

Docket File Information
SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION

1. LICENSEE Rush Memorial Hospital REPORT 2006001		2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road Lisle, IL 60532	
3. DOCKET NUMBER(S) 030-34900		4. LICENSE NUMBER(S) 13-32145-01	
6. INSPECTION PROCEDURES USED 87131		5. DATE(S) OF INSPECTION April 12, 2006	
7. INSPECTION FOCUS AREAS 03.01-03.07			
SUPPLEMENTAL INSPECTION INFORMATION			
1. PROGRAM 2121	2. PRIORITY G3	3. LICENSEE CONTACT William Shidal, MD, RSO	4. TELEPHONE NUMBER 765-932-4111
<input checked="" type="checkbox"/> Main Office Inspection		Next Inspection Date: April 2009	
<input type="checkbox"/> Field			
<input type="checkbox"/> Temporary Job Site			

PROGRAM SCOPE

This active medical program performs about 50 diagnostic nuclear medicine procedures monthly consisting of cardiac studies using Tc99m Cardiolite and other nuclear medicine procedures as needed. One full-time and one part-time technologists perform all procedures. The licensee does not use xenon-133 or moly/tc99 generators. Unit doses are received from an area pharmacy.

The licensee performed two iodine-131 treatments in 2003, however, this modality has been inactive since that time.

Performance Observations

Interviews conducted with available staff revealed an adequate level of understanding of emergency and material handling procedures and techniques. Dose calibrator constancy checks, area surveys, package check-in procedures and injection techniques were successfully demonstrated or described. Proper personal dosimetry was observed worn by available staff during the inspection. Interviews conducted regarding QMP administrations demonstrated adequate responses. Random review of QMP documentation for 2003 did not demonstrate problems or concerns in this program area.

The hot-lab room was observed locked upon arrival and adequate surveillance was well maintained during the review. Licensed material was not readily accessible to members of the general public.

Independent measurements taken indicated 0.04 mr/hr maximum in the hot-lab area and essentially background (0.02mr/hr) in imaging and unrestricted areas.

Personal dosimetry records reviewed for 2005 indicated 290 mRem extremity and 134 mRem whole-body. YTD 2006 demonstrated "M" extremity and 19 mRem whole-body.

The licensee retains a consultant to perform compliance audits quarterly. A review of these documents, along with interviews of technical staff indicated adequate program oversight.

