



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



1. LICENSEE <b>St. Anthony's Medical Center</b> REPORT NUMBER(S) <b>2006-001</b>		2. NRC/REGIONAL OFFICE <b>Region III</b> <b>2443 Warrenville Road</b> <b>Lisle, IL 60532</b>	
3. DOCKET NUMBER(S) <b>030-10108</b>	4. LICENSE NUMBER(S) <b>24-01041-01</b>	5. DATE(S) OF INSPECTION <b>1/19/2006</b>	
6. INSPECTION PROCEDURES USED <b>87130/87131/87132</b>		7. INSPECTION FOCUS AREAS <b>03.01-03.07</b>	
<b>SUPPLEMENTAL INSPECTION INFORMATION</b>			
1. PROGRAM CODE(S) <b>02240</b>	2. PRIORITY <b>G2</b>	3. LICENSEE CONTACT <b>Dr. Mark Pohlman - RSO</b>	4. TELEPHONE NUMBER <b>314-525-1688</b>
<input checked="" type="checkbox"/> Main Office Inspection		Next Inspection Date: <u>1/2008</u>	
<input type="checkbox"/> Field			
<input type="checkbox"/> Temporary Job Site			

**PROGRAM SCOPE**

Permitted under 10 CFR 35.400: The licensee performs approximately 30-40 permanent implant cases using Iodine-125 per year and one case using Cs-137 per year.

Permitted under 10 CFR 35.300: The licensee performs approximately 20 iodine-131 whole body scans per year, 1-3 treatments per month for hyperthyroid and carcinoma. The licensee also administers 1-2 treatments using Sr-89 per year.

Permitted under 10 CFR 35.100 and 35.200: The licensee performs approximately 5-10 administrations per day. The licensee primarily uses Technetium-99m for various types of scans. The licensee receives unit doses only in the nuclear medicine department. Since this area was inspected in 2004 and is normally inspected on a 5-year inspection frequency, this portion of the program was not inspected during this site inspection.

The licensee has not performed any activities under 10 CFR 35.500.

The licensee does not possess any Gadolinium-153 sources.

The licensee has not performed any activities under 10 CFR 35.1000 and all sources have been returned to the manufacturer.

The licensee performed 5-10 brachytherapy cases per year using a mobile HDR unit which contains a nominal 10 curies of Ir-192.

**Performance Observations**

The inspector interviewed the licensee's management, radiation safety officer, authorized users and other staff members and found that personnel were knowledgeable regarding their responsibilities under the license. The licensee adequately demonstrated to the inspector proper techniques regarding the use, handling and storage of licensed material. The inspector performed a selected physical inventory of licensed material and reviewed the licensee's program for securing licensed material from unauthorized access or removal; no abnormal issues were identified. The inspector performed independent surveys and did not identify any abnormal radiation measurements. The inspector reviewed a selected number of written directives from the cases involving the HDR program, manual brachytherapy program and non-sealed source treatment programs. The inspector did not identify any regulatory issues during the review. The inspector reviewed a representative sample of the licensee's dosimetry records for 2003, 2004 and 2005 and noted that exposures to employees were less than regulatory limits.