

**SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION**

1. LICENSEE Lake Regional Health System		2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road, Suite 210 Lisle, IL 60532	
REPORT NUMBER(S) 2009-001			
3. DOCKET NUMBER(S) 03014028	4. LICENSE NUMBER(S) 24-18678-01	5. DATE(S) OF INSPECTION February 11, 2009	
6. INSPECTION PROCEDURES USED 87131 (10/24/02)	7. INSPECTION FOCUS AREAS 03.01-03.07		

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02121	2. PRIORITY 5	3. LICENSEE CONTACT Steve Grotewiel, Imaging Director	4. TELEPHONE NUMBER 573/348-8363
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Main Office Inspection Next Inspection Date: **February 2014**

Field Office _____

Temporary Job Site Inspection **Nathan Evans, Chief CNMT**

PROGRAM SCOPE

The licensee is a medical facility located in Osage Beach, Missouri, authorized by the license to use any byproduct material permitted by 10 CFR 35.100 and 35.200, excluding xenon-133. Licensed activities were conducted only at the location indicated on the license. The nuclear medicine department was staffed with five full-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 (TI-201 occasionally) or bone imaging. The department received daily unit doses as needed from a nearby nuclear pharmacy. All waste was either held for decay-in-storage (DIS). No change in RSO, Chief NMT, or Director since the previous inspection. The inspector performed independent and confirmatory radiation measurements which indicated results consistent with licensee survey records and postings.

Performance Observations

Interviews with licensee personnel indicated adequate knowledge of radiation safety concepts and procedures. The licensee's NMT 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) dosimetry; (6) waste handling; (7) sealed source inventories; (8) routine security of licensed material; (9) dose calibrator tests; (10) radiation safety program audits; and (11) any minor contamination events.

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