

Docket File Information
SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Indiana University Health Arnett Hospital 5165 McCarty Ln. Lafayette, IN 47905 REPORT NUMBER(S) 2019001	2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352
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3. DOCKET NUMBER(S) 030-37189	4. LICENSE NUMBER(S) 13-32535-02	5. DATE(S) OF INSPECTION 12/6/2019, with in-office review through 1/29/2020
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6. INSPECTION PROCEDURES USED 87131	7. INSPECTION FOCUS AREAS 03.01-03.09
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02240	2. PRIORITY 2	3. LICENSEE CONTACT Danielle Owens, CNMT	4. TELEPHONE NUMBER (765) 256-0145
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Main Office Inspection Next Inspection Date: 12/06/2021

Field Office Inspection _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

This was an unannounced, routine inspection of a hospital in Lafayette, Indiana, authorized to use byproduct materials permitted by 10 CFR 35.100, 35.200, and 35.300 for diagnostic and therapeutic nuclear medicine procedures, as well as yttrium-90 microspheres for therapeutic administrations. At the time of the inspection, the licensee employed four full-time and two part-time nuclear medicine technologists (NMTs) who performed administrations of unit dosages of radiopharmaceuticals Monday through Friday. The licensee also trained five stress laboratory nurses to administer stress dosages of technetium-99m. The licensee performed diagnostic administrations for approximately 10-15 patients per day using primarily technetium-99m. The licensee also performed 80-100 iodine-131 administrations per year and had administered radium-223 dichloride to three patients and yttrium-90 microspheres to three patients since the last inspection. The licensee's radiation safety program was reviewed quarterly by a medical physics consultant. The inspector performed in-office review through January 29, 2020, to review regulatory guidance that was unavailable at the time of the inspection.

PERFORMANCE OBSERVATIONS

The inspector toured the nuclear medicine department to observe material security, postings, and any other potential hazards to the material. The inspector also performed independent surveys to verify there was no unidentified contamination. There were no therapeutic administrations during the inspection, so the inspector observed three diagnostic administrations of technetium-99m radiopharmaceuticals. The inspector also interviewed the NMTs with regard to radiation safety practices, emergency procedures, package receipt, instrument calibrations, and surveys. The inspector found the NMTs to be knowledgeable of radiation safety practices and the licensee's procedures. The inspector also reviewed a sample of records including written directives, patient release records, inventories, leak tests, equipment calibrations, surveys, dosimetry, radiation safety training, periodic programs reviews, and radiation safety committee meeting minutes, and did not identify any issues of more than minor regulatory concern.

No findings of significance were identified.

[Handwritten signature]
1/30/2020

Draper, Jason

From: Draper, Jason
Sent: Thursday, January 30, 2020 3:43 PM
To: jnepute@iuhealth.org; Owens, Danielle
Subject: NRC Form 591M - IU Health Arnett Hospital
Attachments: SKM_C45820013016320.pdf

Dr. Nepute,

As we discussed in our telephone call on January 29, 2020, attached is the inspection report for the routine NRC inspection I performed at your facility in Lafayette, Indiana, on December 6, 2019. Please review and keep this document for your records. There is no response required, though I would appreciate an email confirming that you have received the document. Let me know if you have any questions.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter, its enclosure, and your response, if you choose to provide one, will be made available electronically for public inspection in the NRC's Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC's website at <http://www.nrc.gov/reading-rm/adams.html>. To the extent possible, your response should not include any personal privacy, proprietary, or safeguards information so that it can be made publicly available without redaction.

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