

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Hannibal Regional Hospital
6000 Hospital Drive
Hannibal, Missouri 63401

REPORT NUMBER(S) 15-001

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

030-17616

4. LICENSE NUMBER(S)

24-18988-01

5. DATE(S) OF INSPECTION

October 19, 2015

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:

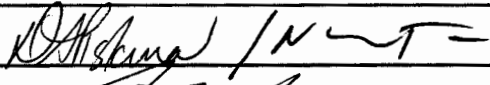
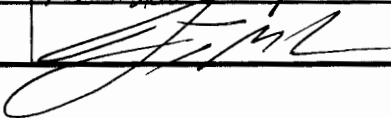
- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is 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	Deborah A. Piskura/Navid Tehrani		10/19/15
BRANCH CHIEF	Aaron McCraw		11/10/15

Docket File Information

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6. INSPECTION PROCEDURES USED 87130 & 87131	7. INSPECTION FOCUS AREAS 03.01 - 03.07
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02120	2. PRIORITY 3	3. LICENSEE CONTACT Joel D. Hassien, M.D. - RSO	4. TELEPHONE NUMBER (573) 248-5312
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Main Office Inspection Next Inspection Date: 10/19/2018

Field Office Inspection _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

This was a routine inspection of a 85 bed hospital authorized to use byproduct material in Sections 35.100, 35.200, and 35.300. The nuclear medicine department performed between 40-50 diagnostic nuclear medicine procedures per month. Two full time nuclear medicine technologists performed patient procedures daily. The licensee obtained unit doses of licensed material from an area nuclear pharmacy; the licensee performed a full spectrum of diagnostic studies. The licensee administered several dosages of radioiodine (capsules only) annually. In 2014, the hospital administered two Ra-223 treatment series for metastatic bone disease. A contract physicist performed biannual program audits the radiation safety program.

At the time of this inspection, all diagnostic studies had already been administered; the inspectors were not able to observe any administrations of material. The inspectors reviewed select records, interviewed select staff, and performed independent surveys. The licensee demonstrated dose calibrator constancy checks, package receipt, daily surveys, and waste handling and disposal procedures. The inspectors also reviewed a select sampling of records for administrations requiring written directives. The inspectors observed licensed material was secured and not readily accessible to members of the general public. The licensee possessed a radiation survey meter that was calibrated and operational. Personnel whole body and extremity dosimetry based were observed being worn by the staff during the inspection, and records confirmed that exposures were within Part 20 limits.

The inspectors reviewed a Severity Level IV violation and one Non-Cited Violation identified during the previous inspection (12/12/12). The violation involved the licensee's failure to administer a dosage within 20% of the prescribed dosage (10 CFR 35.63). The licensee's corrective actions included revising their policies on administrations requiring a written directive and training the staff. The NCV involved the licensee's failure to only allow authorized physicians to sign and date written directives. The licensee submitted an amendment request to add this physician as an authorized user to its license. This violation and NCV are considered closed.

No violations of NRC requirements were identified during this inspection.