

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Flint Cardiovascular Consultants, P.C.  
4455 Town Center Parkway  
Flint, MI 48532

REPORT NUMBER(S) 2014-001

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

030-36811

4. LICENSE NUMBER(S)

21-32550-01

5. DATE(S) OF INSPECTION

MARCH 6, 2014

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	Ryan Craffey	<i>Ryan Craffey</i>	3/6/14
BRANCH CHIEF	Aaron McCraw	<i>Robert D. Hutton, Jr. for</i>	3/11/14

**Docket File Information****SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

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## 6. INSPECTION PROCEDURES USED

87130

## 7. INSPECTION FOCUS AREAS

All

**SUPPLEMENTAL INSPECTION INFORMATION**

## 1. PROGRAM CODE(S)

02220

## 2. PRIORITY

3

## 3. LICENSEE CONTACT

Samir A. Elia, MD - RSO

## 4. TELEPHONE NUMBER

(810) 720-3370

☒ Main Office Inspection

Next Inspection Date: March 2017

☐ Field Office Inspection☒ Temporary Job Site Inspection 1075 Suncrest Drive, Lapeer, MI**PROGRAM SCOPE**

This was a routine inspection of a cardiology clinic authorized to use byproduct material for diagnostic administrations under 10 CFR 35.100 and 35.200 at its facility in Flint, Michigan, and at temporary job sites within NRC jurisdiction. The clinic staffs two part-time nuclear medicine technologists: one performs as many as 10 administrations per day at the Flint facility, while the other performs as many as 8 administrations per day at temporary job sites. The clinic performs studies in Flint on Monday, Tuesday, and Thursday; it performs studies at job sites Monday through Thursday, but only when scheduled. The licensee exclusively conducts stress tests using unit doses of technetium-99m received at the Flint facility from a local radiopharmacy. The hospital retains the services of a medical physics consultant to perform quarterly audits, instrument calibrations, inventories and leak tests.

**PERFORMANCE OBSERVATIONS**

The inspector toured the nuclear medicine department to evaluate the licensee's measures for material security, hazard communication and exposure control. The inspector observed the preparation and administration of four stress tests: two at Flint, and two at a temporary job site in Lapeer, Michigan. The inspector conducted independent surveys, and found no residual contamination or exposures to members of the public distinguishable from background. The technologists on staff demonstrated implementation of procedures for package receipt, area surveys, spill response, and waste handling. The technologists demonstrated adequate knowledge of radiation protection principles.

The inspector reviewed a selection of licensee records, including those for quarterly audits, package receipt, dose administration, minor spills, surveys, decay-in-storage waste disposal, training, dosimetry, shipping papers, and client agreements. The inspector also confirmed that the licensee's inventory matched current records.

The licensee was previously cited for failure to use shipping papers, and for failure to have client agreements on file. The licensee completed corrective actions as stated in the Inspection Report dated July 25, 2011, and the inspector found the violations to be non-recurring. Therefore, the NRC now considers the violations to be closed.

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