



Materials Inspection Report

1. Licensee/Location Inspected:

Dukes Health System, LLC
d/b/a Dukes Memorial Hospital
275 West 12th Street
Peru, IN 46970

2. NRC/Regional Office

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

Report Number(s) 2022-001

3. Docket Number(s)

030-14065

4. License Number(s)

13-18703-01

5. Date(s) of Inspection

August 22, 2022

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. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements, and were assessed at Severity Level IV, in accordance with the NRC Enforcement Policy.
- A. 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, corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy were satisfied.
(Non-cited violation(s) was/were discussed involving the following requirement(s))
- B. The following violation(s) is/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 AND DATE
LICENSEE'S REPRESENTATIVE		
NRC INSPECTOR	Ryan Craffey	<i>RJ Craffey</i> Digitally signed by Ryan J. Craffey Date: 2022.09.06 07:29:34 -0400
BRANCH CHIEF	Michael Kunowski	<i>Michael Kunowski</i> 9-7-2022



Materials Inspection Record

1. Licensee Name: Dukes Health System, LLC		2. Docket Number(s): 030-14065		3. License Number(s) 13-18703-01	
4. Report Number(s): 2022-001			5. Date(s) of Inspection: August 22, 2022		
6. Inspector(s): Ryan Craffey		7. Program Code(s): 02120		8. Priority: 3	9. Inspection Guidance Used: IP 87131
10. Licensee Contact Name(s): Rik Stephens, MD - RSO Tanya Oaks - NMT		11. Licensee E-mail Address: N/A toaks@dukesmemorialhosp.com		12. Licensee Telephone Number(s): 765-472-8000 765-472-8026	
13. Inspection Type: <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Announced <input type="checkbox"/> Non-Routine <input checked="" type="checkbox"/> Unannounced		14. Locations Inspected: <input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Field Office <input type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote		15. Next Inspection Date (MM/DD/YYYY): 08/22/2025 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	

16. Scope and Observations:

Dukes Health System d/b/a Dukes Memorial Hospital was a 35-bed community hospital in Peru, Indiana, authorized to perform diagnostic and therapeutic administrations of radiopharmaceuticals and to possess DU in source holders previously used to enable PET imaging on a SPECT camera. At the time of the inspection, one full-time nuclear medicine technologist performed 2-6 diagnostic administrations per day using unit doses from a licensed radiopharmacy, as well as infrequent therapeutic administrations using I-131 capsules. The licensee no longer possessed any DU; it had transferred the source holders to an authorized recipient prior to the last inspection. The licensee retained the services of a medical physics consultant to audit the program semiannually.

The inspector toured the hospital in Peru. All areas were properly posted and all licensed material was adequately secured. The inspector conducted independent and confirmatory surveys of the nuclear medicine department and found no residual contamination or exposures to members of the public in excess of regulatory limits. The inspector observed the conduct of a cardiac stress test using unit doses of Tc-99m radiopharmaceuticals, as well as demonstrations of instrument checks, receipt and shipment of packages containing licensed material and area surveys. The inspector found the technologist to be knowledgeable of radiation protection principles and regulatory requirements, and noted the use of adequate ALARA practices, personnel dosimetry, and calibrated and operable radiation detection instruments.

The inspector reviewed documentation for a selection of diagnostic administrations as well as the only I-131 therapy administered since the last routine inspection. The inspection also reviewed a selection of records related to the radiation safety program, including consultant audits, dose calibrator and well counter quality control tests, sealed source inventories, leak test results, and transfer records, hazmat training records, and personnel dosimetry reports.

No violations of NRC requirements were identified as a result of this inspection.