

U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 52

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"> <li>1. McLaren Oakland</li> <li>2. 50 North Perry Street Pontiac, MI 48342</li> </ol>	<p>In accordance with letters dated <b>December 20, 2011</b></p> <ol style="list-style-type: none"> <li>3. License number 21-04081-03 is amended in its entirety to read as follows:</li> <li>4. Expiration date February 28, 2014</li> <li>5. Docket No. 030-02041 Reference No.</li> </ol>
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<p>6. Byproduct, source, and/or special nuclear material</p> <ol style="list-style-type: none"> <li>A. Any byproduct material permitted by 10 CFR 35.100</li> <li>B. Any byproduct material permitted by 10 CFR 35.200</li> <li>C. Any byproduct material permitted by 10 CFR 35.300</li> <li>D. Any byproduct material permitted by 10 CFR 35.400</li> </ol>	<p>7. Chemical and/or physical form</p> <ol style="list-style-type: none"> <li>A. Any</li> <li>B. Any</li> <li>C. Any</li> <li>D. Sealed sources (Best International, Inc. Models 2301 &amp; 2335; Medi-Physics, Inc. Models 6711 &amp; 6733; Theragenics Corp. Models 125.S06 &amp; 200; Bard Brachytherapy, Inc. Models STM 1251)</li> </ol>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <ol style="list-style-type: none"> <li>A. As needed</li> <li>B. As needed</li> <li>C. As needed (not to exceed 1 curie of iodine-131)</li> <li>D. Total possession not to exceed 600 millicuries of I-125 and 600 millicuries of Pd-103</li> </ol>
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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 (excluding iodine-131 for thyroid carcinoma therapy).
  - D. Any manual brachytherapy use permitted by 10 CFR 35.400.

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CONDITIONS

10. A. Licensed material shall be used only at the licensee's facilities located at 50 North Perry Street, Pontiac, Michigan.
- B. License material listed in Subitem 6.A., 6.B. and 6.C. may be used at McLaren Oakland Clarkston Radiology, 6670 Dixie Highway, Suite, 100, Clarkston, Michigan.
11. Radiation Safety Officer: Mahmood A. Khalid, M.D.
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:
- | <u>Authorized Users</u>     | <u>Material and Use</u>  |
|-----------------------------|--|
| Creagh E. Milford, D.O.     | 10 CFR 35.100 and 35.200.  |
| Adeel Khalid, M.D.          | 10 CFR 35.100 and 35.200.  |
| Anthony Kudirka, M.D.       | 10 CFR 35.100 and 35.200.  |
| Eli Edward Shapiro, M.D.    | 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. |
| Mahmood A. Khalid, M.D.     | 10 CFR 35.100, 35.200 and 10 CFR 35.300  |
| Christine Z Dickinson, M.D. | 10 CFR 35.100, 35.200 and 35.300.  |
| Arthur J. Frazier, M.D.     | 10 CFR 35.300 and 400.   |
| Stephen D. Franklin, M.D.   | 10 CFR 35.400.   |
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 limit 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."

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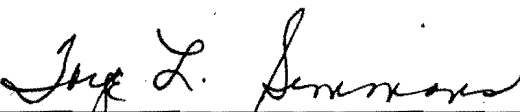
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15. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license 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 January 28, 2004; and
  - B. Letters dated September 21, 2010 excluding items 5 and 7a; January 31, 2011, February 1, 2011, and **December 20, 2011.**

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date JAN 26 2012

By



Toye E. Simmons  
Materials Licensing Branch  
Region III