

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

<p>1. LICENSEE/LOCATION INSPECTED:</p> <p>McLaren - Greater Lansing 401 West Greenlawn Ave. Lansing, MI 48910</p> <p>REPORT NUMBER(S) 2014-001</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>	
<p>3. DOCKET NUMBER(S)</p> <p>030-02037</p>	<p>4. LICENSE NUMBER(S)</p> <p>21-04073-01</p>	<p>5. DATE(S) OF INSPECTION</p> <p>December 3, 2014</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:


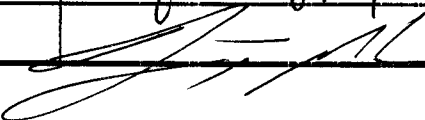
- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is 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		12/3/14
BRANCH CHIEF	Aaron McCraw		12/9/14

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 Kimberly Grove - RSO	4. TELEPHONE NUMBER (517) 975-6376
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Main Office Inspection Next Inspection Date: December 2016

Field Office Inspection _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

This was a routine inspection of a local healthcare system authorized to use byproduct material under 10 CFR 35.100, 200, and 300 at its main facility in Lansing, Michigan and under 35.200 only at its facility in Okemos. At the time of the inspection, the licensee staffed two nuclear medicine departments at its main facility: one exclusively for cardiac studies in the cardiology department, and one for all other administrations, including therapeutic administrations of I-131 in capsule form. The hospital's October 2014 license renewal removed authorization for brachytherapy procedures under 10 CFR 35.400 and 35.600. The licensee had not performed any such procedures since before the last inspection. The licensee retained the services of a medical physics consultant to perform quarterly audits of each nuclear medicine department. The licensee also continued to maintain a quarterly radiation safety committee.

PERFORMANCE OBSERVATIONS

The inspector toured both nuclear medicine departments at the main facility to evaluate the licensee's measures for materials security, hazard communication and exposure control. The inspector observed the preparation and administration of one gastric emptying study, one chemical stress test and one ventilation study, all using Tc-99m, as well as one therapy using I-131. The inspector conducted independent and confirmatory surveys, and found no residual contamination or exposures to members of public in excess of regulatory limits. The technologists on staff demonstrated the implementation of procedures for package receipt, area surveys, spill response and waste handling. Through these demonstrations and other discussions, the licensee's staff demonstrated adequate knowledge of radiation protection principles, licensee procedures and NRC requirements. The inspector also attended the licensee's quarterly radiation safety committee meeting, and observed the licensee's medical physics consultant perform instrument calibrations, leak tests and inventories.

The inspector reviewed the licensee's records for the administration of byproduct material requiring a written directive, including a selection of recent written directives and patient release evaluations. The inspector also reviewed a selection of nuclear medicine department records, dosimetry, quarterly audits and RSC meeting minutes.

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