



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION III
2443 WARRENVILLE RD. SUITE 210
LISLE, IL 60532-4352

July 15, 2022

Edwin M. Leidholdt, Ph.D. Director
National Health Physics Program (115 HP/NLR)
Department of Veterans Affairs
Veterans Health Administration
2200 Fort Roots Drive
Building 101
North Little Rock, AR 72114

**SUBJECT: NRC INSPECTION REPORT 03034325/2022010 (DNMS) – VA MEDICAL
CENTER, KANSAS CITY, MISSOURI**

Dear Dr. Leidholdt:

On May 18, 2022, the U.S. Nuclear Regulatory Commission (NRC) conducted a routine inspection at the VA Medical Center, Kansas City, Missouri. The inspection was limited to a review of activities authorized under Permit Number 24-00589-01. The inspector conducted an exit meeting with the management and staff at the facility at the completion of the inspection.

The inspection was an examination of activities conducted under the Permit as they relate to radiation safety and to compliance with the Commission's rules and regulations. Within these areas, the inspection consisted of selective examinations of procedures and representative records, interviews with personnel, independent measurements, and observation of activities in progress. Within the scope of the inspection no violations of NRC requirements were identified; therefore, no response to this letter or the enclosed NRC Form 591M is required.

In accordance with Title 10 of the Code of Federal Regulations (CFR) 2.390 of the NRC's "rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or the NRC's Agencywide Documents Access and Management System (ADAMS, accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>).

Should you have any questions concerning this inspection or the enclosed report, please contact Bryan Parker of my staff at 678-828-7050.

Sincerely,

**Michael M.
LaFranzo**

 Digitally signed by Michael M.
LaFranzo
Date: 2022.07.15 12:44:43 -05'00'

Michael LaFranzo, Acting Chief
Materials Licensing Branch
Division of Nuclear Materials Safety

Docket No. 030-34325
License No. 03-23853-01VA
Permit No. 24-00589-01

Enclosure:
IR 03034325/2022010



Materials Inspection Report

1. Licensee/Location Inspected: Department of Veterans Affairs Under Secretary of Health Washington, D.C. 20420 Location Inspected: Kansas City, Missouri Report Number(s) 2022-010	2. NRC/Regional Office Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. Docket Number(s) 030-34325	4. License Number(s) 03-23853-01VA	5. Date(s) of Inspection July 1, 2022

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)

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	Elizabeth Tindle-Engelmann	Elizabeth D. Tindle-Engelmann <small>Digitally signed by Elizabeth D. Tindle-Engelmann Date: 2022.07.06 08:19:49 -05'00'</small>
BRANCH CHIEF	Michael LaFranzo	Michael M. LaFranzo <small>Digitally signed by Michael M. LaFranzo Date: 2022.07.15 12:35:49 -05'00'</small>



Materials Inspection Record

1. Licensee Name: Department of Veterans Affairs		2. Docket Number(s): 030-34325		3. License Number(s) 03-23853-01VA	
4. Report Number(s): 2022-010			5. Date(s) of Inspection: July 1, 2022		
6. Inspector(s): Elizabeth Tindle-Engelmann		7. Program Code(s): 03614	8. Priority: 2	9. Inspection Guidance Used: 87130	
10. Licensee Contact Name(s): Clint Abell - Program Manager Douglas Miller - Permit RSO		11. Licensee E-mail Address: clinton.abell@va.gov douglas.miller4@va.gov		12. Licensee Telephone Number(s): 501-708-5013 816-861-4700	
13. Inspection Type:		14. Locations Inspected:		15. Next Inspection Date (MM/DD/YYYY):	
<input type="checkbox"/> Initial <input checked="" type="checkbox"/> Routine <input checked="" type="checkbox"/> Announced <input type="checkbox"/> Non-Routine <input type="checkbox"/> Unannounced		<input type="checkbox"/> Main Office <input checked="" type="checkbox"/> Field Office <input type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote		No Change <input type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input checked="" type="checkbox"/> No change	

16. Scope and Observations:

This was an announced routine inspection of Department of Veterans Affairs Master Materials License Permit Number 24-00589-01(KC-VA). The permittee was a medical facility located in Kansas City, Missouri, with authorization for medical use of radioactive materials pursuant to 10 CFR 35.100-300. The nuclear medicine department was staffed with four full-time nuclear medicine technologists and one nuclear medicine supervisor. The radiation safety officer was a full-time employee at this location who was supported by a consultant that was onsite quarterly to perform program reviews and equipment calibrations. The KC-VA administered approximately 10 diagnostic doses per day and 1 dose requiring a written directive per month. The department received unit doses of technetium-99m, fluorine-18, iodine-123, iodine-131, and indium-111 as needed from a licensed radiopharmacy. In the last two years, the permittee had a low volume of 10 CFR 35.300 procedures, however, they were interested in beginning use of lutetium-177 based radiotherapies in the future. Most waste was held for decay-in-storage. However, in April of 2022 the KC-VA worked with a waste broker to dispose of various long-lived radioactive waste.

The inspector toured the facilities and observed camera quality control testing, dose calibrator quality control testing, dose preparation and administration for PET and SPECT studies, material security, package receipt surveys, survey meter quality control testing, and well counter quality assurance testing. The staff demonstrated spill response procedures and discussed their training program. Interviews with licensee personnel indicated adequate knowledge of radiation safety and security concepts and the associated procedures. The inspector reviewed the following records: area surveys, dose calibrator calibrations, package receipt, patient release instructions, program reviews, sealed source leak tests and inventories, survey meter calibrations, training, waste manifests, and written directives. The inspector performed independent and confirmatory radiation measurements using a RadEye G (serial number: 30337, calibration expiration: 03/29/2023); the results were consistent with the licensee's survey records and postings.

No violations were identified as a result of this inspection. The inspector conducted an exit meeting with the RSO, representatives of the site's management, and a representative of the National Health Physics Program immediately following the inspection.