

**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, 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.

<p>Licensee</p> <p>1. Niowave, Inc.</p> <p>2. 1012 N. Walnut Street Lansing, MI 48906-5061</p>	<p>In accordance with letter dated <b>January 19, 2016,</b></p> <p>3. License number 21-35145-01 is amended in its entirety to read as follows:</p> <p>4. Expiration date July 31, 2024</p> <p>5. Docket No. 040-38369 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Natural Uranium</p> <p>B. Thorium-232</p> <p>C. Depleted Uranium</p>	<p>7. Chemical and/or physical form</p> <p>A. Solid</p> <p>B. Solid</p> <p>C. Solid</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 322 millicuries</p> <p>B. 50 millicuries</p> <p>C. 1.13 curies</p>
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9. Authorized use:
- A. through C. (1) Research and development as defined by 10 CFR 30.4.
  - (2) Fabrication (to include cutting and machining) of source material for the manufacturer of shielding and accelerator parts.
  - (3) Distribution of shielding and manufactured accelerator parts to persons authorized by the U.S. Nuclear Regulatory Commission or an Agreement State license to receive the material.

CONDITIONS

- 10. Licensed material shall be used only at the licensee's facilities located at 1012 N. Walnut Street, Lansing, Michigan.
- 11. The Radiation Safety Officer for this license is **Valeriia Starovoitova, Ph.D.**
- 12. Licensed material shall be used by, or under the supervision of: Terry Grimm, Ph.D., Valeriia Starovoitova, Ph.D. and Erik Maddock.
- 13. This license does not authorize distribution, pursuant to 10 CFR 40.13 and/or 40.22, to persons exempt from licensing or to general licensees.

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SUPPLEMENTARY SHEET**License Number  
21-35145-01Docket or Reference Number  
040-38369

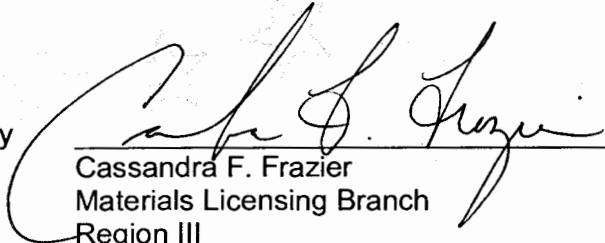
Amendment No. 03

14. The licensee shall conduct a physical inventory every six months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license.
15. License material shall not be used in or on human beings.
16. The licensee shall not use licensed material in field applications where activity is released.
17. 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."
18. 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 March 28, 2014 (ML14091A385)
  - B. Letters dated June 19, 2014 (ML14174B304)
  - C. Letter dated August 6, 2014 (ML14224A463)
  - D. Letter dated October 6, 2014 (ML14282A648)
  - E. Letter dated February 17, 2015 (ML15049A162)
  - F. Letter dated February 23, 2015 (ML15055A395)
  - G. Letter dated **March 23, 2016 (RSO's Delegation of Authority)** (ML16089A477)

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date APR 21 2016

By

  
Cassandra F. Frazier  
Materials Licensing Branch  
Region III