



UNITED STATES  
**NUCLEAR REGULATORY COMMISSION**  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

June 28, 2006

Docket No. 03018982  
Control No. 138960

License No. 47-15473-02MD

George A. Farris  
Administrator  
Charleston Area Medical Center  
P.O. Box 1547  
Charleston, WV 25326

SUBJECT: CHARLESTON AREA MEDICAL CENTER, LICENSE AMENDMENT, CONTROL  
NO. 138960

Dear Mr. Farris:

This refers to your license amendment request. Enclosed with this letter is the amended license.

In the future, please ensure a member of management requests changes to the license.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5239, so that we can provide appropriate corrections and answers.

An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c)(14).

Current NRC regulations and guidance are included on the NRC's website at [www.nrc.gov](http://www.nrc.gov); select **Nuclear Materials; Medical, Academic, and Industrial Uses of Nuclear Material**; then **Toolkit Index Page**. Or you may obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-888-293-6498. The GPO is open from 7:00 a.m. to 8:00 p.m. EST, Monday through Friday (except Federal holidays).

Thank you for your cooperation.

Sincerely,

***Original signed by Elizabeth Ullrich***

Elizabeth Ullrich  
Senior Health Physicist  
Commercial and R&D Branch  
Division of Nuclear Materials Safety

Enclosure:  
Amendment No. 9

G. Farris  
Charleston Area Medical Center

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cc:  
Steven A. Artz, M.D., Radiation Safety Officer

G. Farris  
Charleston Area Medical Center

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**SUNSI Review Complete: DLawyer**

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DATE	06/28/2006		6/28/2006					

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**MATERIALS LICENSE****Amendment 09**

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.

<p>Licensee</p> <p>1. Charleston Area Medical Center</p> <p>2. P.O. Box 1547 Charleston, WV 25326</p>	<p>In accordance with letter dated May 30, 2006,</p> <p>3. License number 47-15473-02MD is amended in its entirety as follows:</p> <p>4. Expiration date June 30, 2012</p> <p>5. Docket No. 030-18982 Reference No.</p>	
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material with atomic numbers 1 through 83, except Molybdenum-99, Technetium-99m, Iodine-131, and Xenon-133</p> <p>B. Yttrium 90</p> <p>C. Molybdenum 99</p> <p>D. Technetium 99m</p> <p>E. Iodine 131</p> <p>F. Xenon 133</p> <p>G. Any byproduct material permitted by 10 CFR 31.11</p> <p>H. Any byproduct material</p> <p>I. Uranium (depleted in the isotope Uranium-235)</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p> <p>C. Any</p> <p>D. Any</p> <p>E. Any</p> <p>F. Any</p> <p>G. Prepackaged Kits</p> <p>H. Sealed sources</p> <p>I. Metal</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 100 millicuries per radionuclide and 1 curie total</p> <p>B. 500 millicuries</p> <p>C. 30 curies</p> <p>D. 30 curies</p> <p>E. 500 millicuries</p> <p>F. 600 millicuries</p> <p>G. 5 millicuries</p> <p>H. 100 millicuries</p> <p>I. 180 kilograms</p>

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number

47-15473-02MD

Docket or Reference Number

030-18982

Amendment No. 09

## 9. Authorized use:

- A. through F. Preparation and distribution of radioactive drugs and redistribution of used and unused molybdenum-99/technetium-99m generators to authorized recipients in accordance with 10 CFR 32.72. Preparation and distribution of radioactive drugs and radiochemicals, and redistribution of used and unused molybdenum-99/technetium-99m generators to authorized recipients for non-medical use. This authorization does not include Iodine-131 compounding.
- G. Redistribution to specific licensees or general licensees pursuant to 10 CFR 31.11 provided the packaging and labeling remain unchanged.
- H. Calibration and checking of the licensee's instruments.
- I. Shielding for molybdenum-99/technetium-99m generators.

## CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 3200 MacCorkle Avenue, SE, Charleston, West Virginia.
11. A. Licensed material shall be used by, or under the supervision of:
- 1) a pharmacist working or designated as an authorized nuclear pharmacist in accordance with 10 CFR 32.72(b)(2) and (3), or
  - 2) Authorized Nuclear Pharmacist: Kim David Lowe, Pharm. D.
- B. The Radiation Safety Officer for this license is Steven A. Artz, M.D.
12. 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) or 40.36(b) for establishing decommissioning financial assurance.
13. This license does not authorize distribution to persons exempt from licensing.
14. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or by an Agreement State.
- B. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or by an Agreement State prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.

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- C. Sealed sources need not be tested if they are in storage and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- D. The leak test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(b)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within 5 days of the date the leak test result is known with the appropriate U.S. Nuclear Regulatory Commission, Regional Office referenced in Appendix D of 10 CFR Part 20. The report shall specify the source involved, the test results, and corrective action taken.
- E. Tests for leakage and/or contamination shall be performed by the licensee or other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services. In addition, the licensee is authorized to collect leak test samples for analysis by persons specifically licensed by the Commission or an Agreement State to perform such services.
- F. Records of leak test results shall be kept in units of microcuries and shall be maintained for 5 years.
15. Sealed sources containing licensed material shall not be opened or sources removed from source holders by the licensee, except as specifically authorized.
16. The licensee shall conduct a physical inventory every six months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.
17. The licensee is authorized to hold radioactive material with a physical half-life of less than or equal to 120 days for decay-in-storage before disposal in ordinary trash, provided:
- A. Waste to be disposed of in this manner shall be held for decay a minimum of 10 half-lives.
- B. Before disposal as ordinary trash, the waste shall be surveyed at the container surface with the appropriate survey instrument set on its most sensitive scale and with no interposed shielding to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.

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- C. A record of each such disposal permitted under this License Condition shall be retained for three years. The record must include the date of disposal, the date on which the byproduct material was placed in storage, the radionuclides disposed, the survey instrument used, the background dose rate, the dose rate measured at the surface of each waste container, and the name of the individual who performed the disposal.
18. The licensee is authorized to transport licensed material only in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
19. 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. 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 December 26, 2001 [ML013620139]  
B. Letter dated March 5, 2002 [ML020670589]



For the U.S. Nuclear Regulatory Commission

Date June 28, 2006

By

***Original signed by Elizabeth Ullrich***

Elizabeth Ullrich  
Commercial and R&D Branch  
Division of Nuclear Materials Safety  
Region I  
King of Prussia, Pennsylvania 19406