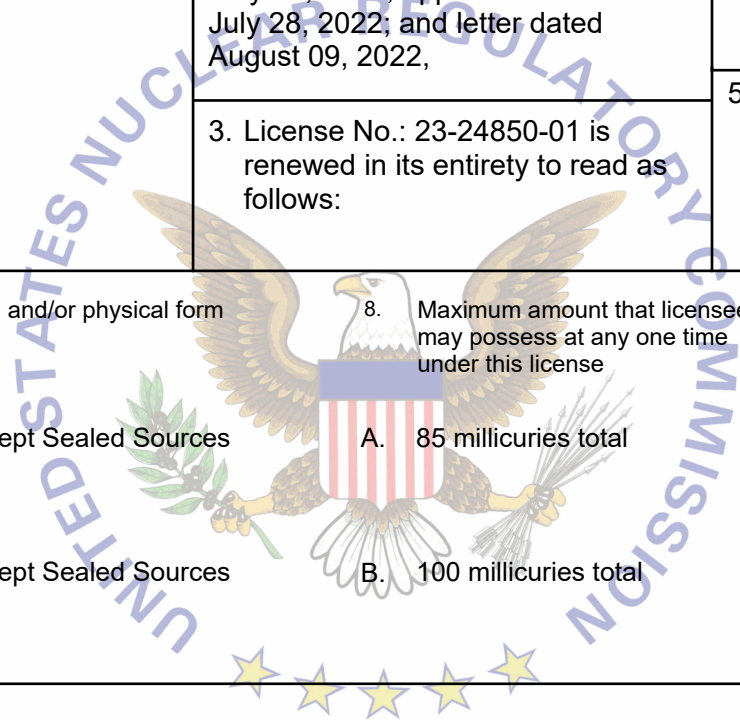


MATERIALS LICENSE

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. University of Southern Mississippi Division of Marine Science</p> <p>2. 1020 Balch Boulevard Stennis Space Center, MS 39529</p>		<p>In accordance with letter dated May 13, 2022; application dated July 28, 2022; and letter dated August 09, 2022,</p>	<p>4. Expiration Date: August 31, 2037</p>
		<p>3. License No.: 23-24850-01 is renewed in its entirety to read as follows:</p>	<p>5. Docket No.: 030-29278 Reference No.:</p>
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Carbon-14</p> <p>B. Hydrogen-3</p>	<p>7. Chemical and/or physical form</p> <p>A. Any Except Sealed Sources</p> <p>B. Any Except Sealed Sources</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 85 millicuries total</p> <p>B. 100 millicuries total</p>	<p>9. Authorized use</p> <p>A. For research and development as defined in 10 CFR 30.4 and in-vitro studies; teaching and training of students.</p> <p>B. For research and development as defined in 10 CFR 30.4 and in-vitro studies; teaching and training of students.</p>



**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License No.: 23-24850-01

Docket or Reference No.:
030-29278

Amendment No. 7
(Corrected Copy)

CONDITIONS

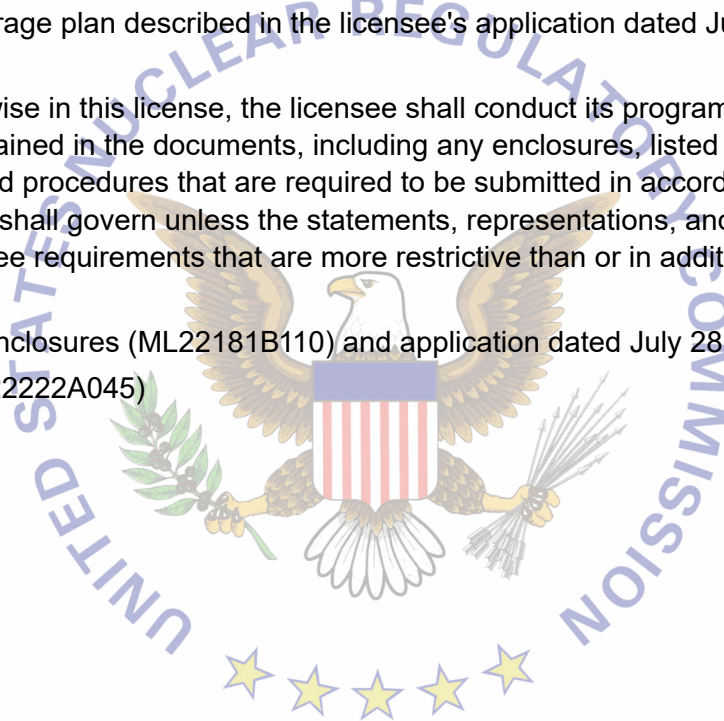
10. Licensed material may be used or stored only at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material, including areas of exclusive Federal jurisdiction within Agreement States. If the jurisdiction status of a Federal facility within an Agreement State is unknown, the licensee should contact the Federal agency controlling the job site in question to determine whether the proposed job site is an area of exclusive Federal jurisdiction. Authorization for use of radioactive materials at job sites in Agreement States not under exclusive Federal jurisdiction should be obtained from the appropriate state regulatory agency.
11. The Radiation Safety Officer (RSO) for this license is Christopher T. Hayes, Ph.D.
12. Licensed material shall only be used by, or under the supervision of:
- | <u>Authorized Users</u> | <u>Material and Use</u> |
|-----------------------------|-------------------------|
| Christopher T. Hayes, Ph.D. | C14,H3 |
| Kristina D.A. Mojica, Ph.D. | C14,H3 |
| Alan Shiller, Ph.D. | C14,H3 |
13. The licensee shall not use the licensed material in or on humans except as provided otherwise by specific condition of this license.
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.
15. Experimental animals, or the products from experimental animals, that have been administered licensed material shall not be used for human or animal consumption.
16. The licensee shall not acquire licensed material in a sealed source or device unless the source or device has been registered with the U.S. Nuclear Regulatory Commission pursuant to 10 CFR 32.210 or equivalent regulations of an Agreement State.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License No.: 23-24850-01

Docket or Reference No.:
030-29278Amendment No. 7
(Corrected Copy)

17. Radioactive waste possessed under this license shall be stored in accordance with the statements, representations, and procedures included with the licensee's waste storage plan described in the licensee's application dated July 28, 2022.
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 May 13, 2022 with enclosures (ML22181B110) and application dated July 28, 2022 with enclosures (ML22210A280)
- B. Letter dated August 9, 2022 (ML22222A045)



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: August 27, 2024By: _____
Casey Alldredge
Region 4