

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Department of the Army Commander USA MEDDACATTN: MCXP PMD RP 126 Missouri Avenue, Room 124-08/Box 1232 Fort Leonard Wood, Missouri 65473 REPORT NUMBER(S) 2016-001		2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352
3. DOCKET NUMBER(S) 030-08561	4. LICENSE NUMBER(S) 24-15095-01	5. DATE(S) OF INSPECTION May 20, 2016

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.

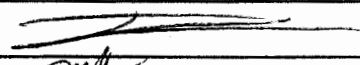

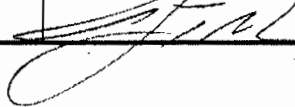
Non-cited violation(s) were discussed involving the following requirement(s):

- ☒ 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)
Title 10 of the Code of Federal Regulations (CFR) 35.60(b) requires, in part, that a licensee shall calibrate the instrumentation required in paragraph (a) of this section in accordance with nationally recognized standards or the manufacturer's instruction.

License condition 14.A. Application dated May 31, 2013, Item 9.3 Dose Calibrator Calibration, states that equipment used to measure dosages will be calibrated in accordance with manufactures instructions.

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	Timothy E. James		6/8/2016
NRC INSPECTOR	Luis Nieves Folch		6/7/2016
BRANCH CHIEF	Aaron T. McCraw		6/8/16

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Region III
U. S. Nuclear Regulatory Commission
2443 Warrenville Road, Suite 210
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(Continued)

According to the manufacture a sealed source is to be used to calibrate the dose calibrator daily prior to using the equipment. (i.e., constancy check)

Contrary to the above, on multiple occasions including May 13 and 14, of 2016, the licensee did not calibrate their dose calibrator prior to using it as suggested by the manufacturer's instructions.

The causes of the violation were that a nuclear medicine technologist forgot to perform the calibrations of the equipment and was unaware of the requirement. As corrective action, (1)the licensee committed to retrained the two nuclear medicine technologist and the pharmacist, (2) the RSO will call the manufacture to attempt to program the dose calibrator to ask for a calibration every day prior to using it.

Docket File Information

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6. INSPECTION PROCEDURES USED

87131

7. INSPECTION FOCUS AREAS

03.01-03.08

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)

02120

2. PRIORITY

3

3. LICENSEE CONTACT

Timothy James, M.ED

4. TELEPHONE NUMBER

(573) 596-9879

☒ Main Office Inspection Next Inspection Date: May 20, 2019

☐ Field Office Inspection _____

☐ Temporary Job Site Inspection _____

PROGRAM SCOPE

This was an unannounced routine inspection of a hospital located at Fort Leonard Wood and performs activities authorized by 10 CFR 35.100, 35.200, and 35.300. The licensee employees one full time nuclear medicine technologists, one full time pharmacists, and the radiation safety officer. The licensee performs 6-8 studies/day, which were primarily bone scans with an occasional HIDA scan, and cardiac stress test. The licensee had administered 2-3 I-131 for hyperthyroidism per year. The licensee uses all unit doses received from a local nuclear pharmacy.

PERFORMANCE OBSERVATIONS

The inspector tour the facility and observe one bone scan, and one cardiac stress test. The licensee's staff demonstrated/discussed: (1) dose calibrator checks (daily constancy, quarterly linearity, annual accuracy); (2) package receipt surveys; (3) daily surveys; (4) weekly wipes; (5) sealed source inventory and leak testing; (6) survey instrument checks and calibration; (7) security and storage of radioactive materials; (8) proper handling of radioactive materials, including the wearing of appropriate dosimetry; (9) waste storage and disposal; and (10) radiation safety program audits. The inspector reviewed the following records or documents: (1) package receipt and return; (2) daily survey and weekly wipes results; (3) dose calibrator annual accuracy, quarterly linearity and daily constancy checks; (4) survey meter calibration; (5) annual audit; (6) hazmat training; (7) written directives; and (8) dosimetry. The inspector performed independent measurements, which were comparable with licensee survey data.

One violation was identified during this inspection, concerning the daily calibration/constancy test done prior to using the dose calibrator. The licensee committed to re trained the technologists as part of their corrective actions, and to attempt to program the dose calibrator to ask for a calibration every day prior to using it.

Nieves Folch, Luis

From: Nieves Folch, Luis
Sent: Wednesday, June 08, 2016 2:29 PM
To: 'timothy.e.james.mil@mail.mil'
Subject: NRC Inspection Report 591
Attachments: image2016-06-08-150749.pdf

Mr. James

Attached is the inspection report with the violation that we previously discussed.

Luis

-----Original Message-----

From: NRCDigitalSender@nrc.gov [mailto:NRCDigitalSender@nrc.gov]
Sent: Wednesday, June 08, 2016 2:08 PM
To: Nieves Folch, Luis <Luis.NievesFolch@nrc.gov>
Subject:

This document was digitally sent to you using Dell Digital Sending device.