

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

<p>1. LICENSEE/LOCATION INSPECTED:</p> <p>VHS Sinai-Grace Hospital Inc. 6071 West Outer Drive Detroit, Michigan 48235</p> <p>REPORT NUMBER(S) 16-001</p>	<p>2. NRC/REGIONAL OFFICE</p> <p>Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352</p>
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<p>3. DOCKET NUMBER(S)</p> <p>030-01992</p>	<p>4. LICENSE NUMBER(S)</p> <p>21-00299-04</p>	<p>5. DATE(S) OF INSPECTION</p> <p>January 12, 2016</p>
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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:

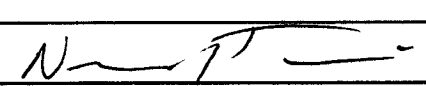
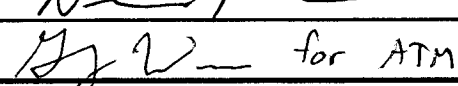
- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is 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	Navid Tehrani		1/12/16
BRANCH CHIEF	Aaron McCraw	 for ATM	1/25/16

**Docket File Information**

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6. INSPECTION PROCEDURES USED  87131, 87132	7. INSPECTION FOCUS AREAS  03.01-03.07; 03.01-03.07
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  02120	2. PRIORITY  3	3. LICENSEE CONTACT  Timothy Applegate, RSO	4. TELEPHONE NUMBER  (313) 966-4391
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Main Office Inspection                      Next Inspection Date: \_\_\_\_\_

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

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

**PROGRAM SCOPE**

This was an unannounced routine inspection of a 390-bed medical facility located in Detroit, Michigan, with authorization to use byproduct materials in Sections 35.100, 35.200, 35.300, and 35.400. The nuclear medicine department was staffed with four full-time and one part-time nuclear medicine technologists. The nuclear medicine staff typically administered 200-225 diagnostic doses monthly and 15 iodine-131 therapy doses annually, with doses mostly in capsule form. Diagnostic procedures were predominately technetium-99m cardiac, bone, and lung imaging, received as unit doses or prepared from bulk technetium-99m.

The radiation therapy department was staffed with one physician authorized user, one medical physicist, one dosimetrist, and two full-time and one part-time therapists who assist with license activities when needed. The radiation therapy department no longer performs prostate implant procedures and no longer possesses iodine-125 seeds.

The inspector observed one diagnostic administrations of licensed materials, including dose preparation and disposal. Licensee personnel demonstrated additional diagnostic and therapeutic administrations, dose calibrator constancy, survey meter and wipe counter QC, package receipt and return surveys, and daily and weekly contamination surveys, and described emergency procedures. The inspector noted no concerns with these activities. The inspector reviewed written directives for radiopharmaceutical and identified no concerns. Interviews with licensee personnel indicated adequate knowledge of radiation safety concepts and procedures. Review of dosimetry records indicated no exposures of regulatory concern. The inspector performed independent and confirmatory radiation measurements which indicated results consistent with licensee survey records and postings.

No violations of NRC requirements were identified during this inspection.