

Initial	Announced	X	Unannounced	X	Routine	Special	Other
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NRC FORM 591M PART 3
(10-2003) 10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

Docket File Information
**SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION**

1. LICENSEE St. Mary's Health Center	2. NRC/REGIONAL OFFICE U.S. Nuclear Regulatory Commission Region IV, 612 East Lamar Blvd, Suite 400 Arlington, Texas 76011-4125
REPORT NO: 2011-001	

3. DOCKET NUMBER 030-12819	4. LICENSE NUMBER 24-17477-01	5. DATE OF INSPECTION September 22-November 9, 2011
6. INSPECTION PROCEDURES USED 87131	7. INSPECTION FOCUS AREAS 03.01-03.07	8. INSPECTOR Latischa M. Hanson

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE 02120	2. PRIORITY 3	3. LICENSEE CONTACT Jeffrey L. Patrick, M.D., RSO	4. TELEPHONE NUMBER (573) 761-7091
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Main Office Inspection 100 St. Mary's Medical Plaza, Jefferson City, Missouri Next Inspection Date: 09/2014

Field Office _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

Persons Contacted: Richard Weaver, CNMT; Jeffrey Patrick, M.D., RSO

This was an unannounced, routine inspection of a nuclear medicine licensee authorized for 35.100-300 material. The licensee is authorized for 35.400 & 31.11 material use but has not performed any procedures, as documented in the previous 2008 inspection. The licensee employs two full-time certified nuclear medicine technologists & one part-time weekend tech. The licensee does have an active student training program associated with the local nuclear medicine school. The licensee performs approximately 150 exams, comprised mainly of tc-99 use & bone, heart & gastric studies. The licensee receives unit doses from Mid America Isotopes, Inc., Ashland, Missouri, each day at 5:30am, with the delivery personnel possessing the access code to the hot lab's keypad lock. The licensee reports they perform approximately one to two i-131 procedures/year for thyroid ablations, outpatient only (no inpatient procedures in the past 3-4 years). The licensee also performs the same number of sm-153 procedures. The licensee has an active Radiation Safety Committee & corresponding RSC minutes were reviewed. RSC minutes were reviewed

Performance Observations

The inspector observed one injection procedure & conducted interviews with the staff and student tech; both were found to be knowledgeable with regards to the licensee's radiation protection procedures & no violations were noted. Interviews included RAM security procedures, written directive procedures & patient identification verification, daily surveys, package receipt procedures, calibrator constancy checks, disposal policies and waste handling procedures. The personnel were observed wearing the required personnel dosimetry. Securing of RAM was observed & found to be in accordance with regulatory requirements.

Records Review

The inspector conducted random review of required records, inclusive of leak tests, training, area surveys & contamination control, audits, inventories, equipment calibration, inspection & maintenance documentation, personnel monitoring, receipt & transportation documentation, RPP program & utilization logs. Written directive documentation was reviewed, with no violations noted. The licensee utilizes a contract health physics group, Diagnostic Technology Consultants, Inc. (DTC), Kansas City, Missouri

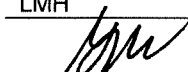
Personnel monitoring devices (badges & fingers), is supplied to the licensee by Mirion (QSA Global). The largest 2009-2010 dosimetry readings recorded whole body of 15 mrem & extremity 321 mrem. One declared pregnant female worker was recorded 9/29/2009, with the fetal badge recording under 500 mrem during the entire gestational period.

The licensee's waste disposal room was walked-down by the inspector, with the authorized staff maintaining key control. Rad waste collection bags were properly labeled & sealed, with corresponding rad waste logs maintained in accordance with regulatory requirements.

The May 2008 inspection noted that minor residual contamination was identified in two trash containers in the treadmill area due to injection tubing mistaking placed in the ordinary waste receptacle. The licensee committed to training personnel regarding the inspection finding & the review of procedure for proper waste disposal. This inspector verified the training documentation occurred & observed the personnel sign-in list. No violations were noted with this inspection & a clear 591 was issued from the office.

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SUNSI Review By: LMH

Supervisory Review By: 

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