

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Clark Memorial Hospital
1220 Missouri Ave.
Jeffersonville, IN 47130

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)

030-01658

4. LICENSE NUMBER(S)

13-12367-01

5. DATE(S) OF INSPECTION

July 18, 2019, with in-office
review through July 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 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.

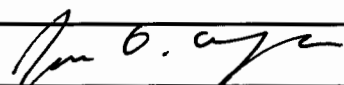

Non-cited violation(s) were discussed involving the following requirement(s):

Corrected to include closure of previous violation

- ☐ 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	Jason D. Draper, Health Physicist		8/20/19
BRANCH CHIEF	Aaron T. McCraw		8/20/19

Docket File Information

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6. INSPECTION PROCEDURES USED

87131

7. INSPECTION FOCUS AREAS

03.01-03.09, as applicable

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)

02120

2. PRIORITY

3

3. LICENSEE CONTACT

Daniel Altman, M.D., RSO

4. TELEPHONE NUMBER

(502) 500-8897

☒ Main Office Inspection

Next Inspection Date: 07/18/2022

☐ Field Office Inspection

☐ Temporary Job Site Inspection

PROGRAM SCOPE

This was an unannounced, routine inspection of a hospital nuclear medicine department in Jeffersonville, Indiana, authorized by their license to use byproduct material permitted by 10 CFR 35.100, 35.200, and 35.300. The licensee was also authorized a higher possession limit for materials permitted by 10 CFR 31.11, but the licensee did not perform in-vitro studies. In addition, the licensee was authorized to possess, but not use, a strontium-90 sealed source, incident to disposal. At the time of the inspection, the licensee employed three nuclear medicine technologists (NMTs) who performed diagnostic administrations to approximately 10-12 patients per day, as well as administered iodine-131 pills for thyroid therapies to approximately two patients per month. The licensee's radiation safety committee met quarterly, and the licensee's radiation safety program was reviewed semi-annually by a medical physics consultant.

PERFORMANCE OBSERVATIONS

The inspector toured the nuclear medicine department to observe material security, postings, and any other potential hazards to the material. The inspector also performed independent surveys of the area and did not identify any radiation readings that would indicate contamination. The licensee did not have any therapies scheduled for the day, but the inspector observed four administrations of technetium-99m radiopharmaceuticals for cardiac tests and a lung perfusion test. The inspector also interviewed two of the NMTs with respect to material handling, surveys, and emergency procedures, and through the observations and interviews, found them to be knowledgeable of radiation safety principles and licensee procedures. The inspector reviewed a selection of records including written directives and patient release documentation, leak tests, surveys, instrumentation calibration and testing, personnel dosimetry, radiation safety committee minutes, and periodic program reviews, and did not identify any issues.

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

In Inspection Report 2013-001, the NRC issued the licensee a Notice of Violation of 10 CFR 71.5(a) and 49 CFR 172.704(c) for failure to provide hazmat employees with hazmat training at least once every three years. During this inspection the inspector verified that all hazmat employees of the licensee had received hazmat training in the previous three years, and that the licensee provided hazmat training annually. This violation is closed.

OLP
8/20/19

Draper, Jason

From: Draper, Jason
Sent: Tuesday, August 20, 2019 12:58 PM
To: 'Daniel Altman'
Cc: 'Sarah Hughes'
Subject: RE: Re: NRC Form 591M, Clark Memorial Hospital
Attachments: SKM_C45819082013530.pdf

Dr. Altman,

Attached is the corrected Inspection Report for my inspection. Please review and keep this document for your records and destroy any previous versions you have. Again, there is no response required, though I would appreciate another email confirming that you have received the document. Let me know if you have any questions.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this report will be made available electronically for public inspection in the NRC's Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC's website at <http://www.nrc.gov/reading-rm/adams.html>.

Jason Draper
Health Physicist (Inspector)
NRC/RIII/DNMS/MIB
(630) 829-9839
jason.draper@nrc.gov

From: Draper, Jason
Sent: Monday, August 19, 2019 1:58 PM
To: Daniel Altman <danieljaltman@gmail.com>
Cc: Sarah Hughes <sarahch72@yahoo.com>
Subject: RE: Re: NRC Form 591M, Clark Memorial Hospital

Dr. Altman,

Sorry for the mistake, but I just realized I omitted something from the inspection report I sent you this morning. Specifically, I failed to check the box for "Previous violation(s) closed." Back in 2013, you received a Notice of Violation for nuclear medicine technologists not having received the required hazmat training at least once in the previous three years. When violations are identified, we follow them up on a future inspection to verify that the violations were corrected and have not recurred. During my inspection, I was able to verify that your nuclear medicine technologists have received hazmat training, so I was able to close the violation, but I neglected documenting that appropriately on the report I sent to you.

Please disregard the report I sent to you this morning and destroy any physical copies you have made. I hope to have a corrected inspection report to you by the end of this week.

I left a voicemail with you explaining this as well. If you have any questions, feel free to contact me.

Thanks,
Jason

From: Daniel Altman <danieljaltman@gmail.com>
Sent: Monday, August 19, 2019 11:51 AM
To: Draper, Jason <Jason.Draper@nrc.gov>
Subject: [External_Sender] Re: NRC Form 591M, Clark Memorial Hospital

Received. Thank you.

On Aug 19, 2019, at 10:41 AM, Draper, Jason <Jason.Draper@nrc.gov> wrote:

Dr. Altman,

As we discussed in our telephone call on Thursday, July 25, 2019, attached is the inspection report for the routine NRC inspection I performed at your facility in Jeffersonville, Indiana, on July 18, 2019. Please review and keep this document for your records. There is no response required, though I would appreciate an email confirming that you have received the document. Let me know if you have any questions.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter, its enclosure, and your response, if you choose to provide one, will be made available electronically for public inspection in the NRC's Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC's website at <http://www.nrc.gov/reading-rm/adams.html>. To the extent possible, your response should not include any personal privacy, proprietary, or safeguards information so that it can be made publicly available without redaction.

Jason Draper
Health Physicist (Inspector)
NRC/RIII/DNMS/MIB
(630) 829-9839
jason.draper@nrc.gov

<NRC 591M - Clark Memorial Hospital signed.pdf>