

## SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

## 1. LICENSEE/LOCATION INSPECTED:

Phelps County Regional Medical Center  
1000 West 10th Street  
Rolla, MO 65401

REPORT NUMBER(S) 2018001

## 2. NRC/REGIONAL OFFICE:

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

## 3. DOCKET NUMBER(S)

030-14804

## 4. LICENSE NUMBER(S)

24-18295-01

## 5. DATE(S) OF INSPECTION

JANUARY 24, 2018

## 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:

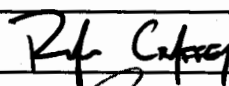
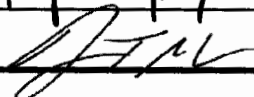
- ☒ 1. Based on the inspection findings, no violations were identified.
- ☐ 2. Previous violation(s) closed.
- ☐ 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was 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		1/24/18
BRANCH CHIEF	Aaron McCraw		02/05/2018

**Docket File Information**

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January 24, 2018

6. INSPECTION PROCEDURES USED

87131, 87132

7. INSPECTION FOCUS AREAS

All

**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)

02230

2. PRIORITY

2

3. LICENSEE CONTACT

Christopher Spencer, MD - RSO

4. TELEPHONE NUMBER

(855) 406-3324

☒ Main Office Inspection Next Inspection Date: 01/24/2020

☒ Field Office Inspection 1060 West 10th Street, Rolla, MO

☐ Temporary Job Site Inspection

**PROGRAM SCOPE**

This was an unannounced routine inspection of a 242-bed hospital authorized to use byproduct material for medical purposes at its facilities in Rolla, Missouri. At the main hospital (1000 West 10th), the two full-time and one part-time technologists performed around ten diagnostic administrations per day using Tc-99m and occasional TI-201 unit doses. At the cancer center (1060 West 10th), one primary AU and one primary AMP performed 2-3 fractionated HDR treatments per week (gynecological only), while one full-time and one part-time technologists performed 3-4 diagnostic administrations per day using F-18 FDG unit doses, 1-2 therapeutic administrations of I-131 per month, and 1-2 courses of Xofigo per year. Since the last inspection, the licensee had occupied and begun treating patients at its new cancer center, and at the time of this inspection, had just begun remodeling its main nuclear medicine department.

**PERFORMANCE OBSERVATIONS**

The inspector toured both locations of use in Rolla to evaluate the licensee's measures for materials security, hazard communication and exposure control. The cancer center matched the description provided by the licensee in its amendment request dated October 17, 2016. The inspector performed independent and confirmatory surveys of both facilities, and observed the administration of two cardiac stress tests and one HIDA scan at the main hospital. The licensee's staff demonstrated the implementation of procedures for package receipt, area surveys, and HDR spot checks, and discussed the implementation of procedures for decay-in-storage waste handling as well as HDR full calibrations, treatment planning, administration, and emergency response. Through these observations, demonstrations, and discussions, the inspector found the staff to be knowledgeable of radiation protection principles and NRC regulations.

The inspector reviewed a selection of records, including semi-annual RSC meeting minutes, quarterly health physics audits, personnel dosimetry reports, routine nuclear medicine records, hazmat refresher training materials, documentation of HDR spot checks, full calibrations, and annual training, as well as written directives and associated treatment planning and verification documentation for HDR, I-131, and Xofigo administrations.

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