

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

<p>1. LICENSEE/LOCATION INSPECTED:</p> <p>VHS Children's Hospital of Michigan, Inc. 3901 Beaubien Blvd. Detroit, MI 48201</p> <p>REPORT NUMBER(S) 2018001</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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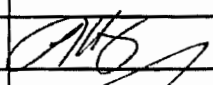
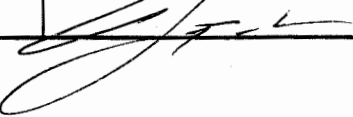
<p>3. DOCKET NUMBER(S)</p> <p>030-13166</p>	<p>4. LICENSE NUMBER(S)</p> <p>21-03298-05</p>	<p>5. DATE(S) OF INSPECTION</p> <p>12/21/2018</p>
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**LICENSEE:**  
The inspection was an examination of the activities conducted under your license as they relate 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	Luis Nieves Folch		12/21/2018
BRANCH CHIEF	Aaron T. McCraw		1/3/19

**Docket File Information**

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6. INSPECTION PROCEDURES USED  87131	7. INSPECTION FOCUS AREAS  03.01-03.08
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  02120	2. PRIORITY  3	3. LICENSEE CONTACT  Cari Dzanbazoff, RSO	4. TELEPHONE NUMBER  (313) 745-5437
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Main Office Inspection      Next Inspection Date: December 21, 2021

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

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

**PROGRAM SCOPE**

This was an unannounced, routine inspection of a children's hospital authorized by its NRC license to use unsealed byproduct material for diagnostic and therapeutic procedures under 10 CFR 35.100, 35.200, and 35.300. The nuclear medicine department was staffed with one full-time nuclear medicine technologist (NMT) who performed approximately three diagnostic nuclear medicine procedures daily, primarily bone, thyroid, gastric emptying, and Hida scans. The licensee administered approximately 10 I-131 therapies annually for the treatment of Graves' disease. The licensee contracted a consultant health physicist to perform annual audits of the radiation safety program.

**PERFORMANCE OBSERVATIONS**

The inspector toured the nuclear medicine laboratory and observed the nuclear medicine technologist demonstrate package receipt surveys and instrument quality control checks. The inspector performed independent surveys of the hot lab and other areas of the nuclear medicine department and found no contamination or exposures to members of the public distinguishable from background. The nuclear medicine technologist demonstrated adequate knowledge of radiation safety principles and practices through interviews. The inspector reviewed quarterly audit reports, spill reports, and documentation of package receipt, area surveys, written directives, instrument quality control, waste disposal, and employee training. The inspector also reviewed monthly dosimetry reports, which indicated annual whole body and extremity doses below regulatory limits.

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