

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:
Heart and Vascular Institute
4160 John R, Suite 510
Detroit, Michigan 48201
REPORT NUMBER(S): 11-01

2. NRC/REGIONAL OFFICE
U.S. Nuclear Regulatory Commission, Region III
2443 Warrenville Road, Suite 210
Lisle, Illinois 60532

3. DOCKET NUMBER(S)
030-38248

4. LICENSEE NUMBER(S)
21-32784-01

5. DATE(S) OF INSPECTION
April 13, 2011

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, NUREG-1600, 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. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11

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	Andrew M. Bramnik	<i>Andrew M. Bramnik</i>	4/21/2011
Branch Chief	Tamara E. Bloomer	<i>T. Bloomer</i>	4/25/11

Docket File Information
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6. INSPECTION PROCEDURES
87130

7. INSPECTION FOCUS AREAS
03.01 – 03.07

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM
2220

2. PRIORITY
3

3. LICENSEE CONTACT
Kevin B. Miller (MPC), RSO

4. TELEPHONE NUMBER
734-662-3197

Main Office Inspection

Next Inspection Date: April 2014

Field Office Inspection

2421 Monroe St., Suite 101, Dearborn, Michigan

Temporary Job Site Inspection

PROGRAM SCOPE

This was an initial inspection of a licensee that operated two private clinics: one in Detroit and one in Dearborn, Michigan. The licensee also operated a mobile diagnostic nuclear medicine service out of the Dearborn facility. Both locations were previously listed on NRC License No. 21-32562-01 for Heart and Vascular Physicians – a medical practice that terminated its NRC license on May 19, 2010, at the mutual decision of its partners. The NRC license for Heart and Vascular Institute was issued concurrently with that action.

At the Detroit clinic, one full time and one part time nuclear medicine technologists performed approximately 35 diagnostic cardiac stress tests per week. At the Dearborn clinic, one part time nuclear medicine technologist performed between 3-8 cardiac stress tests per day on Wednesdays and Fridays only. The technologist at the Dearborn clinic also administered the mobile nuclear medicine service. Both locations obtained licensed material exclusively as unit doses from an area nuclear pharmacy.

PERFORMANCE OBSERVATIONS

The inspector observed one resting dose and two stress doses of technetium-99m being administered at both locations during the inspection. 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 surveys, and waste handling and disposal procedures were successfully demonstrated at both locations. An outside consultant performed quarterly program audits that were adequate to oversee the program, and also served as the Radiation Safety Officer (RSO).

The inspector was not able to observe work being performed by the mobile nuclear medicine service at a temporary job site. Over the past four years, the licensee had only used radioactive materials at one temporary job site: the Cedar Woods Assisted Living Community, located at 44401 S. I-94 Service Drive Belleville, Michigan 48111. The licensee performed diagnostic scans at this location approximately one day per month.

At both clinics, licensed material was adequately secured and not readily accessible to members of the general public. The licensee possessed a radiation survey meter at each location that 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 the highest annual whole body and extremity readings for the past four years were 814 millirem (mrem) and 1311 mrem, respectively.

No violations were identified during this inspection.