



**Docket File Information**

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  Indiana University Health Bedford Hospital 2900 West Sixteenth Street Bedford, IN 47421  REPORT NUMBER(S) 2017001	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)  030-08108	4. LICENSE NUMBER(S)  13-14823-01	5. DATE(S) OF INSPECTION  November 1, 2017
6. INSPECTION PROCEDURES USED  87131	7. INSPECTION FOCUS AREAS  3.01-3.07	

**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  02120	2. PRIORITY  3	3. LICENSEE CONTACT  Sarah Pigmon, CNMT, RSO	4. TELEPHONE NUMBER  (812) 275-1200
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Main Office Inspection      Next Inspection Date: 10/30/2020

Field Office Inspection

Temporary Job Site Inspection

**PROGRAM SCOPE**

This was a routine inspection of a small county hospital (20 beds), authorized under to use byproduct materials for medical uses permitted by 10 CFR 35.100, 35.200, 35.300, and 31.11. The nuclear medicine department work hours are from 7:00AM- 3:30 PM, Monday through Friday. The nuclear medicine department was staffed with one full-time and one part-time nuclear medicine technologist (NMT) who performed approximately 50 diagnostic nuclear medicine procedures monthly. Doses were primarily technetium-99m for cardiac, bone scan, gall bladder, and other studies. The licensee received unit and bulk doses from a local radiopharmacy. No hyperthyroidism treatments have been performed since the last inspection.

**Performance Observations**

This inspection consisted of interviews with select licensee personnel; a tour of the nuclear medicine department; independent measurements; and a review of select records. The inspector observed one patient administration at the time of the inspection, including dose preparation. Interviews with licensee personnel indicated an adequate level of understanding of emergency and material handling procedures and techniques, and knowledge of radiation safety concepts. The licensee's staff discussed and/or successfully demonstrated (with no issues identified) the following: (1) package check-in procedures; (2) security of licensed material; (3) unit dose prep and safe use; (4) daily surveys and weekly wipe tests; (5) survey meter use and calibrations; (6) waste handling; (7) sealed source inventories and leak tests; (8) dose calibrator tests; (9) radiation safety program audits. (10) HAZMAT refresher training; (11) contamination events (none); and (12) dosimetry. An outside consultant performed quarterly program audits that appear to be adequate to maintain program compliance. Licensed material was observed as adequately secured during the review and was not readily accessible to members of the general public. Survey meters were found to be calibrated and operational. The inspector performed independent and confirmatory radiation measurements that indicated results consistent with licensee survey records and postings. Independent measurements taken did not indicate readings in excess of 10 CFR Part 20 limits in restricted or unrestricted areas. Personal dosimetry was observed being worn by the staff during the inspection. Dosimetry records reviewed for the previous years since the last inspection through YTD 2017 indicated whole body and extremity exposures <10% of the annual regulatory limits.

No violations of NRC regulatory requirements were identified within the scope of this inspection.