

## SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

## 1. LICENSEE/LOCATION INSPECTED:

VHS Huron Valley-Sinai Hospital, Inc.  
1 William Carls Drive  
Commerce, MI 48382-2201

REPORT NUMBER(S) 13-01

## 2. NRC/REGIONAL OFFICE

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

## 3. DOCKET NUMBER(S)

030-29063

## 4. LICENSE NUMBER(S)

21-24652-01

## 5. DATE(S) OF INSPECTION

February 14, 2013

## 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:

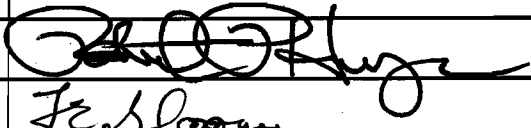
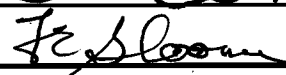
- ☒ 1. Based on the inspection findings, no violations were identified.
- ☐ 2. Previous violation(s) closed.
- ☐ 3. The violations(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was 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	Robert P. Hays		2/14/13
BRANCH CHIEF	Tamara E. Bloomer		3/8/13

**Docket File Information**

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6. INSPECTION PROCEDURES USED

87131

7. INSPECTION FOCUS AREAS

03.01-03.07

**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)

02121

2. PRIORITY

5

3. LICENSEE CONTACT

Joe Pomeroy

4. TELEPHONE NUMBER

(417) 837-4040

☒ Main Office Inspection

Next Inspection Date: 02/14/2016

☐ Field Office Inspection

☐ Temporary Job Site Inspection

**PROGRAM SCOPE**

The licensee was a Detroit suburban hospital affiliated with Detroit Medical Center and authorized by the license to use any byproduct material as needed, for any study permitted by 10 CFR 35.100, 35.200, and 35.300 at the location specified on the license.

The nuclear medicine department was staffed with six part-time nuclear medicine technologists (NMTs) and one assisting Cardiac Test Nurse. The licensee performed an average of 5-6 cardiac studies and 2-3 other diagnostic studies Monday thru Friday each week. Iodine-123 is administered for uptake studies and averaged none to four administrations per month. No I-131 procedures are performed. The licensee also uses Xe-133 and receives bulk Tc-99m daily. The nuclear medicine department received unit doses from two local nuclear pharmacies as ordered. Rad waste was either held for decay-in-storage (DIS) or returned to the nuclear pharmacy as limited quantity shipments. All visitors to the facility are escorted by staff from the facility entrance front desk to the department of interest.

**Performance Observations**

The licensee's available NMTs demonstrated/discussed: (1) survey meter use and calibrations; (2) package check-in procedures; (3) unit dosage prep and safe use; (4) wipe test counting; (5) waste handling; (6) sealed source inventories and leak tests; (7) routine security of licensed material; (8) dose calibrator tests; (9) quarterly radiation safety program audits; (10) one minor cardiac stress contamination event on 5/6/12; (11) HAZMAT refresher training; and (12) dosimetry: for 2012, 509mR-DDE and 520 mR.

The inspector performed independent and confirmatory radiation measurements which indicated results consistent with licensee survey records and postings.