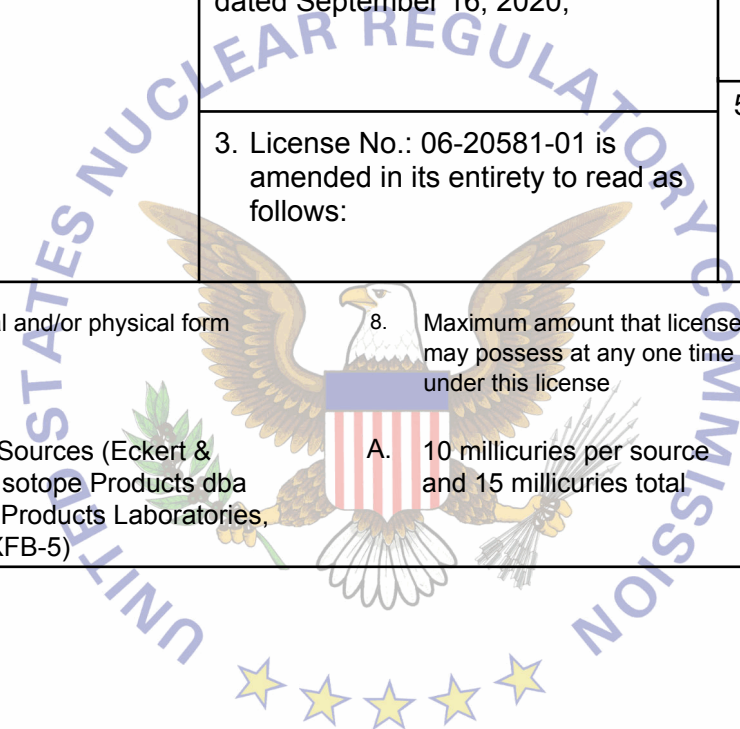


MATERIALS LICENSE

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. Danbury Mission Technologies, LLC</p> <p>2. 100 Wooster Heights Road Danbury, CT 06810</p>		<p>In accordance with the letter dated September 16, 2020,</p>	<p>4. Expiration Date: January 31, 2025</p>
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Cadmium-109</p>		<p>3. License No.: 06-20581-01 is amended in its entirety to read as follows:</p>	<p>5. Docket No.: 030-19941 Reference No.:</p>
<p>7. Chemical and/or physical form</p> <p>A. Sealed Sources (Eckert & Ziegler Isotope Products dba Isotope Products Laboratories, Model XFB-5)</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 10 millicuries per source and 15 millicuries total</p>	<p>9. Authorized use</p> <p>A. For measurement of charge transfer efficiency in a charge coupled device (CCD) for testing subassemblies for products manufactured for customers.</p>	



**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License No.: 06-20581-01

Docket or Reference No.:
030-19941

Amendment No. 14

CONDITIONS

10. Licensed material may be used or stored only at the licensee's facilities located at: 100 Wooster Heights Road, Danbury, Connecticut, 06810
11. Licensed material shall only be used by, or under the supervision of, Ryan Hannan or, individuals who have received the training described in the letter dated November 21, 2014 and have been designated, in writing, by the Radiation Safety Officer. The licensee shall maintain records of individuals designated as users for 3 years following the last use of licensed material by the individual.
12. The Radiation Safety Officer (RSO) for this license is Ryan Hannan.
13. 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.
14.
 - A. Sealed sources 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.
 - B. 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.
 - C. 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.

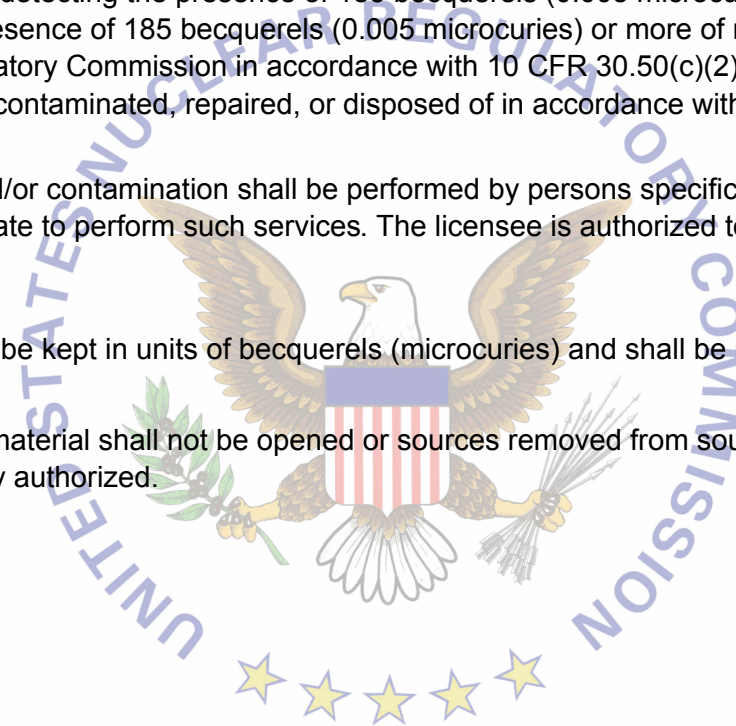
**MATERIALS LICENSE
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- D. The leak test shall be capable of detecting the presence of 185 becquerels (0.005 microcuries) of radioactive material on the test sample. If the test reveals the presence of 185 becquerels (0.005 microcuries) or more of removable 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.
- E. 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.
- F. Records of leak test results shall be kept in units of becquerels (microcuries) and shall be maintained for 3 years.
15. Sealed sources containing licensed material shall not be opened or sources removed from source holders or detached from source rods, by the licensee, except as specifically authorized.



**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License No.: 06-20581-01

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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 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. Letter dated November 21, 2014 with attachments (ML14343A653)



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: November 4, 2020By: _____
Elizabeth Ullrich
Region 1