

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:
 Marion General Hospital
 441 North Wabash Avenue
 Marion, Indiana 46952
 REPORT NUMBER(S): 2011-001

2. NRC/REGIONAL OFFICE
 U.S. Nuclear Regulatory Commission, Region III
 2443 Warrenville Road, Suite 210
 Lisle, Illinois 60532

3. DOCKET NUMBER(S)
 030-13726

4. LICENSEE NUMBER(S)
 13-17956-01

5. DATE(S) OF INSPECTION
 Aug. 31, 2011

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, NUREG-1600, 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. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11

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	<i>[Signature]</i>	8/31/11
Branch Chief	Tamara E. Bloomer	<i>[Signature]</i>	9/19/11

Docket File Information
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6. INSPECTION PROCEDURES 87131	7. INSPECTION FOCUS AREAS 03.01 – 03.08
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM 02120	2. PRIORITY 3	3. LICENSEE CONTACT Richard Sanchez, M.D., RSO	4. TELEPHONE NUMBER 765-671-3008
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- Main Office Inspection Next Inspection Date: August 2014
 Field Office Inspection _____
 Temporary Job Site Inspection _____

PROGRAM SCOPE

The licensee was a 150-bed hospital located in Marion, Indiana, with authorization to use byproduct materials in Sections 35.100, 35.200, 35.300, and 35.400. Licensed activities were conducted only at the facilities identified on the license.

The nuclear medicine department was staffed with two full-time nuclear medicine technologists; one technologist would visit the Theatre Drive facility as needed. The licensee's nuclear medicine staff typically administered 100 diagnostic doses monthly and 10 iodine-131 therapy doses annually, with the iodine in capsule form. The diagnostic procedures were predominately technetium-99m bone, hepatobiliary, and lung imaging. The department received unit doses and bulk technetium-99m daily from a licensed nuclear pharmacy. All waste was either held for decay-in-storage (DIS) or returned to the radiopharmacy. According to the technologist, the only procedures performed at the Theatre Drive facility were sentinel node procedures, approximately once monthly. All other procedures had been consolidated to the main hospital; licensee personnel were considering closing and decommissioning this site.

No prostate implant procedures had been performed since the previous inspection. Licensee personnel stated that nuclear medicine and nursing staff would be retrained prior to reactivating the program. Medical and physics staff from Ball Memorial Hospital who perform such procedures routinely would perform the procedures at the hospital.

Performance Observations

The inspector observed two diagnostic administrations of licensed material, as well as dose calibrator constancy and package receipt surveys. Licensee personnel demonstrated survey meter QC, dose calibrator constancy, and a variety of nuclear medicine procedures. No issues were identified with these activities. The inspector reviewed written directives for radiopharmaceutical therapies and found no concerns. Interviews with licensee personnel indicated adequate knowledge of radiation safety concepts and procedures. The inspector performed independent and confirmatory radiation measurements which indicated results consistent with licensee survey records and postings.