

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Indiana University Health West Hospital
1111 Ronald Reagan Parkway
Avon, Indiana 46123

REPORT NUMBER(S) 2014001

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

030-36611

4. LICENSE NUMBER(S)

13-32526-01

5. DATE(S) OF INSPECTION

April 10, 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:

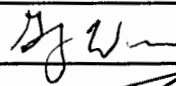
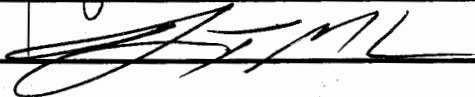
- ☒ 1. Based on the inspection findings, no violations were identified.
- ☐ 2. Previous violation(s) closed.
- ☐ 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was 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		4/10/14
BRANCH CHIEF	Aaron T. McCraw		4/11/14

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

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

3. DOCKET NUMBER(S)

030-36611

4. LICENSE NUMBER(S)

13-32526-01

5. DATE(S) OF INSPECTION

April 10, 2014

6. INSPECTION PROCEDURES USED

87130

7. INSPECTION FOCUS AREAS

03.01 - 03.08

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)

02121

2. PRIORITY

5

3. LICENSEE CONTACT

Robert T. Anger, RSO

4. TELEPHONE NUMBER

(317) 290-8900

☒ Main Office Inspection

Next Inspection Date: April 2019

☐ Field Office Inspection☐ Temporary Job Site Inspection**PROGRAM SCOPE**

This was a routine, unannounced, inspection. The licensee was a 127-bed hospital located in Avon, Indiana, with authorization to use byproduct materials in 10 CFR 35.100 and 35.200. Licensed activities were conducted only at the location indicated on the license. The nuclear medicine department was staffed with two full-time and one part-time nuclear medicine technologists. The staff typically administered 100 diagnostic doses monthly, including a variety of diagnostic imaging and uptake studies. The department received unit doses as needed from a licensed nuclear pharmacy. All waste was either held for decay-in-storage (DIS) or returned to the nuclear pharmacy.

The licensee was considering adding authorization for 10 CFR 35.300 activities in order to perform therapy procedures using radium-223 chloride.

Performance Observations: The inspector observed three diagnostic administrations of licensed material, including dose preparation and disposal, in addition to an area survey using a survey meter following a gastric emptying study. Licensee personnel demonstrated daily QC procedures and package receipt surveys and wipes, and described daily and weekly contamination surveys and additional diagnostic procedures. The inspector noted no concerns with these activities. Interviews with licensee personnel indicated adequate knowledge of radiation safety concepts and procedures. Dosimetry records indicated no exposures of regulatory concern. The inspector performed independent and confirmatory radiation measurements which indicated results consistent with licensee survey records and postings.

The RSO is the licensee's contractor physicist.