

**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.

<b>Licensee</b>  1. Niowave, Inc.  2. 1012 N. Walnut St. Lansing, MI 48906-5061	<b>In accordance with application dated September 28, 2018.</b>	<b>4. Expiration Date:</b> July 31, 2024
	<b>3. License number:</b> 21-35145-01 is amended in its entirety to read as follows:	<b>5. Docket No.:</b> 040-38369 <b>Reference No.:</b>
<b>6. Byproduct, source, and/or special nuclear material</b>  A. Uranium- depleted in Uranium-235	<b>7. Chemical and/or physical form</b>  A. Solid	<b>8. Maximum amount that licensee may possess at any one time under this license</b>  A. 3 curies total  <b>9. Authorized use</b>  A. Research and development as defined by 10 CFR 30.4. Fabrication (to include cutting and machining) of source material for the manufacturer of shielding and accelerator parts. Distribution of shielding and manufactured accelerator parts to persons authorized by the Nuclear Regulatory Commission or an Agreement State license to receive the material.

**CONDITIONS**

10. Licensed material may be used or stored only at the licensee's facilities located at: 1012 N. Walnut Street, Lansing, Michigan, 48906

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Amendment No. 5

Docket or Reference Number  
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11. The Radiation Safety Officer (RSO) for this license is William Peters, Ph.D.
12. Licensed material shall only be used by, or under the supervision of.
- | <u>Authorized Users</u>      | <u>Material and Use</u> |
|------------------------------|-------------------------|
| Terry Grimm, Ph.D.           | DU                      |
| William Peters, Ph.D.        | DU                      |
| Valeriia Starovoitova, Ph.D. | DU                      |
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.
14. The licensee shall conduct a physical inventory every 6 months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sealed sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 3 years from the date of each inventory, and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.
15. The licensee shall not use the licensed material in or on humans.
16. The licensee shall not use licensed material in field applications where activity is released.

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17. 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. 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. Letter 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)
  - H. Letter dated January 20, 2017 (ML17027A200)
  - I. Application dated September 28, 2018 (ML18274A261)

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: December 19, 2018By: Frank P. D. Tran  
Region 3