



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION III
2443 WARRENVILLE RD. SUITE 210
LISLE, IL 60532-4352

July 15, 2016

Mr. Craig Adams, Director
National Health Physics Program (115 HP/NLR)
Department of Veterans Affairs
Veterans Health Administration
2200 Fort Roots Drive
North Little Rock, AR 72114

**SUBJECT: NRC INSPECTION REPORT 03034325/2016006(DNMS) – VA MEDICAL
CENTER, FAYETTEVILLE, NORTH CAROLINA**

Dear Mr. Adams:

On June 22, 2016, the U.S. Nuclear Regulatory Commission (NRC) conducted a routine inspection at the VA Medical Center, Fayetteville, North Carolina. The inspection was limited to a review of activities authorized under Permit Number 32-13654-01. 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's Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC's website at <http://www.nrc.gov/reading-rm/adams.html>.

C. Adams

-2-

Should you have any questions concerning this inspection or the enclosed report, please contact Kevin Null of my staff at (630) 829-9854.

Sincerely,



Patricia J. Pelke, Chief
Materials Licensing Branch
Division of Nuclear Materials Safety

Docket No. 030-34325
License No. 03-23853-01VA
Permit No. 32-13654-01

Enclosure:
IR 03034325/2016006(DNMS)

C. Adams

-2-

Should you have any questions concerning this inspection or the enclosed report, please contact Kevin Null of my staff at (630) 829-9854.

Sincerely,

/RA/

Patricia J. Pelke, Chief
Materials Licensing Branch
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Enclosure:
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|--------|-------------|-----------|-----------|------|
| OFFICE | RIII-DNMS | RIII-DNMS | RIII-DNMS | RIII |
| NAME | TWeidner:ps | KNull | PJPelke | |
| DATE | 7/15/2016 | 7/15/2016 | 7/15/2016 | |

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SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

| | |
|---|---|
| <p>1. LICENSEE/LOCATION INSPECTED: Department of Veterans Affairs Under Secretary for Health Washington, D.C. Location: VA Medical Center, Fayetteville, NC REPORT NUMBER(S) 2016006</p> | <p>2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352</p> |
|---|---|

| | | |
|---|--|--|
| <p>3. DOCKET NUMBER(S) 030-34325</p> | <p>4. LICENSE NUMBER(S) 03-23853-01VA</p> | <p>5. DATE(S) OF INSPECTION June 22, 2016</p> |
|---|--|--|

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. 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, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, to exercise discretion, were satisfied.

_____ Non-cited violation(s) were discussed involving the following requirement(s):

- 4. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements and 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 | DATE |
|---------------------------|-------------------|-----------|-----------|
| LICENSEE'S REPRESENTATIVE | | | |
| NRC INSPECTOR | Tara L. Weidner | | 7/15/2014 |
| BRANCH CHIEF | Patricia J. Pelke | | 7/15/2014 |

Docket File Information

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

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| 3. DOCKET NUMBER(S) 030-34325 | 4. LICENSE NUMBER(S) 03-23853-01VA | 5. DATE(S) OF INSPECTION June 22, 2016 |
| 6. INSPECTION PROCEDURES USED 87130 | 7. INSPECTION FOCUS AREAS All | |

SUPPLEMENTAL INSPECTION INFORMATION

| | | | |
|-----------------------------|------------------|---|---------------------------------------|
| 1. PROGRAM CODE(S) 02121 | 2. PRIORITY 3 | 3. LICENSEE CONTACT Craig Adams (NHPP) | 4. TELEPHONE NUMBER (501) 257-1573 |
|-----------------------------|------------------|---|---------------------------------------|

| | | | |
|---|--|-----------------------|-----|
| <input type="checkbox"/> Main Office Inspection | | Next Inspection Date: | N/A |
| <input checked="" type="checkbox"/> Field Office Inspection | | Fayetteville, NC | |
| <input type="checkbox"/> Temporary Job Site Inspection | | | |

PROGRAM SCOPE

This was a routine unannounced inspection of a permittee under the VA master materials license authorized for 35.100, 35.200, gadolinium-153, and iodine-125. There were three full-time nuclear medicine technologists (NMT), operating three cameras. The nuclear medicine clinic performed the full range of diagnostic procedures, however the majority of the studies were bone scans and cardiac studies. Approximately 15 studies were performed per day. The permittee used technetium-99m unit dosages supplied by Shertech in Kernersville, NC. All dosages were assayed in the dose calibrator prior to administration, and the dose calibrator quality control was performed in accordance with the manufacturer's instructions. The hot lab was secured by a key pad entry. All areas of use and storage were found to be properly posted and all permitted material was appropriately labeled. Instrumentation that was used to perform radiation surveys was calibrated, and the NMTs were knowledgeable of the operation. Radiation area surveys were performed daily, and contamination surveys were done weekly. All of the NMTs wore lab coats, gloves, and whole body/ring dosimeters. Dosimetry was provided by Landauer and exchanged on a monthly basis. Dosimetry results were maintained by the Radiation Safety Officer (RSO) and provided to the NMTs each month. The RSO is an authorized users and is on-site daily.

The current permit also authorized the facility for gadolinium-153 sealed sources and 1 millicurie of iodine-125, both for storage only incident to disposal. According to an NMT, the gadolinium-153 sources were transferred to an authorized recipient in 2013. The RSO indicated that the iodine-125 sources were disposed of under the previous RSO. The permit expires in November 2016, and the permittee plans to have the material removed from their permit when they submit their application for renewal.

Within the scope of this inspection, no violations were identified.