NRC FORM 374

U.S. NUCLEAR REGULATORY COMMISSION

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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, 39, 40, and 70, 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.

Licensee	
1. Advanced Animal Imaging Services, LLC	3. License number 13-32783-01
2. 5902 Homestead Road	4. Expiration date October 31, 2020
Fort Wayne, IN 46814	5. Docket No. 030--38326 Reference No.

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
A. Technetium-99m	A. Any liquid	A. One curie
B. Iodine-123	B. Any non-volatile liquid and capsules	B. One curie
C. Iodine-131	C. Any non-volatile liquid and capsules	C. One curie
D. Cesium-137	D. Sealed sources (see 9.D.)	D. No single source to exceed 400 microcuries, total possession of 1000 microcuries
E. Barium-133	E. Sealed sources (see 9.E.)	E. No single source to exceed 500 microcuries, total possession of 1000 microcuries
F. Cobalt-57	F. Sealed source (see 9.F.)	F. 15 millicuries
G. Cobalt-57	G. Sealed source (see 9.G.)	G. One millicurie

9. Authorized use:

A. and B. For hyperthyroid diagnosis and imaging and localization studies in felines and canines.

C. For hyperthyroid and thyroid carcinoma treatment in felines and canines.

D. through F. Sealed sources manufactured and/or distributed by Eckert & Ziegler Isotope Products dba Isotope Products Laboratories; Eckert & Ziegler Analytics; Eckert & Ziegler Nuclitec GmbH, Model No. RV-XXX. For use in the calibration and quality control of equipment.

G. Sealed sources manufactured and/or distributed by Eckert & Ziegler Isotope Products dba Isotope Products Laboratories; Eckert & Ziegler Analytics; Eckert & Ziegler Nuclitec GmbH, Model No. RV-XXX. For use in the calibration and quality control of equipment.

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CONDITIONS

10. Licensed materials shall be used only at the licensee's facilities located at 5902 Homestead Road, Fort Wayne, Indiana.

11. The Radiation Safety Officer for this license is Ryan Harrell, C.N.M.T.

12. Licensed material shall be used by, or under the supervision of, Ryan Harrell, C.N.M.T., Kevin Cawood, D.V.M. and William Scheiber, D.V.M. , as described in the facsimile dated Septmber 8, 2010, and the separate, signed letter dated September 8, 2010, pertaining to the facsimile dated September 8, 2010.

13. 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, byproduct material shall be surveyed at the container surface with the appropriate survey meter 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.

    B. A record of each disposal permitted under this License Condition shall be retained for three 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.

14. Licensed material shall not be used in or on human beings.

15. Experimental animals or the products from experimental animals that have been administered licensed materials shall not be used for human consumption.

16. The licensee is authorized to transport licensed material only in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

17. 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 NRC under 10 CFR 32.210 or by an Agreement State.

    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 NRC under 10 CFR 32.210 or by an Agreement State prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.

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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.

D. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) 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 shall be performed by persons specifically licensed by the Commission or an Agreement State to perform such services. In addition, the licensee is authorized to collect leak test samples but not perform the analysis: analysis of leak samples must be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.

F. Records of leak tests results shall be kept in units of microcuries and shall be maintained for 3 years.

18. 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 sources and/or devices received and possessed under the license.

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19. 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 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. Application dated July 15, 2010, (with attachments, excluding all references to equines, ferrets, unspecified "pets," non-food supply farm animals, and RSO delegate(s);

    B. Facsimile (unsigned) dated September 8, 2010, (with attachments, excluding item 9b. and reference to generator column waste disposal); and,

    C. Facsimile letter (signed) dated September 8, 2010, in support of the facsimile dated September 8, 2010.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date NOV 02 2010

By Colleen Carol Casey
Colleen Carol Casey
Materials Licensing Branch
Region III