NRC FORM 374

U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 50

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. MC 02120 57709/1

Licensee	In accordance with the letters dated **November 30, 2011, February 29, 2012, March 29, 2012, and May 15, 2012,**
1. **McLaren Northern Michigan**	3. License number 21-16732-01 is amended in its entirety to read as follows:
2. 416 Connable Avenue Petoskey, MI 49770	4. Expiration date January 31, 2014
	5. Docket No. 030-11715 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. As needed (not to exceed 1 curie of iodine-131)
D. Any byproduct material permitted by 10 CFR 35.400	D. Sealed sources (3M Model 6503, 6502; Amersham Model, J5, J4; Source Tech Medical Model STM 1251; Theragenics Theraseed 200m)	D. As needed for iodine-125; two curies for palladium-103; not to exceed 650 millicuries for cesium-137
E. Depleted Uranium	E. Stainless steel covered metal Cadmium plated metal	E. 999 kilograms
F. Any byproduct material permitted by 10 CFR 31.11	**F. Prepackaged Kits**	**F. 3 millicuries.**

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.

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

E. Shielding in a linear accelerator and in an ADAC Laboratories MCD-AC attenuation correction system.

F. In vitro studies.

CONDITIONS

10. A. Licensed material may be used at the licensee's facilities located at 416 Connable Avenue, Petoskey, Michigan, and

B. Licensed materials it subitems 6.A., 6.B., 6.C., and 6.F., may be used at the licensee's facilities located at 748 South Main Street, Cheboygan, Michigan.

11. The Radiation Safety Officer for this license is Daniel A. Dryden, 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
Michael A. Angileri, M.D.	10 CFR 35.100, 35.200 and 35.300.
Jonathan Scott Greene, D.O.	10 CFR 35.100, 35.200 and 35.300.
William K. Riordan, D.O.	10 CFR 35.100, 35.200 and 35.300.
Janice M. Schwinke, M.D.	10 CFR 35.100, 35.200 and 35.300. ,
Peter S. Armstrong, M.D.	10 CFR 35.400
Robert M. Prust, M.D.	10 CFR 35.300 and 35.400.
David Keith Heimburger, M.D.	10 CFR 35.300 and 35.400.
Doug Brown, M.D.	10 CFR 35.400.
William E. Henry, M.D., Ph.D.	10 CFR 35.100 and 35.200.
Anthony R. Pucci, D.O,	10 CFR 35.100 and 35.200.
Michael T. Sunday, M.D.	10 CFR 35.100, 35.200,35.300, and **10 CFR 31.11.**

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Ryan R. Hoenicke, M.D.	10 CFR 35.100, 35.200, 35.300 oral administration of sodium iodide I-131.
Stanely R. Smith, M.D.	10 CFR 35.200

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 may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

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 received September 24, 2003; and

    B. Letters dated March 10, 2005 (except close-out survey), May 3, 2005, August 1, 2005, **November 30, 2011, February 29, 2012, March 29, 2012, and May 15, 2012,**

    C. Facsimiles received July 20, 2005 (with attachments) and July 22, 2005 (with attachments); and

    D. Facsimiles dated October 19, 2005.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date MAY 31 2012

By William P. Reichhold
William P. Reichhold
Materials Licensing Branch
Region III