

## SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

## 1. LICENSEE/LOCATION INSPECTED:

Indiana University Health Arnett Hospital  
5165 McCarty Lane  
Lafayette, IN 47905

REPORT NUMBER(S) 2016-001

## 2. NRC/REGIONAL OFFICE

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

## 3. DOCKET NUMBER(S)

030-37189

## 4. LICENSE NUMBER(S)

13-32535-02

## 5. DATE(S) OF INSPECTION

April 29, 2016

## 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:

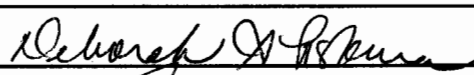
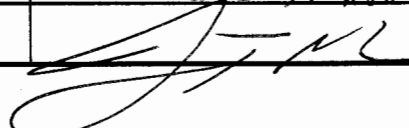
- ☒ 1. Based on the inspection findings, no violations were identified.
- ☐ 2. Previous violation(s) closed.
- ☐ 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was 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, Senior Health Physicist		4/29/16
BRANCH CHIEF	Aaron T. McCraw, Chief, MIB		5/6/16

*Docket File Information*

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  Indiana University Health Arnett Hospital 5165 McCarty Lane Lafayette, IN 47905  REPORT NUMBER(S) 2016-001		2. NRC/REGIONAL OFFICE  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S)  030-37189	4. LICENSE NUMBER(S)  13-32535-02	5. DATE(S) OF INSPECTION  April 29, 2016	
6. INSPECTION PROCEDURES USED  87130, 87131, & 87132	7. INSPECTION FOCUS AREAS  03.01 - 03.07		

**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  02240	2. PRIORITY  2	3. LICENSEE CONTACT  Joshua Nepute, M.D., RSO	4. TELEPHONE NUMBER  (765) 448-8122
<input checked="" type="checkbox"/> Main Office Inspection      Next Inspection Date: 04/29/2018			
<input type="checkbox"/> Field Office Inspection _____			
<input type="checkbox"/> Temporary Job Site Inspection _____			

**PROGRAM SCOPE**

This was a routine inspection of a community hospital (260 beds) authorized to use byproduct material in Sections 35.100, 35.200, 35.300, and Y-90 microspheres in the SIRSpheres brachytherapy delivery system. The licensee staffed its nuclear medicine department with three FT technologists who performed studies daily. The department administered approximately 200-250 patient studies per month which included a full spectrum of studies. The licensee received its material in unit dose form and bulk from a licensed radiopharmacy. The licensee administered 80-90 I-131 cases annually; the licensee obtained its radioiodine in capsule form. The licensee administered 7 SIRSpheres treatments in 2015; one case YTD 2016. The hospital retained the services of a consultant who performed quarterly audits of the radiation safety program (last 3/14/2016, with no findings).

This inspection consisted of interviews with licensee personnel, a review of selected records including dose worksheets and treatment plans for SIRSpheres cases, a tour of the nuclear medicine department, and independent measurements. The inspection included observations of dose calibrator QA checks, security of licensed material, and use of personnel monitoring. The inspector observed the licensee personnel prepare, assay and administer three unit doses for cardiac testing and bone imaging procedures.

No violations of NRC requirements were identified during this inspection.