



## Materials Inspection Report

<b>1. Licensee/Location Inspected:</b>  Cardiology Associates of Birmingham 32270 Telegraph Road Bingham Farms, MI 48025  <b>Report Number(s)</b> 2023-001	<b>2. NRC/Regional Office</b>  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
<b>3. Docket Number(s)</b> 030-31887	<b>4. License Number(s)</b> 21-26237-01	<b>5. Date(s) of Inspection</b> August 8, 2023

**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	 <small>Digitally signed by Ryan J. Craffey Date: 2023.08.16 08:50:22 -04'00'</small>
BRANCH CHIEF	Rhex Edwards	 <small>Digitally signed by Rhex A. Edwards Date: 2023.08.23 11:58:02 -05'00'</small>



### Materials Inspection Record

1. Licensee Name: Cardiology Associates of Birmingham	2. Docket Number(s): 030-31887	3. License Number(s) 21-26237-01
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4. Report Number(s): 2023-001	5. Date(s) of Inspection: August 8, 2023
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6. Inspector(s): Ryan Craffey	7. Program Code(s): 02201	8. Priority: 5	9. Inspection Guidance Used: IP 87130
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10. Licensee Contact Name(s): Shelli Kritzman - Consultant	11. Licensee E-mail Address: mkritzman@mpcphysics.com	12. Licensee Telephone Number(s): 734-662-3197
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13. Inspection Type: <input type="checkbox"/> Initial <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Announced <input type="checkbox"/> Non-Routine <input checked="" type="checkbox"/> Unannounced	14. Locations Inspected: <input type="checkbox"/> Hybrid <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): 08/08/2028	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change
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16. Location(s) Inspected List:  
32270 Telegraph Road, Bingham Farms, MI

17. Scope and Observations:  
Cardiology Associates of Birmingham is a private medical practice authorized to perform diagnostic administrations of radiopharmaceuticals at its clinic in Bingham Farms, Michigan. At the time of the inspection, one part-time NMT performed up to seven cardiac stress tests every Tuesday using unit doses from a licensed radiopharmacy in Livonia. The licensee retained the services of a medical physics consultant based in Ann Arbor to perform quarterly audits of the radiation protection program.

The inspector toured the clinic in Bingham Farms. All areas were adequately posted and all licensed material was adequately secured. The inspector performed independent radiation surveys in and around restricted areas of the facility. No exposures above limits to members of the public were noted. Residual contamination was noted on a treadmill in a restricted area; however, this was effectively remediated by the NMT before the treadmill was used again. The inspector observed the administration of four doses of Tc-99m for cardiac stress tests, as well as demonstrations of radiation detection equipment checks and area surveys. The NMT was knowledgeable of radiation protection principles and regulatory requirements, wore personnel dosimetry as assigned, used calibrated and operable radiation detection instruments, and implemented effective ALARA practices.

The inspector also reviewed a selection of records related to the radiation protection program, including consultant audits, instrument calibration records, sealed source inventories and leak test results, dose administration records, results of various routine radiation surveys, and personnel dosimetry reports.

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

Signature and Date - Branch Chief

Digitally signed by Rhex A. Edwards  
Date: 2023.08.23 11:57:45 -05'00'