

(07-2012)
10 CFR 2.201

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Mercy Health Partners
1440 E. Sherman Blvd..
Muskegon, MI 49441

REPORT NUMBER(S) 2019-001

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

030-02016

4. LICENSE NUMBER(S)

21-02187-01

5. DATE(S) OF INSPECTION

2/11/19

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:

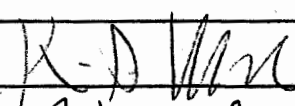
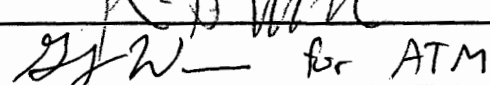
- ☒ 1. Based on the inspection findings, no violations were identified.
- ☐ 2. Previous violation(s) closed.
- ☐ 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was 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	Kevin G. Null		2/11/19
BRANCH CHIEF	Aaron T. McCraw	 for ATM	2/26/19

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

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5. DATE(S) OF INSPECTION

February 11, 2019

6. INSPECTION PROCEDURES USED

87131 and 87132

7. INSPECTION FOCUS AREAS

All

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)

02230

2. PRIORITY

2

3. LICENSEE CONTACT

Joe Haywood

4. TELEPHONE NUMBER

(231) 672-2019

☒ Main Office Inspection

Next Inspection Date: 02/11/2021

☒ Field Office Inspection 2525 Roberts, Muskegon, MI☐ Temporary Job Site Inspection**PROGRAM SCOPE**

This was a routine, unannounced inspection of a medical institution that was authorized for material in 10 CFR Part 35, Sections 35.100, 200, 300, iodine-125 and palladium-103 seeds permitted by Section 35.400, and a high dose rate afterloader (HDR) permitted in Section 35.600. The licensee had four locations of use authorized on the license. The licensee employed five full-time certified nuclear medicine technologists (CNMT's) and performed 7 - 10 diagnostic studies per week at the main hospital located at 1500 East Sherman Blvd. This location had one hot lab, two imaging cameras, and a cardiac stress room. The licensee also performed radiopharmaceutical and HDR therapy procedures at this location as well. Cardiac imaging studies were also conducted at 2525 Roberts in Muskegon. Three part-time and one full-time CNMT's worked at this location, which had one hot lab and an imaging room. Both locations used unit doses purchased from a local radiopharmacy. The licensee contracted for quarterly audits conducted by a medical physics consultant.

Performance Observations

The inspector toured the nuclear medicine departments located at 1500 E. Sherman Blvd. and 2525 Roberts, Muskegon, Michigan, and observed adequate security of license material, calibrated survey meters and dose calibrators, and the CNMT's use of protective clothing and dosimetry and safe handling/measurement of unit doses. Two CNMT's also demonstrated how daily and weekly surveys were conducted. The inspector reviewed records pertaining to daily/weekly area surveys, dose calibrator constancy checks, dosimetry, radioactive materials package receipt, a written directive (WD) and treatment plan for an iodine-125 prostate treatment, and a random selection of WD's and treatment plans for several HDR treatments that were performed since the last inspection. The licensee's medical physicist demonstrated the spot checks that were performed of the HDR unit and treatment room before each use on a given day, and described the quarterly calibration of the device. The inspector also reviewed a random selection of records pertaining to these activities.

No violations of NRC requirements were identified.