

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.

PC 02/20

315874

Licensee

In accordance with letter dated **November 22, 2007**,

1. Madison Medical Center

3. License number 24-32309-01 is amended in its entirety to read as follows:

2. 611 W. Main Street

4. Expiration date March 31, 2011

P.O. Box 431

Fredericktown, MO 63645

5. Docket No. 030-35673
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 ~~36.100~~

A. Any

A. As needed

B. Any byproduct material permitted by 10 CFR 35.200

B. Any

B. As needed

C. Iodine-131

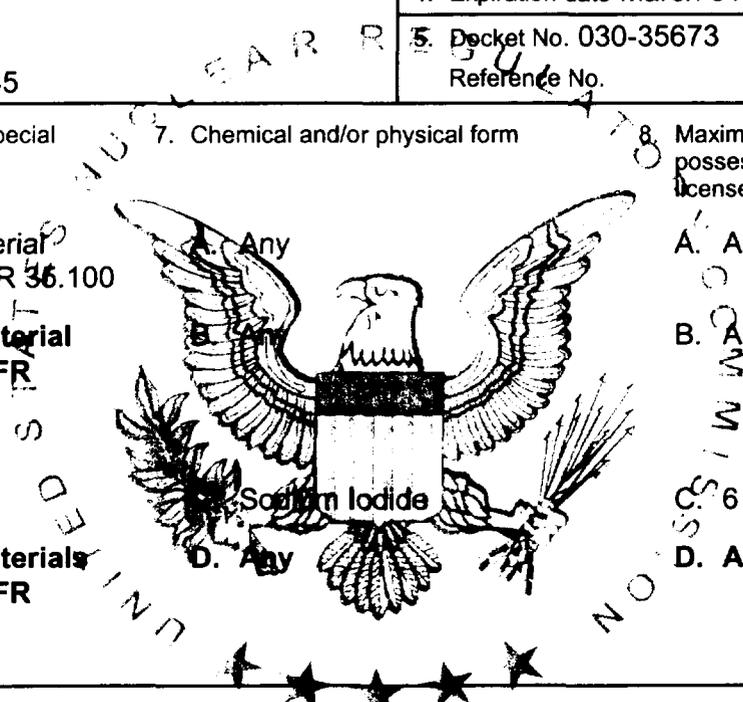
C. Sodium Iodide

C. 6 millicuries

D. Any byproduct materials permitted by 10 CFR 35.300

D. Any

D. 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.

C. Any sodium iodide-131 for imaging and localization studies that requires a written directive in accordance with 35.40.

D. Any radiopharmaceutical therapy procedure permitted by 10 CFR 35.300 (excluding iodine-131 for thyroid carcinoma).

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 611 W. Main Street, Fredericktown, Missouri.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
24-32309-01

Docket or Reference Number
030-35673

Amendment No. 03

- 11. The Radiation Safety Officer for this license is Raymond A. Murphy, D.O.
- 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 the materials and uses indicated:

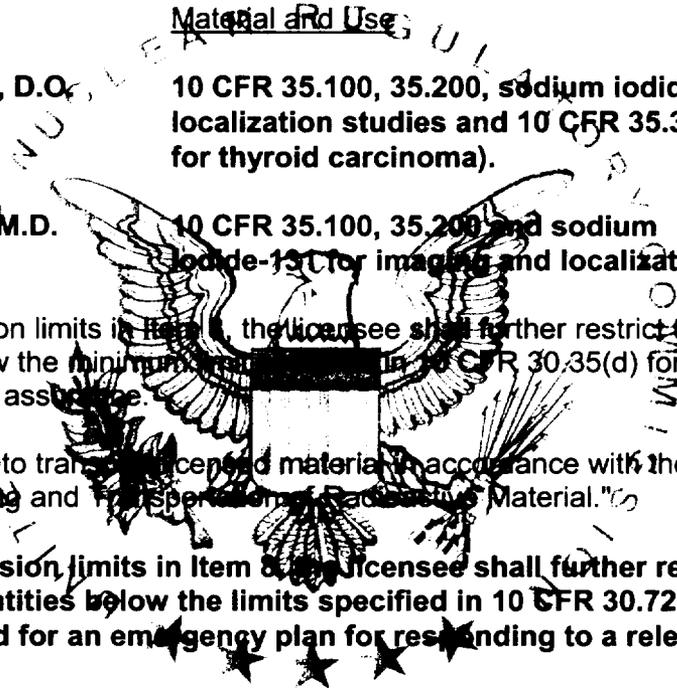
Authorized Users

Material and Use

Raymond A. Murphy, D.O., 10 CFR 35.100, 35.200, sodium iodide-131 for imaging and localization studies and 10 CFR 35.300 (excluding iodine-131 for thyroid carcinoma).

Barrett A. Schaefer, M.D. 10 CFR 35.100, 35.200 and sodium iodide-131 for imaging and localization studies.

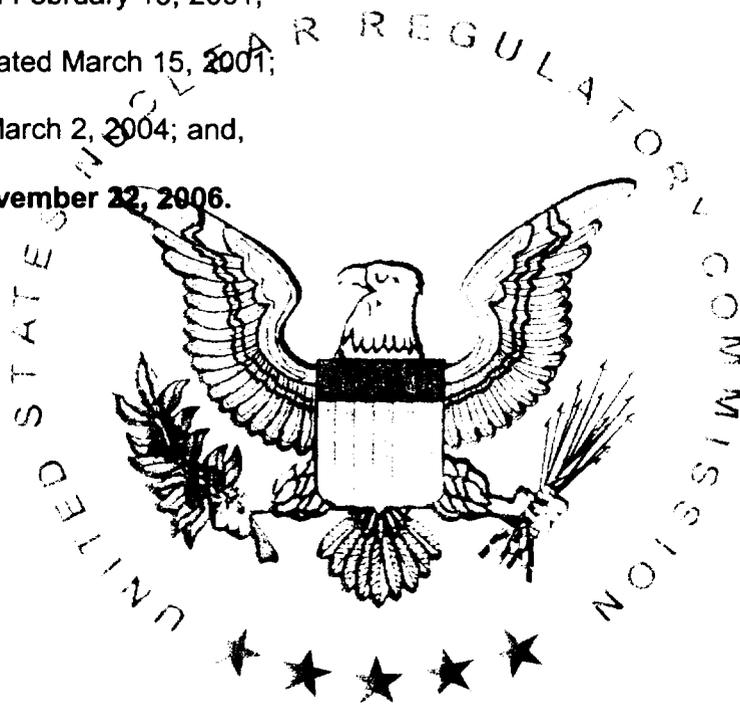
- 13. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.
- 14. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
- 15. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the limits specified in 10 CFR 30.72 which require consideration of the need for an emergency plan for responding to a release of licensed material.



**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
24-32309-01Docket or Reference Number
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Amendment No. 03

16. 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. 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 February 16, 2001;
 - B. Two facsimiles dated March 15, 2001;
 - C. Letter received March 2, 2004; and,
 - D. **Letter dated November 22, 2006.**



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date FEB 12 2007By Colleen Carol Casey
Colleen Carol Casey
Materials Licensing Branch
Region III