

**SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION**

1. LICENSEE Spectrum Health – Reed City Campus REPORT NUMBER(S) 2009-001		2. NRC/REGIONAL OFFICE NRC Region III 2443 Warrenville Road, Suite 210 Lisle, Illinois 60532-4351	
3. DOCKET NUMBER(S) 030-34534	4. LICENSE NUMBER(S) 21-32023-01	5. DATE(S) OF INSPECTION Jan. 16, 2009	
6. INSPECTION PROCEDURES USED 87130	7. INSPECTION FOCUS AREAS 03.01 – 03.08		

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02121	2. PRIORITY 5	3. LICENSEE CONTACT Robert H. Smereka, M.S.	4. TELEPHONE NUMBER 231-832-3271
<input checked="" type="checkbox"/> Main Office Inspection		Next Inspection Date: Jan. 2014	
<input type="checkbox"/> Field Office			
<input type="checkbox"/> Temporary Job Site Inspection			

PROGRAM SCOPE

The licensee was an 80-bed hospital located in Reed City, Michigan, which primarily served patients from the local county. Licensee had authorization to perform procedures using byproduct materials under 10 CFR 35.100 and 35.200. Licensed activities were conducted only at the location indicated on the license. The nuclear medicine department was staffed with one full-time nuclear medicine technologist, who typically administered around 100 diagnostic doses monthly. Doses were primarily technetium-99m unit doses for cardiac, bone, and other procedures, as well as iodine-123 and iodine-131 (less than 10 µCi) capsules. All waste was either held for decay in storage or returned to the radiopharmacy.

The licensee had added a new cardiac stress lab since the last inspection. The lab was consistent with the area map provided to NRC for the amendment request.

Performance Observations

The inspector observed two diagnostic administrations of licensed material including dose preparation and disposal, and noted no concerns with the activities. Licensee personnel demonstrated well counter and survey meter QC, package receipt and return surveys (including surveys and wipe tests), dose calibrator constancy tests, and daily and weekly contamination surveys, and described a variety of diagnostic procedures, kit preparation, and waste disposal. The inspector noted no issues with these activities. Interviews with licensee staff indicated adequate knowledge of radiation safety concepts and procedures. Surveys indicated appropriate radiation levels in restricted and unrestricted areas, consistent with licensee surveys and postings.