

(07-2012)
10 CFR 2.201

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Marion General Hospital
441 North Wabash Avenue
Marion, Indiana 46952

REPORT NUMBER(S) 2014001

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

March 25, 2014

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:

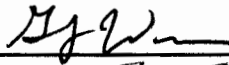
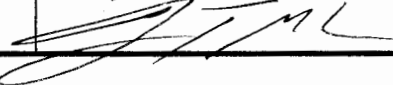
- ☒ 1. Based on the inspection findings, no violations were identified.
- ☐ 2. Previous violation(s) closed.
- ☐ 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was 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	Geoffrey M. Warren		3/25/14
BRANCH CHIEF	Aaron T. McCraw		4/4/14

Docket File Information

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Marion General Hospital
441 North Wabash Avenue
Marion, Indiana 46952

REPORT NUMBER(S) 2014001

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

March 25, 2014

6. INSPECTION PROCEDURES USED

87131, 87132

7. INSPECTION FOCUS AREAS

03.01 - 03.08; 03.01 - 03.08

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)

02120

2. PRIORITY

3

3. LICENSEE CONTACT

Richard Sanchez, M.D., RSO

4. TELEPHONE NUMBER

(765) 671-3008

☒ Main Office Inspection

Next Inspection Date: Mar. 2017

☒ Field Office Inspection 1410 W. Bella Drive, Marion IN

☐ Temporary Job Site Inspection

PROGRAM SCOPE

This was a routine, unannounced, inspection. The licensee operated two medical facilities in Marion, Indiana, performing activities under 10 CFR 35.100, 35.200, and 35.300. Licensed activities were conducted only at the locations indicated on the license. The licensee employed three nuclear medicine technologists, two of whom were working at most times at the hospital; the third worked at the Bella Drive location. At the 115-bed hospital, nuclear medicine staff typically administered 120 diagnostic doses monthly and 15 therapeutic procedures annually. Diagnostic procedures included a variety of imaging and uptake procedures, with doses received as unit doses or prepared from bulk technetium received from a licensed nuclear pharmacy. Therapeutic procedures included mostly iodine-131 in capsule form, though the licensee had recently begun administering radium-223 chloride.

At the Bella Drive location, the licensee operated a PET clinic and a breast clinic. The technologist typically administered 40 fluorine-18 FDG doses monthly and occasional technetium-99m doses for breast imaging using unit doses received from nuclear pharmacies. This facility, which had been added to the license since the previous inspection, was consistent with the map provided to the NRC.

While authorized to perform permanent implant brachytherapy under 35.400, the licensee had not performed any such procedures since before the 2008 inspection. Licensee personnel stated that they would retrain staff before restarting the program. Procedures would be performed by Ball Memorial Hospital oncologists and physicists.

Performance Observations: The inspector observed one diagnostic administration of licensed materials, including dose preparation and disposal. Licensee personnel demonstrated daily nuclear medicine QC procedures and daily and weekly contamination surveys, and described a variety of diagnostic and therapeutic procedures. The inspector noted no concerns with these activities. The inspector reviewed written directives for radiopharmaceutical therapies and identified no concerns. Interviews with licensee personnel indicated adequate knowledge of radiation safety concepts and procedures. Review of dosimetry records indicated no exposures of regulatory concern. Radiation Safety Committee minutes indicated good attendance and oversight of the radiation safety program. The inspector performed independent and confirmatory radiation measurements which indicated results consistent with licensee survey records and postings.