

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  Thoracic & Cardiovascular Institute 1140 E. Michigan Ave. Lansing, Michigan 48912  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)  030-18237	4. LICENSE NUMBER(S)  21-20313-01	5. DATE(S) OF INSPECTION  3/2/18

**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.

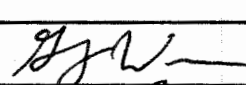
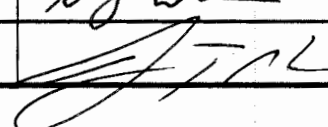
3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, to exercise discretion, were satisfied.

\_\_\_\_\_ 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	Geoffrey Warren, Sr. HP		3/2/18
BRANCH CHIEF	Aaron McCraw		3/8/18

**Docket File Information**

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6. INSPECTION PROCEDURES USED  87130	7. INSPECTION FOCUS AREAS  03.01 - 03.09
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  02201	2. PRIORITY  5	3. LICENSEE CONTACT  Jim Botti, RSO	4. TELEPHONE NUMBER  (734) 662-3197
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Main Office Inspection      Next Inspection Date: 03/02/2023

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

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

**PROGRAM SCOPE**

This was an unannounced routine inspection. The licensee was a cardiology clinic located in Lansing, Michigan, with authorization to use byproduct materials in 10 CFR 35.200 only. The nuclear medicine department at the main clinic was staffed with four full-time nuclear medicine technologists. The nuclear medicine staff typically administered 400 diagnostic doses monthly. The diagnostic procedures were limited to technetium-99m cardiac imaging. The department received unit doses as needed from a licensed nuclear pharmacy. All waste was either held for decay-in-storage (DIS) or returned to the nuclear pharmacy. The main facility was new since the previous inspection and was consistent with maps provided to the NRC. The Owosso facility operated Mondays and Wednesdays only, with two technologists from the main clinic working there.

Performance Observations: The inspector observed four diagnostic administrations of licensed materials, including dose preparation and disposal. Licensee staff demonstrated wipe counter and survey meter QC, dose calibrator constancy, package receipt and return surveys and wipes, and daily and weekly contamination surveys. The inspector noted no concerns with these activities. Review of dosimetry records indicated no exposures of regulatory concern. Interviews with licensee personnel indicated adequate knowledge of radiation safety concepts and procedures. The inspector performed independent and confirmatory radiation measurements which indicated results consistent with licensee survey records and postings.

No violations were identified during this inspection.