U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 9

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.

Licensee	In accordance with application dated May 08, 2025,	4. Expiration Date: April 30, 2034
1. State of Connecticut Department of Public Health		5. Docket No.: 030-37847 Reference No.:
2. 395 West Street Rocky Hill, CT 06067	3. License No.: 06-27895-03 is amended in its entirety to read as follows:	

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
A. Hydrogen-3	A. Any	A. 5 millicuries total	A. Taking of, and analysis of, samples as a non-commercial service for other persons as defined in 10 CFR 20.2003; calibration and checking of licensee's instruments.
B. Any byproduct material with Atomic Numbers 1 through 83	B. Any	B. 1 millicure per radionuclide and 1,000 millicuries total (See also License Condition 13)	B. Taking of, and analysis of, samples as a non-commercial service for other persons as defined in 10 CFR 20.2003; calibration and checking of licensee's instruments.
C. Any byproduct material with Atomic Numbers 84 through 103	C. Any	C. 10 microcuries per radionuclide and 100 microcuries total (See also License Condition 13)	C. Taking of, and analysis of, samples as a non-commercial service for other persons as defined in 10 CFR 20.2003; calibration and checking of licensee's instruments.
D. Americium-241	D. Sealed Sources (Eckert & Ziegler, Model Custom)	D. 10 microcuries per source and 150 microcuries total	D. For use as calibration and/or reference standards.

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CONDITIONS

10. Licensed material may be used or stored at the licensee's facilities located at: Dr. Katherine A. Kelly State Public Health Laboratory, 395 West Street, Rocky Hill, Connecticut.

11. Licensed material shall only be used by, or under the supervision of Susan Isch.

12. The Radiation Safety Officer (RSO) for this license is Susan Isch.

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. Sealed sources or detector cells containing licensed material shall not be opened or the foil sources removed from the detector cell by the licensee.

15. 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.

16. A. Records of leak test results shall be kept in units of becquerels (microcuries) and shall be maintained for 3 years.

    B. Sealed sources and detector cells shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or by an Agreement State. In the absence of a registration certificate, sealed sources shall be tested for leakage and/or contamination at intervals not to exceed 6 months, or at such other intervals as specified.

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C. Notwithstanding Paragraph A of this Condition, sealed sources designed to primarily emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.

D. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or by an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.

E. Sealed sources need not be tested if they contain only hydrogen-3; or they contain only a radioactive gas; or the half-life of the isotope is 30 days or less; or they contain not more than 100 microcuries of beta- and/or gamma-emitting material or not more than 10 microcuries of alpha-emitting material.

F. Sealed sources need not be tested if they are in storage and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

G. The leak test shall be capable of detecting the presence of 185 becquerels (0.005 microcuries) of radioactive material on the test sample. If the test reveals the presence of 185 becquerels (0.005 microcuries) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.

H. Analysis of leak test samples and/or contamination shall be performed by persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services. The licensee is authorized to collect leak test samples but not perform the analysis.

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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 January 28, 2019 (ML19042A097)
    B. Letter dated March 5, 2019 (ML19072A133)

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: June 13, 2025

By: MICHAEL REICHARD Digitally signed by MICHAEL REICHARD Date: 2025.06.13 11:05:24 -04'00'

Michael Reichard
Region 1