

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  Cardiovascular Consulting Associates 1400 S. Lake Park Avenue Hobart, IN 46342  REPORT NUMBER(S) 2018001		2. NRC/REGIONAL OFFICE  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
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3. DOCKET NUMBER(S)  030-34975	4. LICENSE NUMBER(S)  13-32160-01	5. DATE(S) OF INSPECTION  08/28/18
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**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	<i>Dennis P. O'Dowd</i>	08/28/18
BRANCH CHIEF	Geoffrey Warren, Acting Chief	<i>GJW</i>	9/11/18

**Docket File Information**

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<p>3. DOCKET NUMBER(S)</p> <p>030-34975</p>	<p>4. LICENSE NUMBER(S)</p> <p>13-32160-01</p>	<p>5. DATE(S) OF INSPECTION</p> <p>August 28, 2018</p>
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<p>6. INSPECTION PROCEDURES USED</p> <p>87130</p>	<p>7. INSPECTION FOCUS AREAS</p> <p>3.01-3.07</p>
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**SUPPLEMENTAL INSPECTION INFORMATION**

<p>1. PROGRAM CODE(S)</p> <p>02201</p>	<p>2. PRIORITY</p> <p>5</p>	<p>3. LICENSEE CONTACT</p> <p>Patrick Byrne, D.A.B.R., C.H.P, RSO</p>	<p>4. TELEPHONE NUMBER</p> <p>(734) 717-8731</p>
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Main Office Inspection      Next Inspection Date: 08/28/2023

Field Office Inspection \_\_\_\_\_

Temporary Job Site Inspection \_\_\_\_\_

**PROGRAM SCOPE**

This was an unannounced, routine inspection of a small cardiology clinic authorized to use licensed material under 10 CFR 35.200. The clinic was open Monday through Friday from 8:00am to 3:30pm. The clinic employed two part-time nuclear medicine technologists (NMTs) who performed approximately 100 diagnostic imaging studies monthly. The licensee primarily utilized Tc-99m for cardiac rest and stress tests in unit doses of 10mCi and 30mCi respectively; unit doses were received from a local radiopharmacy. The licensee employed an outside health physics consultant to audit the radiation safety program on a quarterly basis.

**PERFORMANCE OBSERVATIONS**

The inspector toured the facility to evaluate the licensee's measures for materials security, hazard communication, and exposure control. During the time of the inspection, no patient studies were conducted. Licensee staff demonstrated/discussed: (1) package receipt procedures; (2) daily calibrator checks; (3) dose preparation; (4) procedures for handling and disposing of radioactive waste; (5) daily and weekly surveys; (5) spill response procedures; and (6) access restrictions to the hot lab. The inspector also reviewed select records including: (1) quarterly audit reports; (2) dose calibrator constancy, linearity, and accuracy tests records; (3) survey meter calibrations; (4) daily survey and weekly wipe test results; (5) source leak test records; (6) disposal logs; (7) training records, including DOT Hazmat training, and (8) dosimetry reports. The review of dosimetry records indicated no exposures of regulatory concern.

Additionally, the inspector conducted independent and confirmatory surveys, and found no residual contamination or exposures to members of the public in excess of regulatory limits.

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

GW  
9/11/18