

## U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 01  
Corrected Copy**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.

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| <p style="text-align: center;">Licensee</p> <p>1. Associated Veterinary Specialists</p> <p>2. 12462G Natural Bridge Rd.<br/>Bridgeton, MO 63044</p> | <p>In accordance with application dated<br/><b>January 17, 2005,</b></p> <p>3. License number 24-26584-01 is renewed in its entirety to read as follows:</p> <p>4. Expiration date June 30, 2015</p> <p>5. Docket No. 030-33561<br/>Reference No.</p> |   |
| <p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Iodine-131</p> <p>B. Technicium-99m</p>  | <p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p>   | <p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 100 millicuries</p> <p>B. 200 millicuries</p> |

## 9. Authorized use:

A. and B. Veterinary use in the diagnosis and treatment of disease in animals.

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at Associated Veterinary Specialists, 12462G Natural Bridge Road, Bridgeton, Missouri.
11. Radiation Safety Officer: Michael Muhlbauer, D.V.M.
12. Licensed material shall be used by, or under the supervision of, Michael C. Muhlbauer, D.V.M. or Diana K. Stuckey, D.V.M.
13. The licensee is authorized to hold radioactive material with a physical half-life of less than 120 days for decay-in-storage before disposal in ordinary trash provided:
- A. the waste is held in storage until the radiation exposure rate cannot be distinguished from background radiation levels;
  - B. the waste is monitored at the container's surface and with no interposed shielding;
  - C. the waste is monitored with the appropriate radiation detection instrument set at its most sensitive scale;

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SUPPLEMENTARY SHEET**License Number  
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- D. all radiation labels are removed or obliterated (except labels on materials that are within containers and will be managed as biomedical waste after release from the licensee); and
- E. records of the disposal are maintained.
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. 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. 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. Application dated January 17, 2005; and
- B. Letter dated May 26, 2005.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date SEP 13 2012By William P. Reichhold  
William P. Reichhold  
Materials Licensing Branch  
Region III