

**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.

<p style="text-align: center;">Licensee</p> <p>1. Vermont Department of Health Division of Health Surveillance Public Health Laboratory</p> <p>2. 195 Colchester Avenue Burlington, Vermont 05401</p>	<p>In accordance with the application dated August 13, 2014,</p> <p>3. License number 44-11382-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date September 30, 2024</p> <hr/> <p>5. Docket No. 030-06501 Reference No.</p>
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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 |
| A. Any byproduct material with atomic numbers 1 through 96 | A. Any                           | A. 10 millicuries total  |

9. Authorized use:

- A. Laboratory analysis of environmental samples and calibration of analytical instruments.

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**CONDITIONS**  
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10. Licensed material may be used and stored only at the licensee's facilities located at 195 Colchester Avenue, Burlington, Vermont.
11. A. Licensed material shall be used by, or under the supervision of, William George Mills, Cecylia M. Karch, or Jessica M. Eisenhauer.
- B. The Radiation Safety Officer for this license is Cecylia M. Karch.
12. 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), 40.36(b), and 70.25(d) for establishing decommissioning financial assurance.
13. Licensed material shall not be used in or on human beings.
14. The licensee shall not use licensed material in field applications where activity is released except as provided otherwise by specific condition of this license.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
44-11382-01

Docket or Reference Number  
030-06501

Amendment No. 16

15. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
16. The licensee is authorized to hold byproduct material with a physical half-life of less than or equal to 120 days for decay-in-storage before disposal without regard to its radioactivity if the licensee:
- A. Monitors byproduct material at the surface before disposal and determines that its radioactivity cannot be distinguished from the background radiation level with an appropriate radiation detection survey meter set on its most sensitive scale and with no interposed shielding; and
  - B. Removes or obliterates all radiation labels, except for radiation labels on materials that are within containers and that will be managed as biomedical waste after they have been released from the licensee; and
  - C. Maintains records of the disposal of licensed materials for 3 years. The record must include the date of disposal, the survey instrument used, the background radiation level, the radiation level measured at the surface of each waste container, and the name of the individual who performed the disposal.
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. 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 August 13, 2014 (ML14238A593)
  - B. Letter dated September 12, 2014

For the U.S. Nuclear Regulatory Commission

***Original signed by John Miller***

Date September 29, 2014

By

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John Miller  
Commercial, Industrial, R&D and Academic Branch  
Division of Nuclear Materials Safety  
Region I