

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

St. Mary's Health Center
100 St. Mary's Medical Plaza
Jefferson City, MO 65101

REPORT NUMBER(S) 2014-001

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

030-12819

4. LICENSE NUMBER(S)

24-17477-01

5. DATE(S) OF INSPECTION

APRIL 3, 2014

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	Ryan Craffey		4/3/14
BRANCH CHIEF	Aaron McCraw		4/7/14

Docket File Information**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

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April 3, 2014

6. INSPECTION PROCEDURES USED

87131

7. INSPECTION FOCUS AREAS

All

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)

02120

2. PRIORITY

3

3. LICENSEE CONTACT

Jeffrey L. Patrick, M.D. - RSO

4. TELEPHONE NUMBER

(573) 761-7000

☒ Main Office Inspection

Next Inspection Date: April 3, 2017

☐ Field Office Inspection☐ Temporary Job Site Inspection**PROGRAM SCOPE**

This was a routine inspection of a 170-bed hospital in Jefferson City, Missouri, with authorization to use byproduct material for administrations under 10 CFR 35.100 and 35.200, 35.300, and in vitro studies using prepackaged kits under 31.11. The nuclear medicine lab, located in the imaging department, has one full-time and three part-time nuclear medicine technologists on staff to perform approximately 25 diagnostic administrations per week, Mondays through Fridays. The lab also performed 8 therapeutic administrations in 2013, and one to date in 2014. The lab conducts a variety of diagnostic procedures using unit doses of primarily Tc-99m, as well as therapeutic administrations using I-131 in capsule form and Sm-153 in liquid form. The lab also maintains a bulk dose of Tc-99m when on-call. The licensee retains the services of a medical physics consultant to perform quarterly audits, instrument calibrations, inventories and leak tests. The hospital is planning on relocating to a new facility in fall 2014, and intends to submit a renewal application requesting authorization for two locations of use to accommodate the move.

PERFORMANCE OBSERVATIONS

The inspector toured the nuclear medicine lab and waste storage room to evaluate the licensee's measures for security, hazard communication and exposure control. The inspector observed the preparation and administration of one bone scan and one stress test, both using Tc-99m. The inspector conducted independent and confirmatory surveys and found no exposures to members of the public above limits. The technologist on staff demonstrated implementation of procedures for package receipt, area surveys, contamination control, spill response and waste handling. The technologist demonstrated adequate knowledge of radiation protection principles and licensee procedures.

The inspector reviewed the licensee's procedures and documentation for the administration of radiopharmaceuticals requiring a written directive, and verified that they provided high confidence that the patient's identity was verified before each administration, and that each administration was in accordance with the written directive. The inspector also reviewed a selection of licensee records for quarterly and annual audits, radiation safety committee meeting minutes, dosimetry, package receipt, area surveys, waste handling and hazmat training.

No violations of NRC requirements were identified as a result of this inspection.