

**IVR / IVEC FAX FORM**

**FAXSHEET.DOC**

**INDIANAPOLIS VETERINARY REFERRAL  
INDIANAPOLIS VETERINARY EMERGENCY CENTER**



**FACSIMILE TRANSMITTAL SHEET**

**TO:**  
Colleen Carol Casey

**FROM:**  
Indianapolis Veterinary Referral  
Indianapolis Veterinary Emergency Center

**COMPANY:**  
Materials Licensing Branch  
United States NRC/ Region III

**DATE:**  
8/29/08

**RECEIVER'S FAX NUMBER**  
630-515-1078

**TOTAL NUMBER OF PAGES**  
4

**IVR/IVEC'S PHONE NUMBER:**  
(317) 782-4484

**IVR/IVEC'S FAX NUMBER:**  
(317) 786-4484

**RE : Control No.: 317213**

URGENT <input type="checkbox"/>	FOR REVIEW <input checked="" type="checkbox"/>	PLEASE COMMENT <input type="checkbox"/>	PLEASE REPLY <input type="checkbox"/>	PLEASE REPLY <input type="checkbox"/>
------------------------------------	---	--	--	--



**OPEN  
24 HOURS A DAY  
7 DAYS A WEEK  
365 DAYS A YEAR**

## **PET-E-911**

Colleen Carol Casey  
Materials Licensing Branch  
United States Nuclear Regulatory Commission  
Region III  
2443 Warrenville Road Ste 210  
Lisle, Illinois 60532-4352

Dear Ms. Casey:

Thank you for your reply to my license request. The following reply is additional information to control number 317213. Please be advised that two cases of feline hyperthyroidism are awaiting our licensing and are currently on medical management for their condition. Although we have offered to refer these cases to another facility, the clients have declined referral due to the distance they would be required to travel for treatment. Consequently, we appreciate your willingness to help expedite our licensing request.

We are withdrawing the request for plated or sealed sources with atomic numbers 1-83.

A copy of my certificate for Radiation Safety Officer Training and a copy of the course outline was given to Mr. Darrell Wledeman at his site inspection on August 28, 2008. There was a series of written exams and quizzes given during the training period on the materials. The course was a 4.5 day course and consisted of 37 contact hours of instruction. The hands on instruction consisted of the use of various survey instruments, and calibration procedures. Prior hands on use of radioactive materials was during my schooling at the University of Illinois, College of Veterinary Medicine.

### 5.0 Radioactive Material

We will be obtaining free I-131 sealed in a unit dose syringe of 5 mCi from Cardinal Health Nuclear Pharmacy Services at 7920 Georgetown, Ste 100, Indianapolis, IN 46268.

### 7.2 Authorized Users

Lisa Stack, RVT will work under the direction and supervision of James R. Speiser, DVM, RSO in the injecting and care of cats treated with I-131. We are not requesting Lisa Stack be an Authorized User.

### 8.0 Training for Individuals Frequenting Restricted Areas

Please see item 8.1, 8.2, and 8.3, of my submission.

Personnel will receive instruction before assuming duties with, or in the vicinity of, radioactive materials, during annual refresher training, and whenever there is a significant change in duties, regulations, terms of the license, or type of radioactive material being used. Records of worker training will be maintained for at least three years. The training records will include the date of the instruction or training and the names of the attendees and instructors.

In addition to the training stated in my submission, additional training topics may be selected as outlined in Appendix J of NUREG-1556, Vol. 9, Rev. 1. All ancillary staff at Indianapolis Veterinary Emergency Center will be

notified of the NRC license and the requirement to follow the policies and procedures as outlined in policy and will be instructed in the procedures and potential situations in which the RSO should be notified regarding concerns of radiation safety. Ancillary staff training will follow the guidelines outlined in Appendix J of NUREG-1556, Vol. 9, Rev. 1 on an annual basis or as staff are hired.

#### 9.0 Facilities and Equipment

The I-131 suite will be secure from the remainder of the hospital through a combination key lock which only the RSO and trained personnel will have access to. The flooring is an epoxy hard surface and the tables and countertops in the hot lab are solid impervious ceramic material. The walls are painted drywall, and the ceiling is also drywall so as to allow completely separate ventilation of the I-131 area. The ventilation system to the I-131 area is nonrecirculated air vented to the outside with a circulation rate maintaining a net negative pressure with respect to the rest of the hospital. Additionally, a local exhaust is present in the I-131 hot lab which may be used in the unlikely event that radioactive material may become airborne. I do not expect or anticipate any airborne activity since all radioactive material will be in sealed unit dose syringes. The animal housing is in an adjacent room to the hot lab and is also secure from the remaining hospital. Stainless steel cages are fully surrounded by 1/2" lead on the top, back, and sides for shielding. The storage and preparation of radioactive materials will be in the I-131 hot lab. Receipt of radioactive materials from the radiopharmacy will be in the central storage area of the hospital adjacent to the I-131 area. All received materials will immediately be placed in the hot lab of the I-131 area by the radiopharmacy personnel.

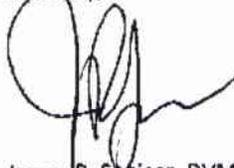
#### 10.0 Radiation Safety Programs Material Receipt and Accountability

We confirm that we will maintain procedures for insuring material accountability. A log of the patient, date ordered, date received, and date administered will be kept for a period of five years. All sealed 5 mCi syringes of I-131 will be ordered and delivered by Cardinal Health Nuclear Pharmacy Services in Indianapolis, IN. Used unit syringes, needles, and any tubing used for administration shall be returned to the pharmacy of purchase for disposal.

#### Caretaker Instructions

Caretaker Instructions were previously submitted under attachment D to the original application. The instructions on attachment D may be modified in accordance with instructions outlined under Appendix H in NUREG-1556, Vol. 7.

Sincerely,



James R. Speiser, DVM

Diplomate, American Board of Veterinary Practitioners  
Certified in Canine and Feline Medicine and Surgery



**PET-E-911**

**OPEN  
24 HOURS A DAY  
7 DAYS A WEEK  
365 DAYS A YEAR**

August 29, 2008

To the Management of Indianapolis Veterinary Emergency Center:

I, Dr. James R. Speiser, accept the position of Radiation Safety Officer at Indianapolis Veterinary Emergency Center. I fully understand the duties and responsibilities associated with the position as outlined in IVEC policy, and policies regarding the handling of radioisotopes for therapeutic use as outlined by the Nuclear Regulatory Commission.

Sincerely,

James R. Speiser, DVM  
Diplomat, American Board of Veterinary Practitioners  
Certified in Canine and Feline Medicine and Surgery