

**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.

Licensee

In accordance with letter dated

**May 11, 2012,**

- 1. Sentinel Imaging, LLC
- 2. 36745 Dequindre Road  
Troy, MI 48083

3. License number 21-32756-01 is amended in its entirety as follows:

4. Expiration date August 31, 2019

5. Docket No. 030-38088  
Reference No.

- |  |   |   |
|--|---|---|
| <p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material permitted by 10 CFR 35.100</p> <p>B. Any byproduct material permitted by 10 CFR 35.200</p> | <p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p> | <p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. As needed</p> <p>B. As needed</p> |
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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.

CONDITIONS

10. Licensed material may be stored at the licensee's facilities located at 36745 Dequindre Road, Troy, Michigan and may be used at temporary job sites of the licensee anywhere in the United States where the U. S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.

If the jurisdiction status of a Federal facility within an Agreement State is unknown, the licensee should contact the Federal agency controlling the job site in question to determine whether the proposed job site is an area of exclusive Federal jurisdiction. Authorization for use of radioactive materials at job sites in Agreement States not under exclusive Federal jurisdiction shall be obtained from the appropriate State regulatory agency.

- 11. The Radiation Safety Officer for this license is Alton Garfield Smith, M.D.
- 12. Licensed material is only authorized for use by, or under the supervision of Alton Garfield Smith, M.D.

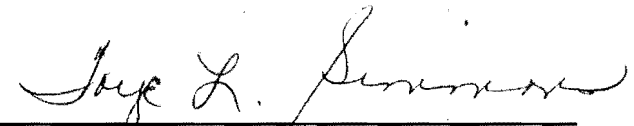
**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
21-32756-01Docket or Reference Number  
030-38088**Amendment No. 02**

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."
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 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 July 10, 2009 and July 30, 2010;
- B. Facsimiles dated June 11, 2010; and
- C. **Letters dated May 11, 2012 and June 29, 2012.**

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date JUL 30 2012

By

  
Toy L. Simmons  
Materials Licensing Branch  
Region III