



Materials Inspection Report

1. Licensee/Location Inspected:

IndyVet Emergency and Specialty Hospital

5425 Victory Dr.
Indianapolis, IN 46203

Report Number(s) 2024001

2. NRC/Regional Office

Region III
U. S. Nuclear Regulatory Commission
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

3. Docket Number(s)

030-37823

4. License Number(s)

13-32698-01

5. Date(s) of Inspection

April 17, 2024

LICENSEE:

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

- ☐ 1. Based on the inspection findings, no violations were identified.
- ☐ 2. Previous violation(s) closed.
- ☒ 3. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements, and were assessed at Severity Level IV, in accordance with the NRC Enforcement Policy.
- A. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy were satisfied.
(Non-cited violation(s) was/were discussed involving the following requirement(s))

- B. The following violation(s) is/are being cited in accordance with NRC Enforcement Policy. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.

(Violations and Corrective Actions)

Contrary to 10 CFR 20.1101(c), the licensee failed to periodically (at least annually) review the radiation protection program content and implementation since the last inspection. As corrective action, the licensee committed to complete the annual radiation protection program review within 60-days and ensured the radiation protection program will be reviewed annually.

Statement of Corrective Actions

I hereby state that, within 30 days, the actions described by me to the Inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

TITLE	PRINTED NAME	SIGNATURE AND DATE
LICENSEE'S REPRESENTATIVE		
NRC INSPECTOR	Zahid Sulaiman, Health Physicist	Zahid M. Sulaiman <small>Digitally signed by Zahid M. Sulaiman Date: 2024.05.06 13:42:05 -05'00'</small>
BRANCH CHIEF	Rhex Edwards, Chief, MIB	 <small>Digitally signed by RHEX EDWARDS Date: 2024.05.07 20:01:26 -05'00'</small>



Materials Inspection Record

1. Licensee Name: IndyVet Emergency and Specialty Hospital		2. Docket Number(s): 030-37823		3. License Number(s) 13-32698-01	
4. Report Number(s): 2024-001			5. Date(s) of Inspection: April 17, 2024		
6. Inspector(s): Zahid Sulaiman, Health Physicist		7. Program Code(s): 02400		8. Priority: 5	9. Inspection Guidance Used: 87126
10. Licensee Contact Name(s): Erin Hunt, RSO		11. Licensee E-mail Address: erin.hunt@nva.com		12. Licensee Telephone Number(s): Work Cell: 317-893-6047	
13. Inspection Type: <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Announced <input type="checkbox"/> Non-Routine <input checked="" type="checkbox"/> Unannounced		14. Locations Inspected: <input type="checkbox"/> Hybrid <input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Temporary Job Site <input type="checkbox"/> Field Office <input type="checkbox"/> Remote		15. Next Inspection Date (MM/DD/YYYY): 04/17/2029 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	
16. Location(s) Inspected List: Main Hospital: 5425 Victory Dr., Indianapolis, IN 46203					
17. Scope and Observations: <p>This was an unannounced, routine inspection of a multi-specialty veterinary hospital authorized to use Iodine-131 (I-131) for the treatment of thyroid disease in felines at a facility in Indianapolis, Indiana. The licensee employed three full-time veterinarians who served as authorized users of licensed material. Four veterinary assistants supported the authorized users. The licensee obtained its I-131 in liquid form, dispensed in a unit dose syringe, from a licensed radiopharmacy. Feline treatments were administered subcutaneously (on Mondays or Tuesdays) with unit dosages of I-131 based on the patient's weight (typically 3-5 mCi), with maximum dose of 5 mCi. The veterinary hospital administered 4-5 feline patient treatments per month. After administration of I-131, the feline patients were kept in the hospital, segregated in shielded cages within a secured room for three days and released on the fourth day. The licensee released the feline patients to the owners on Thursday or Fridays of the same week with verbal and written instructions on radiation safety precautions, feeding, care, litter waste management, etc. The hospital returned used syringes to the radiopharmacy, and used decay-in-storage techniques for all other radioactive waste.</p> <p>Performance Observations:</p> <p>This inspection consisted of interviews with licensee personnel; a review of selected records; a tour of the hot lab, feline patient housing, and waste storage areas; and independent measurements. The inspection included observations of security of licensed material, use of personnel monitoring and protective clothing, area surveys, and packaging of radioactive waste for decay in-storage. The inspector had the staff demonstrate: (1) package surveys and check-in procedures, (2) dose calibration and dose assay, and (3) area surveys and wipe tests. The staff described feline patient dose administration, housing after treatment, feeding the felines, cleaning cages, and performing surveys of the cages. The inspector conducted independent surveys of restricted and unrestricted areas and found no residual contamination or exposure to members of the public over regulatory limits. The inspector found the licensee's staff knowledgeable of radiation protection principles and regulatory requirements through these observations, demonstrations, and other discussions.</p> <p>The inspector reviewed the following records: sealed sources inventory and leak tests, radiation safety training, survey meter calibration, area surveys and wipe tests, feline patient release measurements, instrument quality</p>					

Materials Inspection Record (Continued)

control, dose administration, waste disposal, and dosimetry records.

The inspector identified a SLIV violation of 10 CFR 20.1101(c), related to the failure to perform an annual radiation protection program audit since the last inspection. The violation is cited in the NRC Form 591M. As corrective action, the licensee committed to complete the 2023 annual radiation protection program review within 60-days and ensured the radiation protection program will be reviewed annually.

Signature and Date - Branch Chief



 Digitally signed by RHEX EDWARDS
Date: 2024.05.07 20:01:05 -05'00'