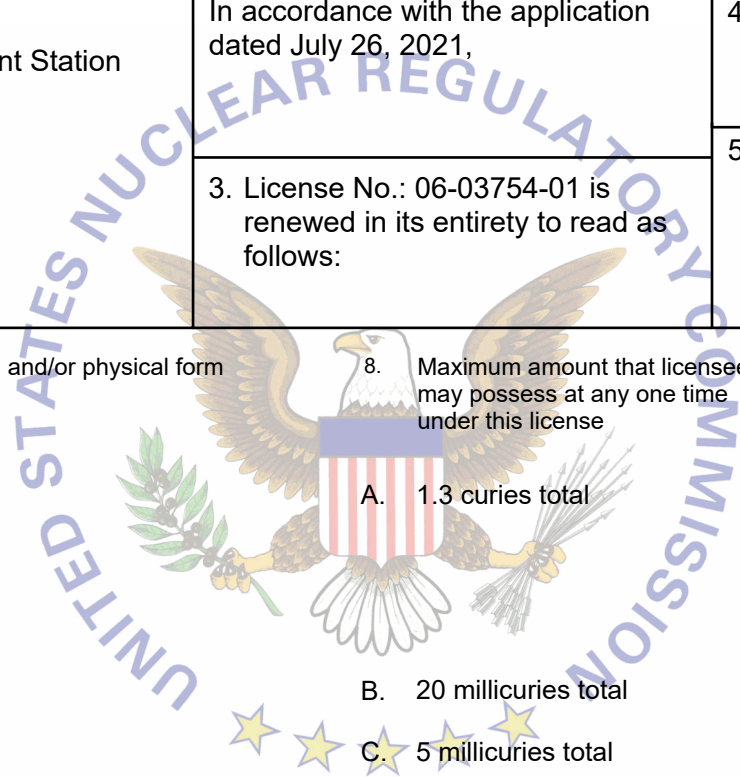


MATERIALS LICENSE

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.

<p style="text-align: center;">Licensee</p> <p>1. The Connecticut Agricultural Experiment Station</p> <p>2. 123 Huntington Street New Haven, CT 06511</p>	<p>In accordance with the application dated July 26, 2021,</p> <p>3. License No.: 06-03754-01 is renewed in its entirety to read as follows:</p>	<p>4. Expiration Date: January 31, 2037</p> <p>5. Docket No.: 030-03787 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	9. Authorized use
A. Hydrogen-3	A. Any	A. 1.3 curies total	A. For research and development as defined in 10 CFR 30.4, including animal studies and in-vitro studies; teaching and training of students; and calibration and checking of the licensee's instruments.
B. Carbon-14	B. Any	B. 20 millicuries total	B. Same as 9.A.
C. Phosphorus-32	C. Any	C. 5 millicuries total	C. Same as 9.A.
D. Sulfur-35	D. Any	D. 10 millicuries total	D. Same as 9.A.



**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License No.: 06-03754-01

Docket or Reference No.:
030-03787

Amendment No. 37

CONDITIONS

10. Licensed material shall be used or stored at the licensee's facilities located at:
 - A. 123 Huntington Street, New Haven, Connecticut, 06511
 - B. Lockwood Farm, 890 Evergreen Avenue, Hamden, Connecticut, 06518
11. Licensed material shall be used by, or under the supervision of Neil Schultes, Ph.D. Licensed material specified in Items 6.A. and 6.B. of the license shall be used by, or under the supervision of, Joseph Pignatello, Ph.D. Licensed material specified in Item 6.B. of the license shall be used by, or under the supervision of, Blair Steven, Ph.D.
12. The Radiation Safety Officer for this license is Joseph Pignatello, Ph.D.
13. The licensee shall not use licensed material in or on human beings.
14. Experimental animals, or the products from experimental animals, that have been administered licensed materials shall not be used for human consumption.
15. The licensee shall not use licensed material in field applications where it is released except as provided otherwise by specific condition of this license.
16. Notwithstanding Condition 15 above, the licensee is authorized to conduct field studies with Carbon 14 at the licensee's facility at Lockwood Farm, Hamden, Connecticut in accordance with the procedures contained in letter dated December 7, 1984.

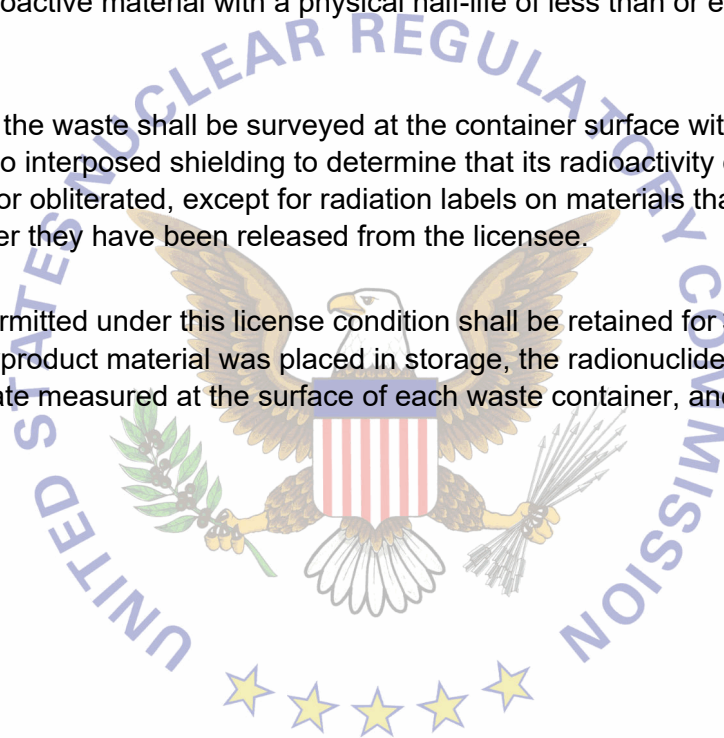
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License No.: 06-03754-01

Docket or Reference No.:
030-03787

Amendment No. 37

17. The licensee is authorized to hold radioactive material with a physical half-life of less than or equal to 120 days for decay-in-storage before disposal in ordinary trash provided:
- A. Before disposal as ordinary trash, the waste shall be surveyed at the container surface with the appropriate survey instrument set on its most sensitive scale and with no interposed shielding to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated, 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.
 - B. A record of each such disposal permitted under this license condition shall be retained for 3 years. The record must include the date of disposal, the date on which the byproduct material was placed in storage, the radionuclides disposed, the survey instrument used, the background dose rate, the dose rate measured at the surface of each waste container, and the name of the individual who performed the disposal.



**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License No.: 06-03754-01

Docket or Reference No.:
030-03787

Amendment No. 37

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. This license condition applies only to those statements, representations, and 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 impose on the licensee requirements that are more restrictive than or in addition to the regulations.

- A. Letter dated December 7, 1984 [ML09010036]
- B. Application dated October 4, 2021 [ML21281A133]
- C. Letter dated December 13, 2021 [ML21348A367]



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: January 10, 2022By: _____
Elizabeth Ullrich
Region 1