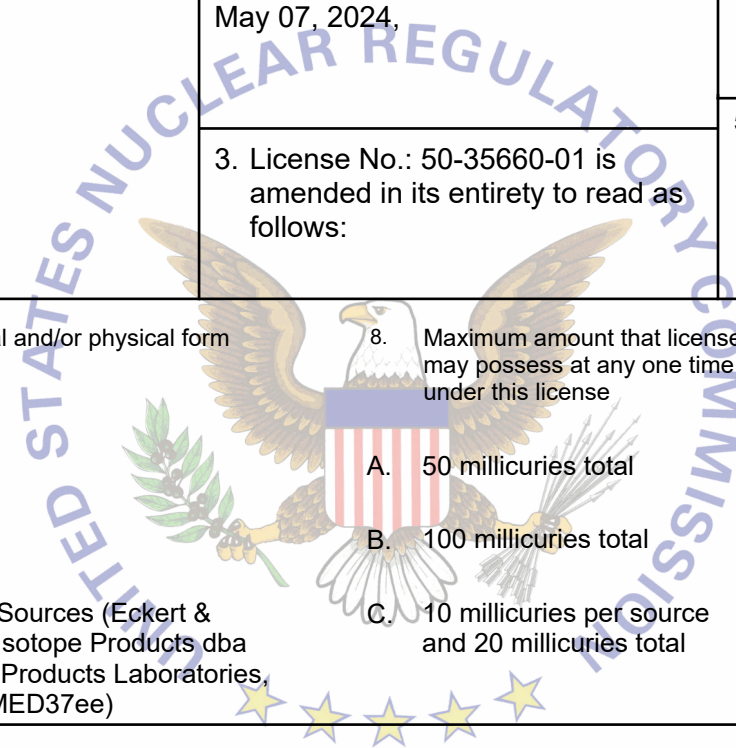


MATERIALS LICENSE

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. Tier 1 Veterinary Medical Center</p> <p>2. 6623 E. Blue Lupine Drive Palmer, AK 99645</p>		<p>In accordance with letter dated May 07, 2024,</p>	<p>4. Expiration Date: February 28, 2037</p>
		<p>3. License No.: 50-35660-01 is amended in its entirety to read as follows:</p>	<p>5. Docket No.: 030-39296 Reference No.:</p>
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Technetium-99m</p> <p>B. Iodine-131</p> <p>C. Cobalt-57</p>	<p>7. Chemical and/or physical form</p> <p>A. Liquid</p> <p>B. Liquid</p> <p>C. Sealed Sources (Eckert & Ziegler Isotope Products dba Isotope Products Laboratories, Model MED37ee)</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 50 millicuries total</p> <p>B. 100 millicuries total</p> <p>C. 10 millicuries per source and 20 millicuries total</p>	<p>9. Authorized use</p> <p>A. For diagnostic veterinary medicine procedures.</p> <p>B. For use in treatment of feline hyperthyroidism.</p> <p>C. For use in calibration and checking of the licensee's instruments.</p>



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SUPPLEMENTARY SHEET**

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030-39296

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CONDITIONS

10. Licensed material shall be used or stored at the licensee's facilities located at 6623 E. Blue Lupine Drive, Palmer, Alaska, 99645.
11. Licensed material shall only be used by, or under the supervision of:
- | <u>Authorized Users</u> | <u>Material and Use</u> |
|-------------------------|--------------------------------------|
| SaraRose McPeck, DVM | As authorized in items 6, 7, 8 and 9 |
| Bradley Schmidt, DVM | As authorized in items 6, 7, 8 and 9 |
12. The Radiation Safety Officer (RSO) for this license is SaraRose McPeck, DVM.
13. The licensee shall not use the licensed material in or on humans.
14. A. 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.
- 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.

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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. Tests for leakage and/or contamination, including leak test sample collection and analysis, shall be performed by the licensee or other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
- 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 by the licensee, except as specifically authorized.
16. 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.
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.

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- 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.



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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. NRC Form 313 dated October 29, 2021 (excluding items 5, 6, 7, 8, 10 and 11, and exemption request) and enclosed item 9, attachments 9 and 10 (ML21348A125)
 - B. Revised application submitted in email dated January 25, 2022 (excluding references to Part 35 and exemption requests), letter dated February 3, 2022 and letter dated February 8, 2022 with attachment (ML22040A359)
 - C. Letter dated February 10, 2022 with attachments (ML22041B547) and letter dated September 20, 2022 with revised attachments (ML22290A144)
 - D. Letter dated April 13, 2023 (ML23103A454)
 - E. Letter with attachment dated May 14, 2023 (ML23136A945)

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: June 21, 2024By: _____
Casey Alldredge
Region 4