

**SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION**

1. LICENSEE Cass Medical Center REPORT NUMBER(S) 2008-01		2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road, Suite 210 Lisle, IL 60532	
3. DOCKET NUMBER(S) 03029723	4. LICENSE NUMBER(S) 24-20234-02	5. DATE(S) OF INSPECTION August 25, 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 David Hazuka, MD., RSO	4. TELEPHONE NUMBER 816-380-3474
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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 45 diagnostic procedures monthly for cardiac and other routine nuclear medicine procedures. The licensee's staff is provided through an area staffing service (Clinishare, Inc., Independence, MO). Generators are not received and all material is obtained from an area nuclear pharmacy in the form of unit doses. The licensee performs about two iodine-131 HTT procedures annually administered in capsule form. Treatments over 33 millicuries are not performed.

Performance Observations

Interviews conducted with available technologists revealed an adequate level of understanding of emergency and material handling procedures and techniques. Dose calibrator constancy checks, daily surveys, waste handling and disposal, package surveys and wipes as well as injection technique were successfully described or demonstrated.

Licensed material was observed adequately secured during the review and was not readily accessible to members of the general public. Independent measurements taken indicated a maximum reading of 0.6 mr/hr in the hot-lab area and essentially background (0.02mr/hr) in the imaging, treadmill and unrestricted areas.

Personal dosimetry records reviewed indicated whole-body readings for 2007 of 247 mRem and 1380 mRem extremity. YTD 2008 readings showed whole-body exposure of 88 mRem and extremity of 520 mRem.