

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

1. LICENSEE Dukes Health System, LLC REPORT NUMBER(S) 2007-001		2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road Lisle, IL 60532	
3. DOCKET NUMBER(S) 030-14065	4. LICENSE NUMBER(S) 13-18703-01	5. DATE(S) OF INSPECTION April 18, 2007	
6. INSPECTION PROCEDURES 87131	7. INSPECTION FOCUS AREAS 03.01-03.07		
SUPPLEMENTAL INSPECTION INFORMATION			
1. PROGRAM 2120	2. PRIORITY G3	3. LICENSEE CONTACT Marvin Dean Dziabis, MD, RSO	4. TELEPHONE NUMBER 765-472-8000
<input checked="" type="checkbox"/> Main Office Inspection		Next Inspection Date: April 2010	
<input type="checkbox"/> Field			
<input type="checkbox"/> Temporary Job Site			

PROGRAM SCOPE

This 80 bed hospital performs about 40 diagnostic nuclear medicine procedures monthly. Approximately 60 percent of the program is cardiac imaging. Licensed material is obtained from an area pharmacy in the form of unit doses. One full-time and two part-time technologists are on staff.

The licensee has not performed radiopharmaceutical treatments involving iodine-131 since 2005 when the only physician users authorized for this modality left the facility. The licensee is considering one physician currently on the license to fill this role through license amendment.

A medical consultant is available quarterly to audit the existing program which adequately oversees licensed activities.

Performance Observations

Interviews conducted with available staff revealed an adequate level of understanding of emergency and material handling procedures and techniques. Daily dose calibrator checks, package surveys and wipes, patient injections and area surveys, were demonstrated/observed with no problems noted. QMP reviews for 2005 included properly documented written directives, patient instructions and identity verification.

The licensee exchanges personal dosimetry monthly. A record review of dosimetry readings for 2006 revealed maximum whole body and extremity readings of 29 mrem and 134 mrem respectively. YTD 2007 whole-body exposures were "0" mrem and 55 mrem extremity were indicated.

Overall, licensed material was observed adequately secured and/or under surveillance during the review and was not readily accessible to members of the general public. The licensee's sealed source inventory was verified during the inspection. Independent measurements taken in the hot lab area revealed 0.5mr/hr behind the lead shield and essentially background (0.02mr/hr) in restricted and unrestricted areas.

