



Materials Inspection Report

1. Licensee/Location Inspected:

Cardiac Imaging, Inc.
2 TransAm Plaza Drive
Oakbrook Terrace, IL 60181
Location Inspected: Job site in Merrillville, IN

Report Number(s) 2025-002

2. NRC/Regional Office

Region III
U. S. Nuclear Regulatory Commission
2056 Westings Avenue, Suite 400
Naperville, IL 60563-2657

3. Docket Number(s)

150-00012

4. License Number(s)

IL-02531-01 (reciprocity)

5. Date(s) of Inspection

05/13/25 - 06/30/25

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.

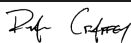
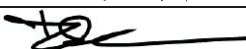
A. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy were satisfied.

(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	(not required)	
NRC INSPECTOR	Ryan Craffey	 Digitally signed by RYAN CRAFFEY Date: 2025.07.07 08:27:44 -05'00'
BRANCH CHIEF	Rhex Edwards	 Digitally signed by RHEX EDWARDS Date: 2025.07.18 10:01:15 -05'00'



Materials Inspection Record


1. Licensee Name: Cardiac Imaging, Inc.		2. Docket Number(s): 150-00012		3. License Number(s) IL-02531-01 (reciprocity)	
4. Report Number(s): 2025-002			5. Date(s) of Inspection: May 13, 2025; in-office review through June 30, 2025		
6. Inspector(s): Ryan Craffey		7. Program Code(s): 02220		8. Priority: 3	9. Inspection Guidance Used: IP 87130
10. Licensee Contact Name(s): Anthony Wallace RT(R)(N)		11. Licensee E-mail Address: awallace@cardiacscan.org		12. Licensee Telephone Number(s): 772-341-1574	
13. Inspection Type: <input type="checkbox"/> Initial <input type="checkbox"/> Routine <input type="checkbox"/> Announced <input checked="" type="checkbox"/> Non-Routine <input checked="" type="checkbox"/> Unannounced		14. Locations Inspected: <input type="checkbox"/> Hybrid <input type="checkbox"/> Main Office <input type="checkbox"/> Field Office <input checked="" type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote		15. Next Inspection Date (MM/DD/YYYY): TBD <input type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input checked="" type="checkbox"/> No change	
16. Location(s) Inspected List: Queen of Hearts Cardiovascular, 8684 Connecticut Street, Merrillville, IN 46410					
17. Scope and Observations: <p>Cardiac Imaging, a mobile medical imaging service provider, was authorized by the State of Illinois to use byproduct material for diagnostic administrations of radiopharmaceuticals at its facility in Mokena, and at temporary job sites in State jurisdiction. The company performed work at temporary job sites in NRC jurisdiction per a reciprocity notification filed in January 2025 for the calendar year. The scope of this inspection was limited to an evaluation of licensed activities (cardiac PET scans using a Rb-82 infusion machine) on a PET/CT trailer parked at a client's facility in Merrillville, Indiana.</p> <p>The inspector visited the trailer in Merrillville. The trailer was adequately secured, controlled, and posted. Independent surveys on its exterior throughout the day remained well below regulatory limits to members of the public. Independent surveys inside the trailer found no evidence of contamination. The inspector observed the conduct of several cardiac PET scans using weight-based doses of Rb-82 administered via infusion machine and QC testing (including generator breakthrough) prior to administrations. The NMT wore personnel dosimetry as assigned and was knowledgeable of infusion machine use and maintenance as well as safe handling practices for radioactive material. The NMT demonstrated exchanging the Rb-82 generator as well as blocking and bracing the infusion machine for transport using equipment and instructions provided by the manufacturer that appeared adequate for the purpose. All other calibration and reference sources were adequately secured for transport. Calibrated survey instruments were available for end-of-day surveys.</p> <p>The inspector also reviewed a selection of records, including infusion machine preventative maintenance and training records, dose administration records, the licensee's MOU with the client in Merrillville, personnel dosimetry reports, consultant audits including instrument calibrations, quality control, and sealed source leak tests and inventories, sealed source return documentation, and Type A package test results for the infusion machine. The inspector also requested documentation of instructions from the sole AU on the Illinois license for cardiac PET scans. The licensee located these during the period of in-office review. The "radiopharmaceutical standing order" thus provided confirmed that the AU approved of the weight-based dosage in use.</p>					

Materials Inspection Record (Continued)

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

Signature and Date - Branch Chief



 Digitally signed by RHEX EDWARDS
Date: 2025.07.18 10:00:52 -05'00'