

NRC FORM 591M PART 1

U.S. NUCLEAR REGULATORY COMMISSION

(10-2003)

10 CFR 2.201

## SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Terre Haute Regional Hospital  
3901 South 7<sup>th</sup> Street  
Terre Haute, IN 47802

REPORT 2005/001

2. NRC/REGIONAL OFFICE

U.S. Nuclear Regulatory Commission  
Region III  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4351

3. DOCKET NUMBER(S)

030-09540

4. LICENSEE NUMBER(S)

13-09649-02

5. DATE(S) OF INSPECTION

12/ / 2005

## 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) was/were discussed involving the following requirement(s) and Corrective Action(s):

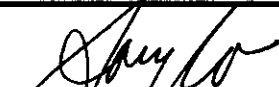


4. During this inspection certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.

(Violations and Corrective Actions)

## Licensee's Statement of Corrective Actions for Item 4, above.

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'S REPRESENTATIVE			
NRC INSPECTOR	Tony S. Go		12/ / 05

Issue Date: 11/25/03

E8-1

2800, Enclosure 8

NRC FORM 591M PART 3 <small>(10-2003) 10 CFR 2.201</small>		U.S. NUCLEAR REGULATORY COMMISSION	
<b>Docket File Information</b> <b>SAFETY INSPECTION REPORT</b> <b>AND COMPLIANCE INSPECTION</b>			
1. LICENSEE <b>Terre Haute Regional Hospital</b> REPORT NUMBER(S) <u>2005/001</u>		2. NRC/REGIONAL OFFICE U.S. Nuclear Regulatory Commission Region III	
3. DOCKET NUMBER(S) <b>030-09540</b>	4. LICENSE NUMBER(S) <b>13-09649-02</b>	5. DATE(S) OF INSPECTION <b>12/01/2005</b>	
6. INSPECTION PROCEDURES <b>87131</b>	7. INSPECTION FOCUS AREAS <b>03.01 - 03.07</b>		
<b>SUPPLEMENTAL INSPECTION INFORMATION</b>			
1. PROGRAM <b>2240</b>	2. PRIORITY <b>2</b>	3. LICENSEE CONTACT <b>Ayman Ghoniem, MD</b>	4. TELEPHONE NUMBER <b>(812)-237-9326</b>
<input checked="checked" type="checkbox"/> Main Office Inspection		Next Inspection Date: <b>12/07</b>	
<input type="checkbox"/> Field Office			
<input type="checkbox"/> Temporary Job Site			
<b>PROGRAM SCOPE</b>			

NRC FORM 591M PART 3 (10-2003)

### Program Scope

This licensee is large 380-bed hospital facility in Terre Haute, Indiana. The license authorizes the possession and use of materials described in 10 CFR 35.100, 200, 300, and 400 at the listed location in Terre Haute. As of the inspection date, the licensee performed approximately 200 diagnostic studies per month. In addition, the licensee also performed approximately ten to twelve hyperthyroid treatments using I-131 at the nuclear medicine department, and the licensee performed three carcinoma therapies per year using iodine-131 at the oncology department. All thyroid carcinoma patients treated by the oncology department were admitted to the hospital. As of the inspection date, the nuclear medicine department was staffed by only one nuclear medicine technologist due to the recent departure of two technologists in the recent two months. They were in the process of hiring additional technologists at this time.

The licensee also authorized to perform stent therapy for re-stenosis with approved IVB devices, however, the licensee had not obtained the device, and according to the licensee's management, the licensee will be amending the license to remove the listed IVB device from the license. The radiation safety staff consisted of a full time Radiation Safety Officer (RSO), a consultant medical physicist, and a consultant radiological physicist. Since the last inspection, the radiological physicist conducted quarterly audits of the licensee's Radiation Safety program. The licensee maintained Radiation Safety Committee meeting on quarterly basis per 10 CFR 35.24 (f). The oncology department performed five manual GYN brachytherapy treatments with cylinder devices in 2005, and performed many routine prostate implants using I-125 seeds. As of the inspection date, the licensee's oncology department had not experienced medical events since the last inspection.

### Performance Observations

During the inspection, the inspector did not identify problems with the nuclear medicine technologist, the individual was found knowledgeable in radiation safety and isotope handling techniques. The technologist demonstrated to the inspector the proper use of radiation survey meter that included the operability checks, package receipt and transfer, radwaste handling, and emergency procedures. The inspector found that the overall housekeeping of the hot lab areas at the nuclear and oncology department was generally be characterized as good. The waste at both departments was held for decay-in-storage (DIS) at the approved waste storage location. No violations were identified during the inspection of both nuclear medicine and oncology departments.