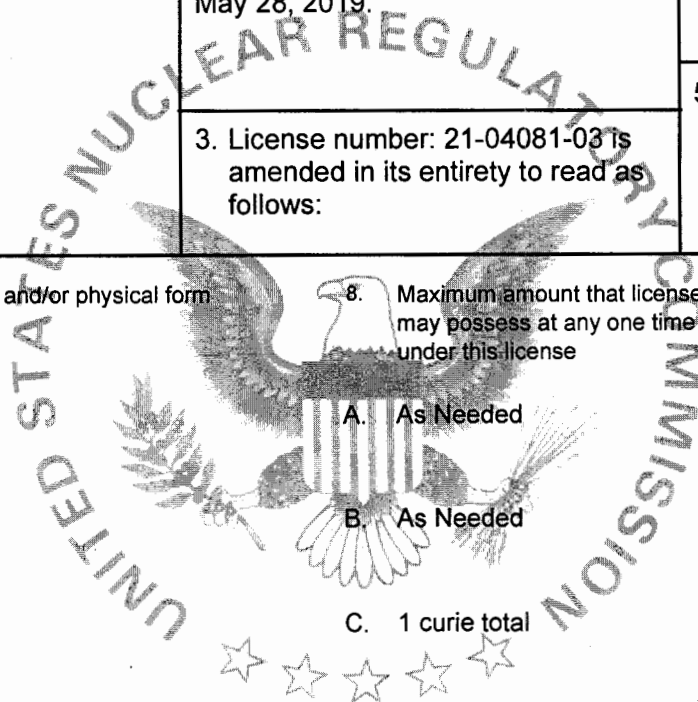


**MATERIALS LICENSE**

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, 70 and 71, 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. McLaren Oakland</p>	<p>In accordance with letter dated May 28, 2019.</p>	<p>4. Expiration Date: June 30, 2024</p>
<p>2. 50 N. Perry St. Pontiac, MI 48342</p>	<p>3. License number: 21-04081-03 is amended in its entirety to read as follows:</p>	<p>5. Docket No.: 030-02041 Reference No.:</p>

<p>6. Byproduct, source, and/or special nuclear material</p>	<p>7. Chemical and/or physical form</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p>	<p>9. Authorized use</p>
<p>A. Any byproduct material permitted by 10 CFR 35.100</p>	<p>A. Any</p>	<p>A. As Needed</p>	<p>A. For use in uptake, dilution and excretion studies permitted by 10 CFR 35.100.</p>
<p>B. Any byproduct material permitted by 10 CFR 35.200</p>	<p>B. Any</p>	<p>B. As Needed</p>	<p>B. For use in imaging and localization studies permitted by 10 CFR 35.200.</p>
<p>C. Any byproduct material permitted by 10 CFR 35.300</p>	<p>C. Any</p>	<p>C. 1 curie total</p>	<p>C. For any use permitted by 10 CFR 35.300.</p>



**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
21-04081-03

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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	9. Authorized use
D. Iodine-125 permitted by 10 CFR 35.400	D. Sealed Sources (Bard Brachytherapy, Inc., Model STM 1251; Best Medical International, Inc. (formerly Best Industries, Inc.), Model 2301; Medi-Physics, Inc. d/b/a GE Healthcare, Model 6733 (EchoSeed) and 6711 (OncoSeed); Theragenics Corporation, Model I-Seed 125.S06 and I-Seed AgX100)	D. 600 millicuries total	D. For any manual brachytherapy procedure permitted by 10 CFR 35.400.
E. Palladium-103 permitted by 10 CFR 35.400	E. Sealed Sources (Best Medical International, Inc. (formerly Best Industries, Inc.), Model 2335; Theragenics Corporation, Model TheraSeed 200)	E. 600 millicuries total	E. For any manual brachytherapy procedure permitted by 10 CFR 35.400.
F. Yttrium-90 permitted by 10 CFR 35.1000	F. Microspheres (Sirtex Wilmington LLC, Model Sirtex Medical Limited SIR-Spheres ® microspheres)	F. Not to exceed 189 millicuries per vial and 2 curies total	F. For medical use permitted by 10 CFR 35.1000 in Sirtex Medical Limited SIR-Spheres ® microspheres therapy delivery system.

**CONDITIONS**

10. A. Licensed material listed in Subitem Nos. 6.A. through 6.E. may be used at the licensee's facilities located at 50 N. Perry St., Pontiac, Michigan, 48058.
- B. Licensed material listed in Subitem Nos. 6.A. through 6.C. may be used or stored at the licensee's facilities located at McLaren Diagnostic Imaging, 5701 Bow Pointe Dr., Clarkson, Michigan, 48346.
11. The Radiation Safety Officer (RSO) for this license is Kenneth P. Tarr, D.O.

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12. Licensed material shall only be used by, or under the supervision of:

A. Individuals permitted to work as authorized users in accordance with 10 CFR 35.13 and 10 CFR 35.14.

B. The following individuals are authorized users for the material and medical uses as indicated:

Authorized User(M.D.,D.O.,etc.)

Kevin R. Carter, D.O.

Stephen D. Franklin, M.D.

Arthur J. Frazier, M.D.

Mohamed Jaber, M.D.

Adam R. Schwaderer, D.O.

Kenneth P. Tarr, D.O.

Material and Use

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

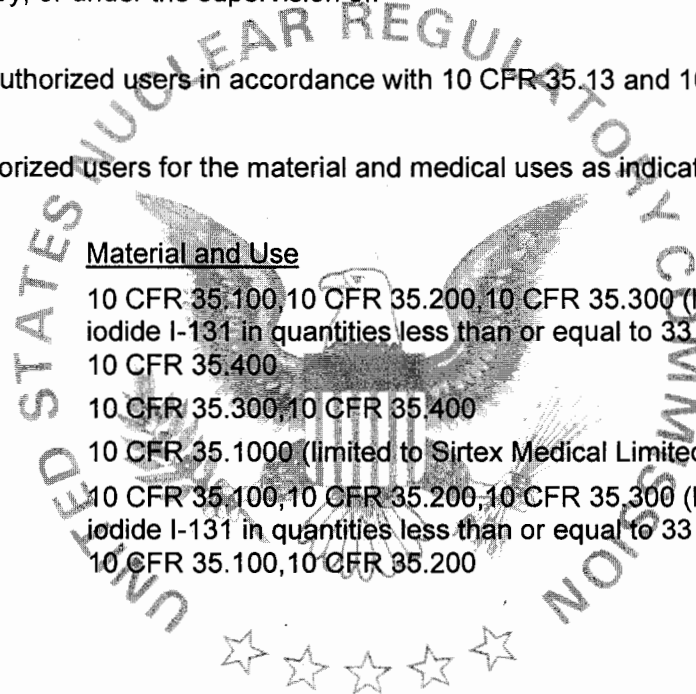
10 CFR 35.400

10 CFR 35.300, 10 CFR 35.400

10 CFR 35.1000 (limited to Sirtex Medical Limited SIR-Spheres ® microspheres)

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

10 CFR 35.100, 10 CFR 35.200



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13. 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 16, 2014 (ML14021A094)
- B. Letter dated June 27, 2016 (ML16183A331)
- C. Letter dated August 19, 2016 (ML16242A198)
- D. Letter dated July 11, 2017 (ML17195A051)
- E. Letter dated August 14, 2017 (ML17233A023)
- F. Letter dated August 29, 2017 (ML17248A232)
- G. Letter dated September 13, 2017 (ML17269A050)



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- H. Letter dated October 10, 2017 (ML17284A209)
- I. Letter dated November 2, 2017 (ML17310A569)
- J. Letter dated March 14, 2018 (ML18075A260)
- K. Letter dated May 10, 2018 (ML18134A212)
- L. Letter dated May 28, 2019 (ML19182A111)



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: SEP 27 2019By: Bryan A. Parker  
Region III