

## SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Marion General Hospital  
441 North Wabash Avenue  
Marion, IN 46952

REPORT NUMBER(S) 2019001

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

030-13726

4. LICENSE NUMBER(S)

13-17956-01

5. DATE(S) OF INSPECTION

October 25, 2019

## 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 violations(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	Edward F. Harvey	<i>Edward Harvey</i>	10/25/2019
BRANCH CHIEF	Robert Ruiz	<i>Robert J. Battone, Jr. for R.R.</i>	10/30/2019

## Docket File Information

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## 6. INSPECTION PROCEDURES USED

87131

## 7. INSPECTION FOCUS AREAS

All

## SUPPLEMENTAL INSPECTION INFORMATION

## 1. PROGRAM CODE(S)

02120

## 2. PRIORITY

3

## 3. LICENSEE CONTACT

Dakshesh Patel, MD, RSO

## 4. TELEPHONE NUMBER

(740) 383-8400

- ☒ Main Office Inspection  
☐ Field Office Inspection  
☐ Temporary Job Site Inspection

Next Inspection Date: August 30, 2022

## PROGRAM SCOPE

This was an unannounced routine inspection of a licensee who operated two medical facilities in Marion, Indiana, authorized to use byproduct material for diagnostic and therapeutic medical procedures under 10 CFR 35.100, 200, and 300. The licensee employed three full-time and one part-time nuclear medicine technologists. At the Bella Drive location, the technologist typically conducted 55 diagnostic administrations of F-18 and three lymphoscintigraphy procedures per month. At the main location, nuclear medicine staff typically administered 105 diagnostic doses monthly and less than 10 therapeutic administrations per year. The licensee retained the services of a medical physics consultant to perform quarterly audits of their nuclear medicine department. Licensed activities were performed Monday through Friday.

The inspector toured the licensee's facility in Marion to evaluate the licensee's measures for material security, hazard communication, and exposure control. The inspector observed one diagnostic administration of licensed material for a hepatobiliary study and noted that the NMT wore dosimetry and appropriate personal protective equipment, assayed the dose, and verified patient identity prior to the administration. The inspector observed the NMT demonstrate package receipt procedures, dose calibrator quality control, and area survey procedures. The NMT also demonstrated adequate knowledge of radiation protection principles and emergency procedures through interviews with the inspector.

The inspector reviewed a selection of licensee records, including quarterly audits, source inventories, survey meter calibration records, package receipt logs, written directives, and dosimetry with no issues noted. In addition, the inspector performed independent surveys, which revealed no readings that would indicate residual contamination or exposures to members of the public in excess of regulatory limits.

No violations of NRC requirements were identified during this inspection.