

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, 37, 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. Mercy Hospital Joplin</p> <p>2. 100 Mercy Way Joplin, Missouri 64804</p>	<p>In accordance with letter dated February 12, 2016,</p> <p>3. License No. 24-01090-03 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration Date: December 31, 2023</p> <hr/> <p>5. Docket No. 030-12728 Reference No.</p>	
<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>C. Any byproduct material permitted by 10 CFR 35.300</p> <p>D. Iodine-125 permitted by 10 CFR 35.400</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p> <p>C. Any</p> <p>D. Sealed sources (Best Medical International Model 2300 Series; Medi-Physics Models 6711 & 6733; Syncor Model BT-125-I; IsoAid Model IAI-125A; North American Scientific, Inc. Model MED 3631; International Brachytherapy, Inc. Model 1251L; Bard Brachytherapy, Inc. Model STM 125I; and Core Oncology, Inc. Models I-125SL & I-125SH)</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> <p>C. 400 millicuries</p> <p>D. 800 millicuries</p>

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License No.
24-01090-03Docket or Reference No.
030-12728**Amendment No. 59**

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| E. Palladium-103 permitted by 10 CFR 35.400 | E. Sealed sources (Best Medical International Model 2300 Series; Theragenics Corp. Model 200; North American Scientific, Inc. Model MED 3633; and International Brachytherapy, Inc. Model 1031L) | E. 800 millicuries |
| F. Gold-198 permitted by 10 CFR 35.400 | F. Sealed sources (Best Medical International Model 81-02) | F. 500 millicuries |
| G. Cesium-131 permitted by 10 CFR 35.400 | G. Sealed sources (IsoRay Model CS-1 Lawrence CESERION Cs-131) | G. 5 curies |

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

CONDITIONS

- 10. **A. Licensed material may be used or stored at the licensee's facilities located at 100 Mercy Way, Joplin, Missouri.**
- 11. The Radiation Safety Officer (RSO) for this license is Samuel Rhoades, Ph.D.
- 12. Licensed material is only authorized for use by, or under the supervision of:
 - A. Individuals permitted to work as an authorized user accordance with 10 CFR 35.13 and 35.14.
 - B. The following individuals are authorized users for medical use as indicated:

Authorized User

Francis H. Corcoran, M.D.

Richard J. Price, M.D.

Material and Use

10 CFR 35.100 and 35.200.

10 CFR 35.100 and 35.200.

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SUPPLEMENTARY SHEET**

License No.

24-01090-03

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Amendment No. 59Authorized User

Steven J. Taggart, M.D.

Lance H. Borup, D.O.

Duane Eugene Myers, M.D.

Jose Maria Pacheco-Gil, M.D.

Jacob Andrew Sedrick, D.O.

Grzegorz Mariusz Szarnecki, M.D.

Material and Use

10 CFR 35.100, 35.200 and 35.300.

10 CFR 35.100, 35.200 and 35.300 (limited to oral administration of sodium iodide I-131 in quantities less than or equal to 33 millicuries).

10 CFR 35.300 and 35.400.

10 CFR 35.300.

10 CFR 35.100, 35.200 and 35.300 (limited to oral administration of sodium iodide I-131).

10 CFR 35.100 and 35.200.

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 October 1, 2013 (ML13281A935)
 - B. Letter received April 22, 2014 (ML14112A205)
 - C. Letter dated December 3, 2014 (ML14339A761)
 - D. Letter dated March 23, 2015 (ML15090A609)
 - E. Letter dated April 30, 2015 (ML15127A342)
 - F. Letter dated February 12, 2016 (ML16047A351)

FOR THE U. S. NUCLEAR REGULATORY COMMISSION

Date MAY 10 2016

By

Bryan A. Parker
Materials Licensing Branch
Region III