



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

May 18, 2005

Docket No. 03036940
Control No. 136965

License No. 45-31048-01

Cynthia Sloan
Radiation Safety Officer
SouthPaws Veterinary Referral Center
6136 Brandon Ave.
Springfield, VA 22150

SUBJECT: SOUTHPAWS VETERINARY REFERRAL CENTER, REQUEST FOR
ADDITIONAL INFORMATION CONCERNING APPLICATION FOR NEW
LICENSE, CONTROL NO. 136965

Dear Dr. Sloan:

This is in reference to your application dated April 14, 2005 applying for a Nuclear Regulatory Commission license. In order to continue our review, we need the following additional information:

1. The application requested use of byproduct material permitted by 10 CFR 35.100 and 35.200. This reference to 35.100 and 35.200 is only for applicants desiring medical use of byproduct material and does not apply to veterinary services. Please specify the isotope, physical/chemical form, maximum possession limit, and purpose of all licensed radioactive material desired. This should include any non-exempt reference or calibration sources as well as radionuclides for diagnosis or treatment of animals.
2. Figure 1 containing the diagram of the facility was missing from the application. Please include specific building location or unique identifier, dimensions, storage areas, and ventilation flow rates inside of the building.
3. In support of your request for millicurie quantities of radioiodine, submit special safety instructions to be provided to individuals. Your procedures should include:
 - a. A mandatory radiation survey and wipe test for radioactive contamination after each use.
 - b. The flow rate of ventilation in the restricted area and cat retaining area.
4. Your application stated that you may receive radioactive seeds (Page 4) and use Tc-99^m (Page 6). Include instruction to owners for animals treated with radioactive seeds or Tc-99^m. List criteria for allowing animals to be removed from your facility to their owners for these isotopes or any other applicable isotopes requested in question #1.

5. In your application, you identify Dr. Robert Rosenthal, Dr. Sarah Sheafor, and Dr. Robert Toal as authorized users. Please describe these individual's formal training in the following areas:
- principles and practices of radiation protection;
 - radioactivity measurements standardization and monitoring techniques and instruments;
 - mathematics and calculations basic to the use and measurement of radioactivity; and
 - biological effects of radiation.

In addition, describe the specific isotopes the individual has handled, the maximum quantities of materials handled, where the experience was gained, the duration of the experience and the type of use.

6. In the description of your program for training and refresher training, some important areas did not seem to be included. All persons who handle licensed material or who frequent areas where licensed material is used must include a review of emergency procedures and response criteria. Other training elements, such as regulatory compliance, posting, labeling, record keeping, misconduct, and receiving packages, should be included in the training program. Confirm that your training program will include these elements. When developing a training program, the model training program in Appendix J of NUREG-1556, Volume 7 may be helpful.

Current NRC regulations and guidance are available at the NRC web site at <http://www.nrc.gov/materials/miau/mat-toolkits.html> and <http://www.nrc.gov/who-we-are/governing-laws.html> or by contacting the Government Printing Office (GPO) toll-free at 1-888-293-6498. The GPO is open from 7:00 a.m. to 9:00 p.m. EST, Monday through Friday (except Federal holidays).

We will continue our review upon receipt of this information. Please reply to my attention at the Region I Office and refer to Mail Control No. 136965. If you have any technical questions regarding this deficiency letter, please call Dennis Lawyer at (610) 337-5366.

If we do not receive a reply from you within 30 calendar days from the date of this letter, we will assume that you do not wish to pursue your application.

Sincerely,

Original signed by Elizabeth Ullrich

Betsy Ullrich
Senior Health Physicist
Commercial and R&D Branch
Division of Nuclear Materials Safety

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