

**SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION**

1. LICENSEE Ray County Memorial Hospital REPORT NUMBER(S) 2008-01		2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road, Suite 210 Lisle, IL 60532	
3. DOCKET NUMBER(S) 03014777	4. LICENSE NUMBER(S) 24-18279-01	5. DATE(S) OF INSPECTION August 27, 2008	
6. INSPECTION PROCEDURES USED 87131	7. INSPECTION FOCUS AREAS 03.01-03.07		

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 2120	2. PRIORITY G3	3. LICENSEE CONTACT John Scott, MD., RSO	4. TELEPHONE NUMBER 816-470-5432
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Main Office Inspection Next Inspection Date: 08/2011

Field Office _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

This active medical program uses byproduct material as authorized in 10 CFR 35.100-300. The licensee performs approximately 30 diagnostic procedures monthly involving cardiac and other routine nuclear medicine procedures. One technologist employed through Clinishare, Inc., Independence, MO, currently staff the department. Generators are not received and all material is obtained from an area nuclear pharmacy in the form of unit doses. Hours of operation are from 8:00am-5:00pm, Monday through Friday.

The licensee performs about two iodine-131 HTT procedures annually, with no treatments involving greater than 33 millicuries of iodine-131. The licensee also performs occasional samarium-153-Quadromet treatments. Program audits are conducted quarterly through Clinishare, Inc., and appear to adequately oversee licensed activities.

Performance Observations

Daily area surveys, waste handling and disposal, dose calibrator constancy checks, package receipt and return procedures as well as injection techniques were successfully described or observed. A random record review of the licensee's quality management program revealed proper written directive content. Interviews conducted with licensee staff revealed an appropriate understanding of security of licensed material as well as proper material handling and emergency procedures. The licensee's sealed source inventory was visually verified during the inspection.

Independent measurements taken indicated a maximum reading of 1.5 mr/hr in the hot-lab waste storage area and essentially background (0.02mr/hr) in the imaging and unrestricted areas. Personal dosimetry records reviewed indicated whole-body readings for 2007 of 225 mRem and 1900 mRem extremity. YTD 2008 readings showed whole-body exposure of 122 mRem and extremity of 910 mRem.

