

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

<p>1. LICENSEE/LOCATION INSPECTED:</p> <p>Lake Regional Health System 54 Hospital Drive Osage Beach, Missouri 65065</p> <p>REPORT NUMBER(S) 13-01</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>030-14028</p>	<p>4. LICENSE NUMBER(S)</p> <p>24-18678-01</p>	<p>5. DATE(S) OF INSPECTION</p> <p>December 17, 2013</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	Robert P. Hays		12/17/13
BRANCH CHIEF	Aaron T. McCraw		1/24/14

Docket File Information

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6. INSPECTION PROCEDURES USED 87131	7. INSPECTION FOCUS AREAS 03.01-03.07
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02121	2. PRIORITY 5	3. LICENSEE CONTACT Nathan Evans, Chief NMT	4. TELEPHONE NUMBER (573) 348-8358
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<input checked="" type="checkbox"/> Main Office Inspection <input type="checkbox"/> Field Office Inspection <input type="checkbox"/> Temporary Job Site Inspection	Next Inspection Date: 12/17/2018
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PROGRAM SCOPE

The licensee was a medical institution authorized by the license to use any byproduct material as needed, for any study permitted by 10 CFR 35.100, and 35.200, at the location specified on the license.

The large nuclear medicine department was staffed with four full-time and one part-time nuclear medicine technologists (NMTs). The NMTs typically performed 12-22 diagnostic scans daily and iodine-123 administered for uptakes. Diagnostic studies were predominately technetium-99m cardiac or bone imaging. The department received daily unit doses as needed from a nearby nuclear pharmacy. All waste was held for decay-in-storage (DIS).

Performance Observations

The licensee's NMTs demonstrated/discussed: (1) survey meter use and calibrations; (2) package check-in procedures; (3) unit dose prep and safe use of licensed material; (4) wipe test counting; (5) daily surveys and weekly wipe tests; (6) waste handling; (7) sealed source inventories; (8) routine security of licensed material; (9) dose calibrator tests; (10) annual radiation safety program audits; (11) any minor contamination events (none); (12) HAZMAT refresher training (annually); and (13) dosimetry: 164 mrem DDE and 2240 mrem SDE for 2012; and 94 mrem DDE and 1010 mrem SDE for 2013 (thru September).

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