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October 29, 2014

U.S. NUCLEAR REGULATORY COMMISSION  
Region III  
Materials Licensing Branch  
2443 Warrenville Road, Ste 210  
Lisle, IL 60532-4352  
Email: [frankt.tran@nrc.gov](mailto:frankt.tran@nrc.gov)  
FAX: 630-515-1078

RE: License 21-26539-01 Mail Control #583987

Thank you for the conversation record document with Ray Carlson. Mr. Carlson is currently out of town so please for the month of November direct your questions to Laura Smith at [lsphysics@att.net](mailto:lsphysics@att.net). Please also note Ms. Smith's new cell # of 586-808-3058. Your responses in order:

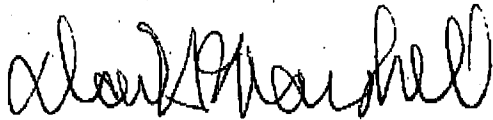
- 1). We confirm the licensee will only use the unit dose of I-131 in a capsule.
- 2). The radiation safety program that we provide to individuals whos are assigned duties involving exposure to radiation and/or radioactive material and for those Who are likely in employment to reveive in a year an occupation dose of greater then 100mre is:
  - a. Initial training for individuals (technologist) include an in-service on radiation safety with physicist include a question and answer period. The training includes: PHYSICS AND INSTRUMENTATION: Basic physics (atomic structures), (decay modes (specific to I-131: Beta, Gamma), Radiation Units, RADIOPHARMACEUTICAL: Radiotracer kinetics and characteristics (e.g., I-131 only), RADIATION SAFETY: Radiopharmaceutical receiving, handeling, monitoring, and containment, Haznat, Handeling radiopharmaceutical spills and waste, Storage and Calibration of radiopharmaceuticals, Radiation Safety Concepts and Training, Radiation exposure and ALARA, Governmental regulations, Radiation Exposure monitors and limits. RADIATION BIOLOGY. GM meter usage, wipe test equipment use. Then shadow training with hands on equipment and methodology. A follow up with the physicist occurs within the quarter to assure the technologist is comfortable with duties and independent work. Physicst reviews radiation safety concepts with workers during every site visit.

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- b. Annual refresher training for all workers on the same subjects.
- c. Authorized Users (AU) also preform training prior to request for AU statue.  
This is submitted for approval, so therefore is not covered in this section, but AU do sit with the technologist for annual refresher training.

- 3) The release criteria for animals treated with I-131 is: *See the 2 attached release forms*
- 4) The instructions that the licensee provide to the caregiver before releasing the animal treated with I-131 is: *See the 2 attached release forms*
- 5) We confirm we conduct confirmatory surveys for the areas outside of the area of use to confirm the radiation level is less than or equal to 100mrem annual and 2mrem/hour.

Sincerely,



Dan Marshall  
Authorized User

Radiation Safety Office: Dr. Dan H. Marshall  
Office: 586-463-9550 / Home: 586-954-1603

**TO THE OWNER:**

The following rules must be followed without exception if your animal is to be treated with radioactive iodine. Read them carefully. If you agree to follow these rules and request that your animal be treated, sign below.

**OWNER'S STATEMENT OF CONSENT FOR TREATMENT**

I have read the rules that must be followed if my animal is treated with radioactive iodine, agree to follow them carefully, and request that my animal be treated.

\_\_\_\_\_  
(Owner's Signature)

\_\_\_\_\_  
(Date)

THE FOLLOWING RESTRICTIONS APPLY UNTIL \_\_\_\_\_ (Date to be entered):

1. Leave the collar on your pet warning others about the radioactive iodine until the date noted.
2. Persons over 18 years of age should stay three feet or further away from your pet, except for brief periods for necessary care.
3. Persons under 18 years of age should stay six feet or further from your pet, and should wash their hands after any contact.
4. Children under 18 and pregnant women should not change the litter.
5. You must keep your pet strictly confined to your premises during this period.
6. You must keep your pet strictly confined to the inside of your home during this period

(Over)

The radioactive iodine which your pet has received is beneficial to it, but it is desirable that other persons not be unnecessarily exposed to radiation. To keep such exposure as low as possible:

1. You should minimize close contact with your pet, including arranging to have your pet sleep in a separate room until the date noted.
2. Your pet is still excreting low levels of radioactive iodine. Make sure your cat urinates and defecates in its litter pan. Use plastic disposable litter pan liners and wear disposable latex gloves to minimize contact with litter. You will be required to utilize flushable litter and flush via your homes toilet all waste for a period of one week post discharge of your pet from our hospital. Do not discard the waste into the trash. The radioactive material in the litter would set off the alarm at the waste site and may require an investigation by regulatory agencies.
3. Wash your hands carefully after handling your pet, its food dishes, or litter pan.

**REMINDERS:**

1. Remember the wet paint analogy, urine and feces
2. Remember the candle flame analogy
3. Do not use bleach

If your pet should die or need veterinary attention prior to the date noted, notify Dr. Dan H. Marshall, Office – 586-463-9550 / Home – 586-954-1603.

**OWNER AGREEMENT AT TIME OF RELEASE**

I have read and understand the radiation safety precautions, and will follow them.

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Date)

DATE FOR CESSATION OF FLUSHABLE LITTER \_\_\_\_\_

NEXT VISIT WITH YOUR VETERINARIAN \_\_\_\_\_

**CATS**



*"Exclusively Feline  
Appointment Only"*

**VETERINARY**  
AND RADIO-IODINE  
TREATMENT CENTERS

Dr Dan Marshall  
Dr. Janette Vani  
Dr Christy Reagan

(586) 463-9550  
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www.catsvet.com

# Fax

To: NRC From: Dr. Dan Marshall

Fax: 630-515-1078 Date: 10-30-14

Phone: \_\_\_\_\_ Pages Including Cover Sheet: 5

Re: \_\_\_\_\_

Urgent  For Review  Please Reply  Please Comment

● Comments:



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