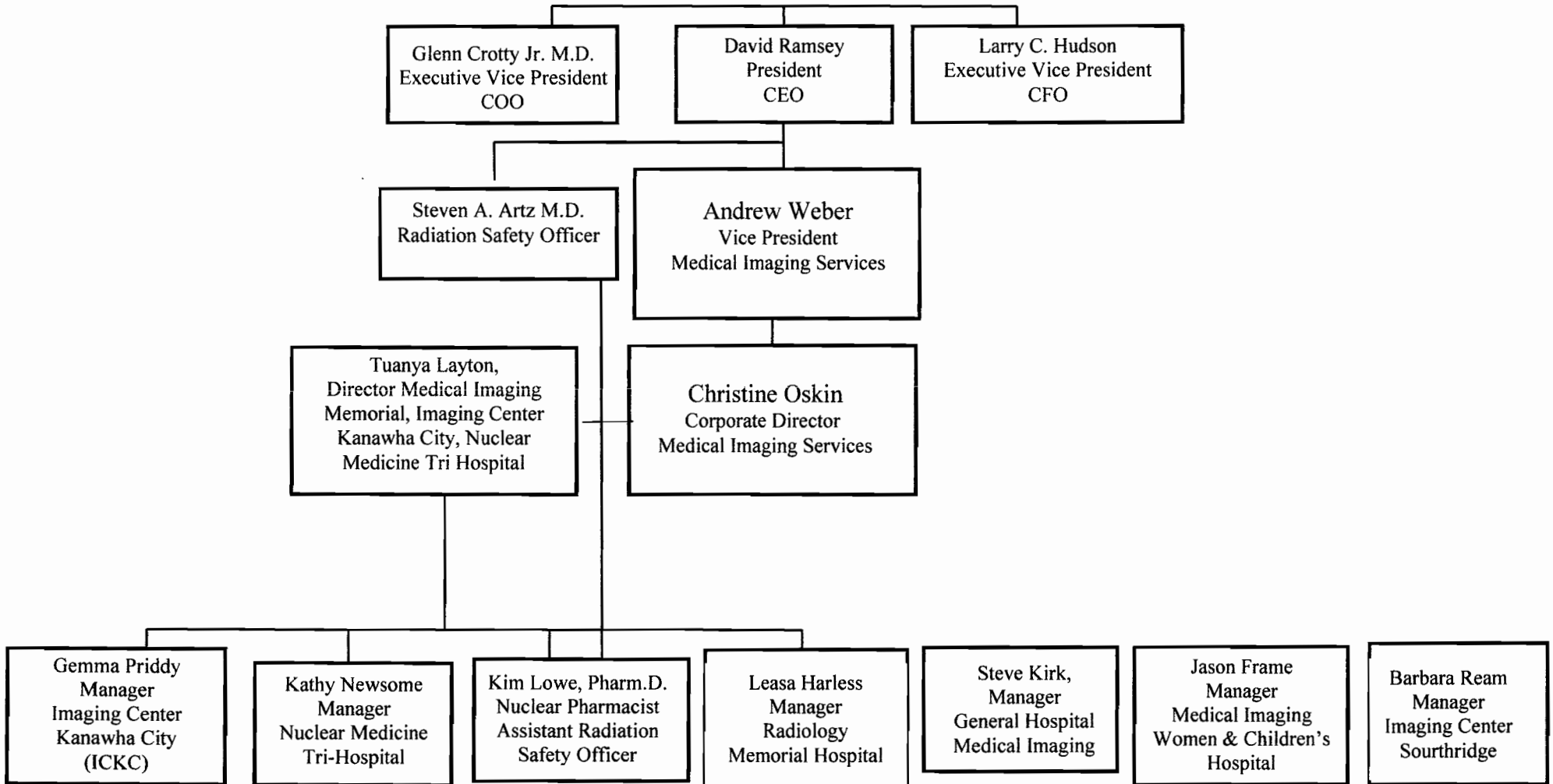
By

*Jarice Nguyen*  
 Jarice Nguyen  
 Medical Branch  
 Division of Nuclear Materials Safety  
 Region I

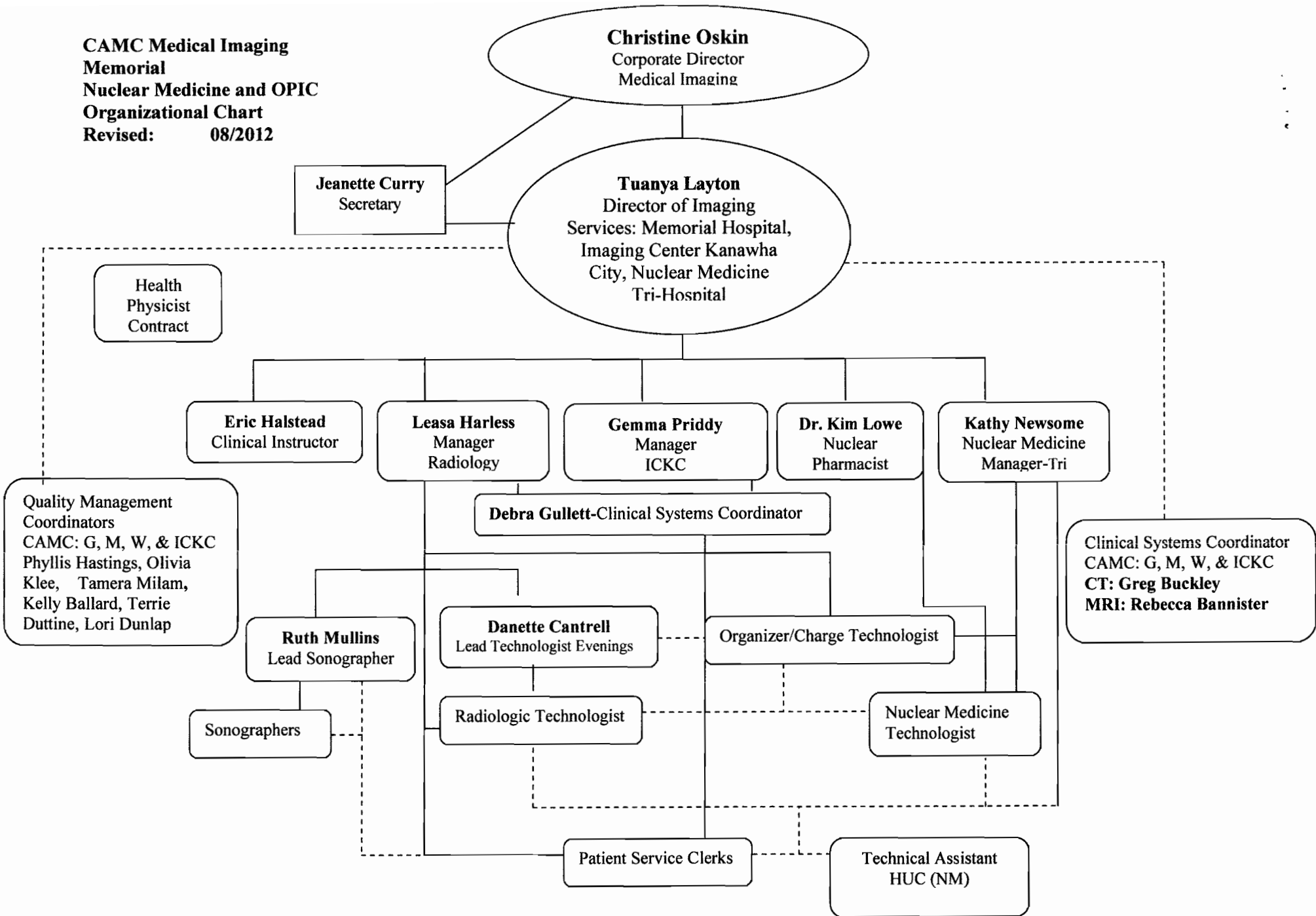
Monday, April 30, 2012 15:46:03

**CHARLESTON AREA MEDICAL CENTER  
 MEDICAL IMAGING  
 SECTION: Administration  
 ORGANIZATIONAL CHART**

**Policy: AD 3  
 Original: 12/1996  
 Reviewed: 01/2011  
 Revised: 08/2012**



**CAMC Medical Imaging  
Memorial  
Nuclear Medicine and OPIC  
Organizational Chart  
Revised: 08/2012**



This is to acknowledge the receipt of your letter/application dated

9-6-2012, and to inform you that the initial processing which includes an administrative review has been performed.

*Amendment (47-15473-01)*  
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

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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** 579156.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.