

# SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION



1. LICENSEE/LOCATION INSPECTED: St. Francis Medical Center 211 St. Francis Dr. Cape Girardeau, MO 63703 REPORT NUMBER(S) 2007-001		2. NRC/REGIONAL OFFICE REGION III US NUCLEAR REGULATORY COMMISSION 801 WARRENVILLE ROAD LISLE IL 60532-4351	
3. DOCKET NUMBER(S) 030-02269	4. LICENSE NUMBER(S) 24-00158-03	5. DATE(S) OF INSPECTION March 13, 2007	

**LICENSEE:**

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, NUREG-1600, to exercise discretion, were satisfied.

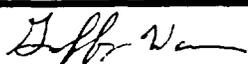
\_\_\_\_\_ non-cited violation(s) were discussed involving the following requirement(s):

- 4. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.

(Violations and Corrective Actions)

### Statement of Corrective Actions

I hereby state that, within 30 days, the actions described by me to the Inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

TITLE	PRINTED NAME	SIGNATURE	DATE
LICENSEE			
NRC INSPECTOR	Geoffrey M. Warren		3/13/07

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



1. LICENSEE <b>St. Francis Medical Center</b> REPORT NUMBER(S) 2007-001		2. NRC/REGIONAL OFFICE <b>Region III</b>	
3. DOCKET NUMBER(S) <b>030-02269</b>	4. LICENSE NUMBER(S) <b>24-00158-03</b>	5. DATE(S) OF INSPECTION <b>March 13, 2007</b>	
6. INSPECTION PROCEDURES USED <b>87131, 87132</b>	7. INSPECTION FOCUS AREAS <b>03.01 - 03.08; 03.01 - 03.08</b>		
<b>SUPPLEMENTAL INSPECTION INFORMATION</b>			
1. PROGRAM CODE(S) <b>02120</b>	2. PRIORITY <b>3</b>	3. LICENSEE CONTACT <b>Mark Gates, M.D., RSO</b>	4. TELEPHONE NUMBER <b>573-335-1251</b>

Main Office Inspection      Next Inspection Date: **Mar. 2010**

Field Office \_\_\_\_\_

Temporary Job Site \_\_\_\_\_

**PROGRAM SCOPE**

The licensee was a 275-bed hospital located in Cape Girardeau, Missouri, which served southeast Missouri and southern Illinois. Licensee had authorization to use byproduct materials under Sections 35.100, 35.200, and 35.300. While authorized to use iodine-125 seeds under 35.400, the licensee had not ordered material or performed such procedures. Licensed activities were conducted only at the facility identified on the license. The new nuclear medicine area was as described in information submitted to the NRC.

The nuclear medicine department was staffed with three full-time nuclear medicine technologists, and two nurses in cardiology had been trained to administer cardiac stress doses. The licensee's nuclear medicine staff typically administered 400 diagnostic doses monthly in the nuclear medicine and cardiology areas. Doses were primarily technetium-99m for cardiac, bone, and other studies. In addition, licensee performed studies using gallium-67 and indium-111. Doses were received as unit doses from a licensed radiopharmacy or prepared from bulk technetium. Licensee performed around 35 iodine-131 treatments annually, including whole-body scans, hyperthyroid treatments and thyroid ablations with the iodine-131 in capsule form. All waste was held for decay-in-storage or returned to the radiopharmacy.

**Performance Observations**

The inspector observed two diagnostic administrations of licensed material including dose preparation and disposal, and identified no issues with the procedures. Licensee personnel demonstrated package receipt, dose calibrator constancy tests, and survey meter QC procedures. The inspector found no concerns with these activities. The inspector reviewed radiation safety committee minutes and written directives for iodine-131 procedures, and found no issues. Interviews with licensee staff indicated adequate knowledge of radiation safety procedures. Radiation surveys indicated radiation levels consistent with licensee survey records.