

# CATS



*"Exclusively Feline  
Appointment Only"*

**VETERINARY**  
AND RADIO-IODINE  
TREATMENT CENTERS

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February 8, 2012

US NRC  
Materials Licensing Branch  
US Nuclear Regulatory commission, Region III  
2443 Warrenville Road, Ste 210  
Lisle, IL 60532-4352

RE: 2<sup>nd</sup> REPLY TO A NOTICE OF VIOLATION NRC Inspection Report 030-33367/11-01 (DNMS) and notice of violation

Thank you for the phone conversation to help clarify some outstanding issues, and acknowledgement of our original response.

- 1) We performed the noted inservices for staff by the end of October of 2011 as we noted we would. A copy of the sign in sheets are attached.
- 2) We adjust our Survey Policy to clarify the posting, and the fact the policy is for all employees, not just new employees. A copy of the updated policy is attached.

We believe this resolves any outstanding issue.

If there are any questions, please contact Laura T. Smith, physicist at 586 215-5947, pager 313 609-2038 or Dr. Dan H. Marshall DVM, at 586-463-9550.

Sincerely,

Dan H. Marshall, DVM  
Radiation Safety Officer

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## **Cats Radioactive room surveys**

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### **PURPOSE**

To assure that employees are familiar with the appropriate radiation safety policies and procedures with end of day surveys and weekly wipe testing for removable contamination in Cat Nuclear areas.

### **POLICY**

#### **Ambient Dose Rate Surveys**

1. Survey Areas
  - a. In Radiopharmaceutical areas at the end of each day of use with a radiation detection survey meter.
  - b. In Radiopharmaceutical storage areas – survey weekly.
2. Immediately notify the RSO if you find unexpectedly high survey levels, and assess wipe testing procedures to assess if contamination or ambient exposures.
3. If exposure rates are over 5mrem/hour at 30cm from any area – a secondary posting sign will be posted outside the door noting: Caution Radiation Area. Once levels of exposure drop below the 5mrem/hour at 30cm level, the Caution Radiation Area sign will be removed. At all times the Caution Radioactive Materials sign will remain posted.

Before commencing work with Nuclear employees will receive instruction to advise them of radiation safety policies and procedures, as apply to wipe testing and removable contamination surveys.

#### **Removable Contamination Surveys**

Weekly departmental wipes are required at the end of the working week. (example: If Thursday and Friday are holidays, and no radioactive cats are present at facility, then the weekly wipe will be performed on Wednesday – if unsure, ask Dr. Marshall or physicist). Wipes are also required if a spill occurs to clarify removable contamination. Wipes may be done on a more frequent basis, if wanted, but not required. When performing wipes, the wipe test counter QC must have been completed for that day.

Additional required wipe testing includes (see these policies for reference):

- Package Wipes, and hot lab waste storage areas
- Locations where Iodine-131 administrations occur.

Wipe testing survey areas:

1. In areas indicated by the facility map, administration areas, survey at end of work week for removable contamination. If diagnostic administrations are occasionally made in patients' rooms and special care is taken to remove all paraphernalias, those rooms need not be surveyed.

2. The wipe sample **must cover an area of minimum 300cm<sup>2</sup>**. The assay procedure should be sufficiently sensitive to detect the presence of 200 dpm/100 cm<sup>2</sup> of removable contamination iodine. You must document the sample measurements (usually in counts per minute, cpm) to disintegrations per minute, dpm. This can be done by pushing the DISPLAY button – two times to the dpm screen. If you are unsure of this, you must ask.
3. Immediately notify the RSO if you find unexpectedly high levels, and start spill procedures.

**Responsible Persons:** Medical Physicist, Administrative Director, Managers, Technologists

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**REVIEW SHEET**

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**DATES UPDATED**

July 2011, February 2012

**REVIEWED / REVISED BY**

Laura T. Smith, physicist

Jeff Dye & Anna G. R.

Breanna Armstrong

Stacy Baker

Ja M. Noel

Amy Demer

~~Heather~~

Dana Walker

~~Jeff~~

~~SS~~

Insha Straton

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Guazle Bush

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Radiation Safety  
10/19/2011

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