

NRC FORM 591M PART 1 <small>(07-2012) 10 CFR 2.201</small>		U.S. NUCLEAR REGULATORY COMMISSION	
SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION			
1. LICENSEE/LOCATION INSPECTED: Nuclear Cardiology Associates, P.C. 8564 Broadway Merrillville, IN 46410 REPORT NUMBER(S) 2018001		2. NRC REGIONAL OFFICE: Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S) 030-36546	4. LICENSE NUMBER(S) 13-32503-01	5. DATE(S) OF INSPECTION August 8, 2018	

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)

Contrary to Condition 14.A of NRC Materials License 13-32503-01, on August 8, 2018, the licensee did not conduct its program in accordance with its Radiation Protection Program Policy procedure section 8.23 item 10, which states the licensee will provide dosimetry that meets the requirements listed under Criteria in NUREG-1556, Vol. 9, Revision 2. Specifically, on August 8, 2018, the Nuclear Medicine Technologist (NMT) did not wear her dosimetry badge and ring while preparing and administering radioactive material.

The cause of the violation was an isolated oversight by the NMT. Specifically, the NMT forgot her dosimetry at her house. As corrective actions, the NMT will store the dosimetry badge and ring in the licensee's office and not take it to her house.

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	ARSHAD P. MACK		9/13/18
NRC INSPECTOR	Luis Nieves Folch		9/5/18
BRANCH CHIEF	Aaron T. McCraw	for ATM	9/5/18

Docket File Information

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Nuclear Cardiology Associates, P.C. 8564 Broadway Merrillville, IN 46410 REPORT NUMBER(S) 2018001	2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352
---	---

3. DOCKET NUMBER(S) 030-36546	4. LICENSE NUMBER(S) 13-32503-01	5. DATE(S) OF INSPECTION August 8, 2018
--------------------------------------	---	--

6. INSPECTION PROCEDURES USED 87130	7. INSPECTION FOCUS AREAS 03.01-03.08
--	--

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02201	2. PRIORITY 5	3. LICENSEE CONTACT Arshad Malik, MD- RSO	4. TELEPHONE NUMBER (219) 769-1622
---------------------------------	----------------------	--	---

Main Office Inspection Next Inspection Date: August 8, 2023

Field Office Inspection _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

This was an unannounced, routine inspection of a cardiac clinic authorized by its NRC license to use unsealed byproduct material for diagnostic procedures under 10 CFR 35.200 at its facility in Merrillville, IN. A local radiopharmacy delivered unit doses to the clinic for only heart diagnostic procedures. The clinic employed one full-time nuclear medicine technologist who staffed the department on Tuesdays, Wednesdays, and Thursdays. The licensee performed approximately 20 diagnostic studies per week. The clinic retained the services of a medical physics consultant to perform instrument calibrations, leak tests, and quarterly audits of the radiation safety program.

PERFORMANCE OBSERVATIONS

The inspector toured the nuclear medicine laboratory and observed the nuclear medicine technologist demonstrate package receipt surveys and instrument quality control checks. The inspector observed the preparation and administration of two heart stress study. The inspector performed independent surveys of the hot lab and other areas of the nuclear medicine department and found no contamination or exposures to members of the public distinguishable from background. The nuclear medicine technologist demonstrated adequate knowledge of radiation safety principles and practices through interviews. The inspector reviewed quarterly audit reports, spill reports, and documentation of package receipt, area surveys, instrument quality control, waste disposal, and employee training. The inspector also reviewed monthly dosimetry reports which indicated annual whole-body and extremity doses below regulatory limits.

The inspector identified one violation during this inspection, concerning not wearing dosimetry, as documented on Part 1 of this form.

GW for
ATM
9/5/18

Nieves Folch, Luis

From: Nieves Folch, Luis
Sent: Monday, September 10, 2018 11:20 AM
To: 'nuclearcardiology@yahoo.com'
Subject: FW: NRC 591 report Severity Level IV violation
Attachments: SKM_C45818090515440.pdf

From: Nieves Folch, Luis
Sent: Wednesday, September 05, 2018 2:53 PM
To: 'nuclear' <cardiology@yahoo.com>
Subject: NRC 591 report Severity Level IV violation

Dear Mr. Malik,

Attach is the 591 report for the inspection conducted on August 8, 2018, the report reflects one violation that was discussed with your staff. I required form you to sign it at the bottom where it says "Licensees' Representative" and email it back to me. After that 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