

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.

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| <p>Licensee</p> <ol style="list-style-type: none"> Mercy Health Services Warde Medical Laboratory 300 West Textile Road Ann Arbor, MI 48108 | <p>In accordance with the application dated August 24, 2011,</p> <ol style="list-style-type: none"> License number 21-24614-01 is renewed in its entirety to read as follows: Expiration date January 31, 2022 Docket No. 030-18680 Reference No. |
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| <p>6. Byproduct, source, and/or special nuclear material</p> <ol style="list-style-type: none"> Iodine-125 Iodine-125 | <p>7. Chemical and/or physical form</p> <ol style="list-style-type: none"> Prepackaged kits Sealed source (Reflex Industries Inc. model GC 5255) | <p>8. Maximum amount that licensee may possess at any one time under this license</p> <ol style="list-style-type: none"> 20 millicuries 10 microcuries |
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| <p>9. Authorized Use:</p> <ol style="list-style-type: none"> To be used for in-vitro laboratory studies. To be used for calibration of gamma counter. |
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CONDITIONS

- Licensed material shall be used only at the licensee's facilities located at 300 West Textile Road, Ann Arbor, Michigan.
- The Radiation Safety Officer for this license is Krista Ann Byberg.
- Licensed material shall be used by, or under the supervision of, Krista Ann Byberg.
- Licensed material shall not be used in or on human beings.
- 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:

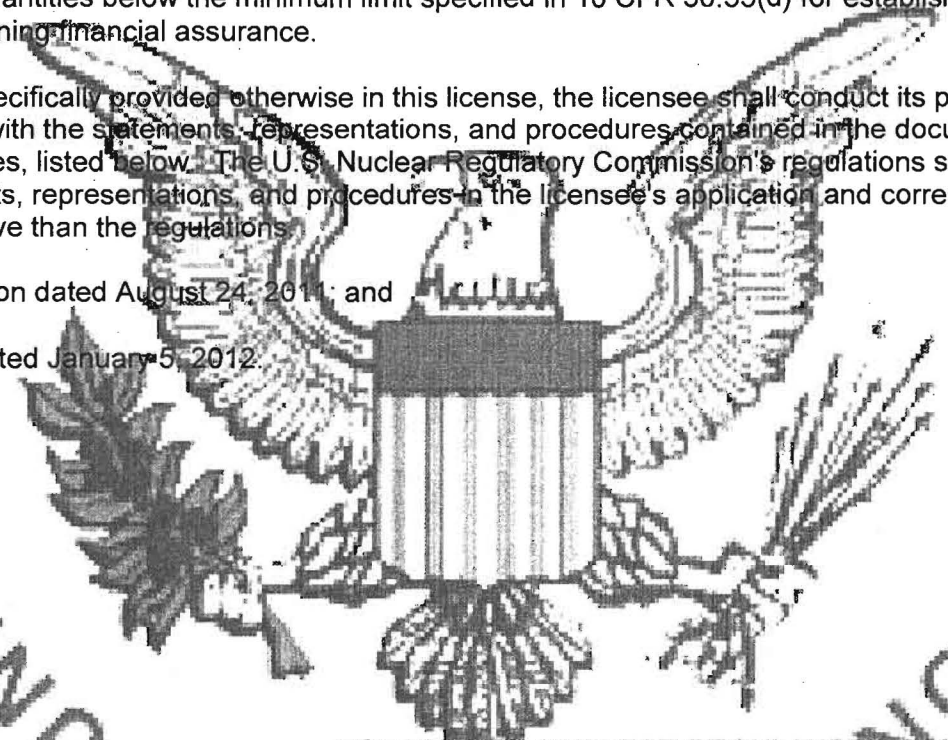
**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
21-24614-01

Docket or Reference Number
030-18680

Amendment No. 11

- A. Before disposal as ordinary trash, byproduct material shall be surveyed at the container surface with the appropriate survey meter 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.
- B. A record of each 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.
- 15. 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."
- 16. 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.
- 17. 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 August 24, 2011; and
 - B. Letter dated January 5, 2012.



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date JAN 26 2012

By *Toye L. Simmons*
 Toye L. Simmons
 Materials Licensing Branch
 Region III