

**SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION**

1. LICENSEE Grand River Health System Corporation REPORT NUMBER(S) 2008-001		2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road, Suite 210 Lisle, IL 60532	
3. DOCKET NUMBER(S) 030-34539	4. LICENSE NUMBER(S) 24-32027-01	5. DATE(S) OF INSPECTION Sept. 29, 2008	
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 Jack L. Bridges, M.D., RSO	4. TELEPHONE NUMBER 660-646-1480
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<input checked="" type="checkbox"/> Main Office Inspection	Next Inspection Date: <u>Sept. 2013</u>
<input type="checkbox"/> Field Office	
<input type="checkbox"/> Temporary Job Site Inspection	

PROGRAM SCOPE

The licensee was a 40-bed hospital located in Chillicothe, Missouri, which served patients from the local and surrounding counties. 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 for cardiac, bone, and other tests, received as unit doses from a licensed radiopharmacy or prepared as kits from bulk technetium. In addition, the licensee used occasional unit doses of gallium-67 and iodine-123. All waste was either held for decay-in-storage or returned to the radiopharmacy.

The licensee had renovated the nuclear medicine area since the previous inspection, and the map provided to the NRC was consistent with the renovated area.

Performance Observations

The inspector observed one administration of licensed material including dose preparation and disposal. Licensee personnel demonstrated dose calibrator constancy, survey meter and wipe counter QC, a package receipt survey (meter survey and wipes), waste tracking and disposal, and daily and weekly contamination surveys, and described lung, bone, and thyroid scans. The inspector identified 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.