

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

1. LICENSEE QHG of Indiana, Inc. REPORT 2006-001		2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road Lisle, IL 60532	
3. DOCKET NUMBER(S) 030-01594	4. LICENSE NUMBER(S) 13-01535-01	5. DATE(S) OF INSPECTION December 19, 2006	
6. INSPECTION PROCEDURES 87131/87132	7. INSPECTION FOCUS AREAS 03.01-03.07		
SUPPLEMENTAL INSPECTION INFORMATION			
1. PROGRAM 2120	2. PRIORITY G3	3. LICENSEE CONTACT Randall Phillips, M.D., RSO	4. TELEPHONE NUMBER 219-435-7001
<input checked="" type="checkbox"/> Main Office Inspection <input type="checkbox"/> Field <input type="checkbox"/> Temporary Job Site		Next Inspection Date: <u>December 2009</u>	

PROGRAM SCOPE

This large medical program performs about 525 diagnostic nuclear medicine procedures monthly. The licensee no longer receives a Moly/Tc99m generator and licensed material is obtained from an area pharmacy in the form of unit doses. Five full-time technologists are on staff. Approximately 35 lung ventilations are performed monthly using Tc99m aerosol.

The licensee performs approximately 15 iodine-131 HTT's and 2 treatments for ablation monthly, both in capsule form. The licensee occasionally performs treatments utilizing Sr-89 and Y-90.

The conventional brachytherapy program is limited to about 30 iodine-125 ultrasound guided prostate implants annually. Cesium-137 and/or iridium-192 implants are not performed. Radiation Oncology Associates (License No. 13-32551-01) is located within the hospital campus (Suite 110) and performs treatment planning support for the prostate implant program.

Performance Observations

Interviews conducted with available nuclear medicine staff revealed an adequate level of understanding of emergency and material handling procedures and techniques. Patient injections observed included the use of gloves, personnel dosimetry, and proper clothing. In addition, appropriate responses were given regarding radiopharmaceutical administrations.

Personal dosimetry records were reviewed for 2005 and YTD 2006 for nuclear medicine indicated maximum 2005 whole body and extremity readings of 870 mrem and 4750 mrem respectively. YTD 2006 readings were 696 mrem whole body and 1543 mrem extremity. Exposures for radiation oncology staff revealed "0" mrem whole body and extremity respectively for 2005 and "0" whole body and 49 mrem extremity for 2006. One monitored declared pregnant worker revealed maximum fetal exposure of 251 mrem from declaration to completion.

Overall, licensed material was observed adequately secured during the review and was not readily accessible to members of the general public. Independent measurements taken in the hot lab area revealed 0.5mr/hr in storage and essentially background (0.02mr/hr) in restricted and unrestricted areas.