U.S. NUCLEAR REGULATORY COMMISSION Amendment No. 42

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	In accordance with two letters dated **October 14, 2013**,
1. Poplar Bluff Regional Medical Center d/b/a Three Rivers Health Care, North 2. 2620 N. Westwood Boulevard Poplar Bluff, MO 63901	3. License number 24-16652-01 is amended in its entirety to read as follows: 4. Expiration date March 31, 2022 5. Docket No. 030-11417 Reference No.

6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Any byproduct material permitted by 10 CFR 35.100	A. Any	A. As needed
B. Any byproduct material permitted by 10 CFR 35.200	B. Any	B. As needed
C. Any byproduct material permitted by 10 CFR 35.300	C. Any	C. 800 millicuries
D. Cesium-137 permitted by 10 CFR 35.400	D. Sealed sources (AEA Technology Model CDC.T1)	D. 1000 millicuries
E. Iodine-125 permitted by 10 CFR 35.400	E. Sealed sources (Prostaseed Model I125SL; Bard Brachytherapy, Inc., Model STM 1251; and Theragenics Corporation Model I-Seed AgX100)	E. 500 millicuries
F. Palladium-103 permitted by 10 CFR 35.400	F. Sealed sources (North American Scientific Model IAPd-103A; and Theragenics Corporation Model Theraseed 200)	F. 500 millicuries
G. Any byproduct material permitted by 10 CFR 31.11	G. Prepackaged kits	G. 1 millicurie

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.

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C. Any diagnostic study or therapy procedure permitted by 10 CFR 35.300.

D. through F. Any manual brachytherapy procedure permitted by 10 CFR 35.400.

G. In vitro studies.

CONDITIONS

10. A. Licensed material described in Subitem Nos. 6.A. through 6.G. may be used at the licensee's facilities located at 2620 N. Westwood Boulevard, Poplar Bluff, Missouri.

B. Licensed material described in Subitem Nos. 6.A. through 6.C. and 6.E. through 6.G. may also be used at the licensee's facilities located at 3100 Oak Grove Road, Poplar Bluff, Missouri.

C. **Licensed material described in Subitem Nos. 6.A. through 6.B. may also be used at the licensee's facilities located at 3098 Oak Grove Road, Poplar Bluff, Missouri.**

11. Radiation Safety Officer: Jim Smith, M.S.

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:

Authorized Users	Material and Use
Subhash B. Gujarati, M.D.	10 CFR 35.300 limited to strontium-89 and samarium-153 and 35.400.
Rubina Mirza, M.D.	10 CFR 35.100 and 35.200.
Dean K. Rigby, M.D.	10 CFR 35.100 and 35.200.
Rajinder Moham Gulati, M.D.	10 CFR 35.100, 35.200 and 35.300.
Tom Buford Brumitt, D.O.	10 CFR 35.100, 35.200 and 35.300 (excluding oral administration of sodium iodide I-131 in quantities greater than 33 millicuries).
Emily Militzer, M.D.	10 CFR 35.400.
Girish Bhatt, M.D.	10 CFR 35.200.

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13. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

14. 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 September 29, 2011; and

B. Letters dated March 15, 2012, March 16, 2012 (two separate letters), August 27, 2012, October 29, 2012, April 15, 2013, and **October 14, 2013 (two separate letters)**.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date JAN 21 2014

By Toye L. Simmons

Toye L. Simmons
Materials Licensing Branch
Region III