NRC FORM 591M
(09-11-2024)

U.S. NUCLEAR REGULATORY COMMISSION

Materials Inspection Report

1. Licensee/Location Inspected:	2. NRC/Regional Office
Indiana University Health Arnett, Inc. 420 N 26th St. Lafayette, IN 47904 **Report Number(s)** 2025-001	Region III U. S. Nuclear Regulatory Commission 2056 Westings Avenue, Suite 400 Naperville, IL 60563-2657

3. Docket Number(s)	4. License Number(s)	5. Date(s) of Inspection
030-34812	13-32087-01	4/2/2025

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	Luis Nieves	LUIS NIEVES FOLCH Digitally signed by LUIS NIEVES FOLCH Date: 2025.04.21 11:57:36 -05'00'
BRANCH CHIEF	Rhex Edwards	GEOFFREY WARREN Digitally signed by GEOFFREY WARREN Date: 2025.04.28 10:38:14 -05'00'

Add Continuation Page

NRC FORM 592M
(10-04-2022)

U.S. NUCLEAR REGULATORY COMMISSION

Materials Inspection Record

1. Licensee Name:	2. Docket Number(s):	3. License Number(s)
Indiana University Health Arnett, Inc.	030-34812	13-32087-01

4. Report Number(s):	5. Date(s) of Inspection:
2025001	4/2/2025

6. Inspector(s):	7. Program Code(s):	8. Priority:	9. Inspection Guidance Used:
Luis Nieves	02230	2	IP 87130

10. Licensee Contact Name(s):	11. Licensee E-mail Address:	12. Licensee Telephone Number(s):
Siarhei (Sergei) Spirydovich, RSO	sspirydovich@IUHealth.org	765-838-6872

13. Inspection Type:	14. Locations Inspected:	15. Next Inspection Date (MM/DD/YYYY):
☐ Initial	☐ Hybrid	
☑ Routine ☐ Announced	☑ Main Office ☐ Field Office	4/2/2027
☐ Non-Routine ☑ Unannounced	☐ Temporary Job Site ☐ Remote	☑ Normal ☐ Extended ☐ Reduced ☐ No change

16. Location(s) Inspected List:
420 N 26th St., HDR Suite, Lafayette, Indiana, 47904.

17. Scope and Observations:

This was an unannounced, routine inspection of a outpatient cancer center in Lafayette, Indiana, authorized to use iridium-192 in a Varian Vari Source iX and a Varian Bravos high dose remote afterloader (HDR). The licensee had two Authorized Users and seven Authorized Medical Physicists (AMPs) who were routinely involved in the HDR therapies. The licensee treated one treatment a month mainly gynecological, they also treated skin cancer and breast cancer treatment. The licensee's radiation safety program was reviewed annually by the RSO, and the radiation safety committee met quarterly. The licensee has two HDR machines on their license but, the licensee currently only possessed the Bravos model one. The manufacturer removed the Vari Source iX model in November of 2022.

The inspector toured the licensee's facility to verify the security of the device, area postings, and the availability of emergency equipment. The inspector also performed confirmatory surveys in public areas adjacent to the treatment room and did not identify any dose rates above background. The inspector observed the AMP perform spot checks on the HDR, and interviewed the AMP with regard to topics including: the receipt of the HDR source, installation of the HDR device by the vendor, unit calibration, and operating and emergency procedures. No treatments were being performed while the inspector was onsite; however, the inspector reviewed written directives and treatment plans associated with a selection of the treatments and determined that the treatments were performed in accordance with the written directives. The inspector also reviewed a selection of records associated with equipment calibrations and spot checks, personnel dosimetry, vendor servicing activities, receipt and disposal of sources, training, radiation safety program reviews, and radiation safety committee meeting minutes, and did not identify any issues

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

Materials Inspection Record (Continued)

Signature and Date - Branch Chief

GEOFFREY WARREN Digitally signed by GEOFFREY WARREN
Date: 2025.04.28 10:36:34 -05'00'

From: Luis Nieves Folch
To: sspirydovich@IUHealth.org
Subject: NRC Inspection Report Indiana University Health Arnett 591
Date: Monday, April 28, 2025 2:55:00 PM
Attachments: NRC 591M Indiana University Health Arnett sign_GW.pdf

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Dear Sergei

Attach is the clear 591 report for the inspection conducted on 4/2/2025. At this point there is no further actions on your part.

In accordance with Title 10 of the Code of Federal Regulations 2.390 of the NRC's "Rules of Practice," a copy of this message will be 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.

Please feel free to contact me if you have any questions regarding this correspondence.

Thank you,

Luis Nieves
Health Physicist
U.S. Nuclear Regulatory Commission
Division of Nuclear Materials Safety
Office: (630) 829-9571
Fax: (630) 515-1259