

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

<p>1. LICENSEE/LOCATION INSPECTED:</p> <p>Sturgis Hospital 916 Myrtle Avenue Sturgis, MI 49091</p> <p>REPORT NUMBER(S) 2016001</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>	
<p>3. DOCKET NUMBER(S)</p> <p>030-11109</p>	<p>4. LICENSE NUMBER(S)</p> <p>21-16475-01</p>	<p>5. DATE(S) OF INSPECTION</p> <p>SEPTEMBER 16<sup>TH</sup> 2016</p>

**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:

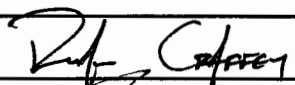
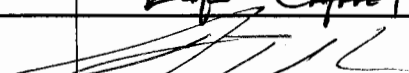
- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is 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	Ryan Craffey		9/16/16
BRANCH CHIEF	Aaron McCraw		9/23/16

**Docket File Information**

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6. INSPECTION PROCEDURES USED  87131	7. INSPECTION FOCUS AREAS  All
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  02120	2. PRIORITY  3	3. LICENSEE CONTACT  John Bormann, MD - RSO	4. TELEPHONE NUMBER  (616) 651-7824
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Main Office Inspection      Next Inspection Date: 09/16/2019

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

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

**PROGRAM SCOPE**

This was an unannounced routine inspection of a small community hospital authorized to use byproduct material for diagnostic and therapeutic medical purposes at its facility in Sturgis, Michigan. At the time of the inspection, two nuclear medicine technologists performed 20-25 diagnostic administrations (mostly cardiac stress tests) each week, Monday through Friday. The technologists also performed a few therapeutic administrations of I-131 per year. Since the last inspection, none of these administrations had exceeded 33 mCi of material. The licensee retained the services of a medical physics consultant to review the content and implementation of the radiation protection program quarterly.

**PERFORMANCE OBSERVATIONS**

The inspector toured the hospital in Sturgis to evaluate the licensee's measures for materials security, hazard communication and exposure control. The inspector conducted independent and confirmatory surveys of the facility, and found no evidence of residual contamination or exposures distinguishable from background in any unrestricted areas. The inspector observed the administration of two cardiac stress tests, and noted the satisfactory use of ALARA practices and dosimetry. The inspector also verified that the licensee's most recent sealed source inventory accurately reflected what it currently possessed. The licensee's staff demonstrated the implementation of licensee procedures for receipt of packages containing licensed material, decay-in-storage waste handling, area surveys, and contamination control. Through these observations, demonstrations, and other discussions, the inspector found the licensee's staff to be knowledgeable of radiation protection principles and regulatory requirements.

The inspector also reviewed a selection of available records, including written directives for each I-131 administration performed since the last inspection, dose calibrator quality control results (including those a geometry test of a new calibrator installed in May 2016), area survey results, waste handling logs, personnel dosimetry reports and medical physics consultant reports.

No violations of significance were identified as a result of this inspection.