

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:

Cardiology Associates of Northwest Indiana, P.C.  
10010 Donald S. Powers Drive  
Munster, IN 46321

REPORT NUMBER(S) 2015-001

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

030-33827

4. LICENSE NUMBER(S)

13-26642-01

5. DATE(S) OF INSPECTION

July 24, 2015

**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. 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, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, to exercise discretion, were satisfied.



Non-cited violation(s) were discussed involving the following requirement(s):

- ☐ 4. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements and 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	DATE
LICENSEE'S REPRESENTATIVE			
NRC INSPECTOR	Dennis P. O'Dowd		7/24/15
BRANCH CHIEF	Aaron T. McCraw		8/11/15

**Docket File Information**

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6. INSPECTION PROCEDURES USED

87130

7. INSPECTION FOCUS AREAS

03.01 - 03.07

**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)

02201

2. PRIORITY

5

3. LICENSEE CONTACT

Wail E. Asfour, M.D., RSO

4. TELEPHONE NUMBER

(219) 934-4200

☒ Main Office Inspection

Next Inspection Date: 07/24/2015

☐ Field Office Inspection

☐ Temporary Job Site Inspection

**PROGRAM SCOPE**

This was a routine inspection of a private clinic located in Munster, Indiana, performing approximately 14 diagnostic nuclear medicine procedures per day, Monday through Friday, each week. Two full-time nuclear medicine technologists (NMTs), and one PRN NMT, performed all patient procedures. The licensee obtained licensed material as unit doses from an area nuclear pharmacy, and did not use xenon-133, bulk doses, or molybdenum-99/technetium generators. The licensee exclusively performed cardiac scans. The licensee was not authorized to perform or administer therapeutic doses. All waste was held for decay-in-storage (DIS) or returned to the nuclear pharmacy as a limited quantity shipment.

**Performance Observations**

The inspector observed two stress doses and one resting dose of technetium-99m being administered to patients. These observations, combined with interviews of available staff, revealed an adequate level of understanding of emergency and material handling procedures and techniques. Dose calibrator constancy checks, package receipt, daily and weekly surveys, and waste handling and disposal procedures were successfully demonstrated. An outside consultant performed quarterly program audits that were adequate. Required training for professional and ancillary staff was documented.

Licensed material was adequately secured and not readily accessible to members of the general public. A survey meter was calibrated, operational, and performed well in side-by-side comparison with an NRC instrument.

Independent measurements did not indicate readings in excess of Title 10 of the Code of Federal Regulations (10 CFR) Part 20 limits in restricted or unrestricted areas. Personal whole body and extremity dosimetry were observed worn by the staff during the inspection, and records did not indicate doses in excess of 10 CFR Part 20 limits. Dosimetry records indicated that maximum whole body and extremity readings for 2014 were 342 millirem (mrem) and 660 mrem, respectively; for 2013, 352 mrem and 780 mrem, respectively; and for 2012, 330 mrem and 920 mrem, respectively.

No violations were identified during this inspection.