



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

1. LICENSEE <b>Memorial Healthcare Center</b>		2. NRC/REGIONAL OFFICE <b>Region III</b>	
REPORT NUMBER(S) <b>2007-001</b>			
3. DOCKET NUMBER(S) <b>03002100</b>	4. LICENSE NUMBER(S) <b>21-11475-01</b>	5. DATE(S) OF INSPECTION <b>October 30, 2007</b>	
6. INSPECTION PROCEDURES USED <b>87131 (10/24/02)</b>	7. INSPECTION FOCUS AREAS <b>03.01 - 03.07</b>		
<b>SUPPLEMENTAL INSPECTION INFORMATION</b>			
1. PROGRAM CODE(S) <b>02120</b>	2. PRIORITY <b>3</b>	3. LICENSEE CONTACT <b>Sandra Boatwright, CNMT</b>	4. TELEPHONE NUMBER <b>989/723-5211</b>
<input checked="" type="checkbox"/> Main Office Inspection		Next Inspection Date: <b>October 2010</b>	
<input type="checkbox"/> Field Office			
<input type="checkbox"/> Temporary Job Site Inspection			

**PROGRAM SCOPE**

The licensee was a medical institution located in Owosso, Michigan and authorized by the license to use any byproduct material permitted by 10 CFR 35.100, 35.200, 35.300, and 35.400, as implant seeds, at the location specified on the license.

The nuclear medicine department was staffed with three full-time nuclear medicine technologists (NMTs) and one part-time NMT. The NMT staff administered an average of 7 studies per day and averaged one Iodine-131 therapy per month in capsule form. The diagnostic procedures were predominately technetium-99m cardiac, bone, and lung imaging. The nuclear medicine department received unit doses from an area nuclear pharmacy. Samarium-153 has been administered, but very infrequently. All waste was either held for decay-in-storage (DIS) or returned to the nuclear pharmacy as limited quantity shipments.

The licensee's radiation therapy department (10 CFR 35.400) consists of authorized users and a medical physicist from McLauren Hospital authorized by the license to treat prostate patients, unable to travel to larger metro areas for treatment. Prostate patients are treated using Pd-103.

**Performance Observations**

During the inspection, the licensee's NMTs demonstrated/discussed: (1) survey meter use and calibrations; (2) package check-in procedures; (3) dosage prep and labeling; (4) wipe test counting; (5) dosimetry; (6) written directives; (7) waste handling; (8) sealed source inventories; (9) routine security of licensed material; (10) I-131 procedures; (11) dose calibrator tests; (12) radiation safety program audits; (13) seed therapy procedures; and (14) samarium-153 assay procedures.