

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>Licensee</p> <p>1. TestAmerica Laboratories, Inc.</p> <p>2. 13715 Rider Trail North Earth City, MO 63045</p>		<p>In accordance with application dated November 03, 2022,</p>	<p>4. Expiration Date: May 31, 2038</p>
		<p>3. License No.: 24-24817-01 is renewed in its entirety to read as follows:</p>	<p>5. Docket No.: 030-29601 Reference No.:</p>
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material specified in section 33.100, Schedule A, Column 1, 10 CFR Part 33 (Type B Broad License)</p> <p>B. Strontium-90</p> <p>C. Cesium-137</p> <p>D. Cobalt-60</p> <p>E. Hydrogen-3</p> <p>F. Thorium (Natural)</p> <p>G. Uranium-233</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p> <p>C. Any</p> <p>D. Any</p> <p>E. Any</p> <p>F. Any</p> <p>G. Any</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. As specified in 10 CFR Part 33, Schedule A, Column II</p> <p>B. 100 millicuries total</p> <p>C. 100 millicuries total</p> <p>D. 100 millicuries total</p> <p>E. 3 curies total</p> <p>F. 200 millicuries total</p> <p>G. 19 millicuries (2 grams) total</p>	<p>9. Authorized use</p> <p>A. For possession in liquid and solid samples and for use in laboratory analysis and measurement studies and for use as calibration and/or reference standards.</p> <p>B. Same as Subitem No. 9.A.</p> <p>C. Same as Subitem No. 9.A.</p> <p>D. Same as Subitem No. 9.A.</p> <p>E. Same as Subitem No. 9.A.</p> <p>F. Same as Subitem No. 9.A.</p> <p>G. Same as Subitem No. 9.A.</p>

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License No.:
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Amendment No. 26

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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
H. Uranium-235-irradiated and unirradiated	H. Any	H. 714 microcuries (340 grams) total	H. Same as Subitem No. 9.A.
I. Any byproduct material with Atomic Numbers 84 through 103	I. Any	I. 5 millicuries per radionuclide and 100 millicuries total	I. Same as Subitem No. 9.A.
J. Uranium (Natural)	J. Any	J. 136 kilograms total	J. Same as Subitem No. 9.A.
K. Plutonium-236	K. Any	K. 100 microcuries total	K. Same as Subitem No. 9.A.
L. Plutonium-238	L. Any	L. 100 microcuries total	L. Same as Subitem No. 9.A.
M. Plutonium-239	M. Any	M. 100 microcuries total	M. Same as Subitem No. 9.A.
N. Plutonium-240	N. Any	N. 100 microcuries total	N. Same as Subitem No. 9.A.
O. Plutonium-241	O. Any	O. 5 millicuries total	O. Same as Subitem No. 9.A.
P. Plutonium-242	P. Any	P. 100 microcuries total	P. Same as Subitem No. 9.A.
Q. Thorium-227	Q. Any	Q. 2.1 millicuries total	Q. Same as Subitem No. 9.A.
R. Thorium-228	R. Any	R. 200 millicuries total	R. Same as Subitem No. 9.A.
S. Thorium-229	S. Any	S. 100 microcuries total	S. Same as Subitem No. 9.A.
T. Thorium-230	T. Any	T. 45.4 millicuries total	T. Same as Subitem No. 9.A.
U. Thorium-231	U. Any	U. 2.1 millicuries total	U. Same as Subitem No. 9.A.
V. Thorium-232	V. Any	V. 200 millicuries total	V. Same as Subitem No. 9.A.
W. Thorium-234	W. Any	W. 45.4 millicuries total	W. Same as Subitem No. 9.A.

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CONDITIONS

10. Licensed material shall be used or stored at the licensee's facilities located at 13715 Rider Trail North, Earth City, Missouri, 63045.
11. The Radiation Safety Officer (RSO) for this license is Michael Ridenhower.
12. Licensed material shall only be used by, or under the supervision of:
Michael Ridenhower Terrance Romanko
13. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material in the form of unsealed material and foil or plated sources to quantities below the limits specified in 10 CFR 30.72, which require consideration of the need for an emergency plan for responding to a release of licensed material.
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.

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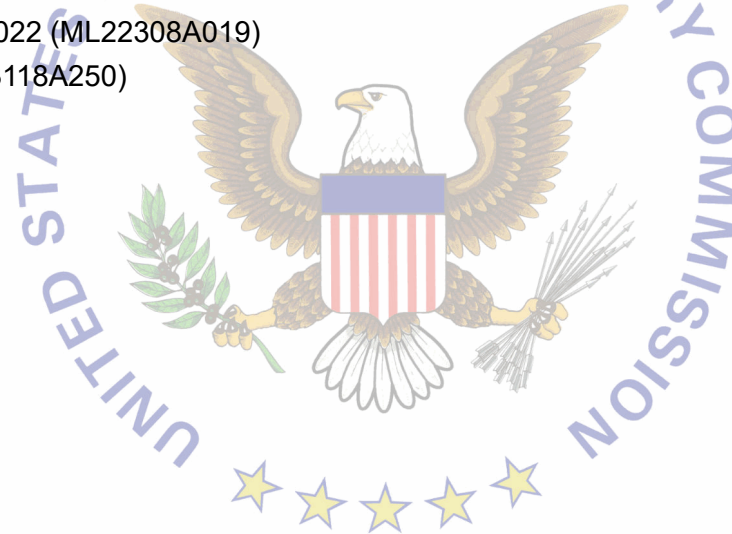
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16. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license 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. Application dated November 3, 2022 (ML22308A019)

B. Letter dated April 28, 2023 (ML23118A250)



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: May 2, 2023

By: _____

Sara A. Forster
Region 3