

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Riverview Health
395 Westfield Road
P.O. Box 220
Noblesville, IN 46060

REPORT NUMBER(S) 2020-001

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

030-10729

4. LICENSE NUMBER(S)

13-16286-01

5. DATE(S) OF INSPECTION

1/7/2020

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:

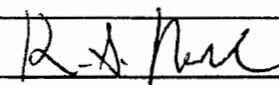
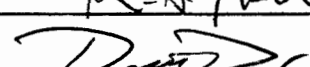
- ☒ 1. Based on the inspection findings, no violations were identified.
- ☒ 2. Previous violation(s) closed.
- ☐ 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was 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		1/7/2020
BRANCH CHIEF	Robert Ruiz		1/28/20

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

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January 7, 2020

6. INSPECTION PROCEDURES USED

87131

7. INSPECTION FOCUS AREAS

All

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)

2120

2. PRIORITY

3

3. LICENSEE CONTACT

Lisa Barnes, Supervisor of Nuc Med

4. TELEPHONE NUMBER

(317) 773-0760

- ☒ Main Office Inspection Next Inspection Date: 01/07/2023
- ☐ Field Office Inspection _____
- ☐ Temporary Job Site Inspection _____

PROGRAM SCOPE

This was a routine, unannounced inspection of a nuclear medicine department that was authorized to use material described in 10 CFR 35.100, 35.200, 35.300, and in vitro studies described in 10 CFR 31.11. The licensee employed 2 full-time certified nuclear medicine technologists (CNMT's) who performed 5-10 diagnostic studies per week, and 2-3 iodine-131 (I-131) therapy procedures each month. The licensee received unit doses from a local radiopharmacy and administered I-131 in capsule form only. Diagnostic procedures were conducted using 2 cameras in 2 imaging rooms. The licensee contracted with a medical physics consultant who performed quarterly audits of the radiation protection program.

Performance Observations

The inspector followed-up on a violation that was issued from the last inspection pertaining to a failure to provide hazmat training at least once every three years as required in 10 CFR 71 and 49 CFR 172. The licensee took immediate corrective action and provided training in March of 2017. Training is now provided by the consultant on an annual basis. This violation is considered closed. The inspector observed the CNMT's perform and/or describe a variety of health physics functions, including daily dose calibrator QA/QC, package receipt procedures, daily and weekly department surveys, and dosage prep and injection. A CNMT also performed a physical inventory of sealed sources. The inspector noted that the CNMT's wore protective clothing while handling licensed material, utilized whole body and extremity dosimetry, and conducted area surveys with calibrated instrumentation. The inspector reviewed records of annual refresher training for 2017, 2018, and 2019, dosimetry reports for 2018 and 2019, the licensee's radiation protection procedure manual, and a random selection of package survey records, dose calibrator QA/QC records, written directives, and records of daily and weekly area surveys.

No violations of NRC requirements were identified.