

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:

Hackley Hospital  
1700 Clinton Street  
Muskegon, MI 49443

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)

030-02044

4. LICENSEE NUMBER(S)

21-04125-01

5. DATE(S) OF INSPECTION

09/19/2005

## 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		09/19/05

NRC FORM 591M PART 3 (10-2003) 10 CFR 2.201		U.S. NUCLEAR REGULATORY COMMISSION	
<b><i>Docket File Information</i></b> <b>SAFETY INSPECTION REPORT</b> <b>AND COMPLIANCE INSPECTION</b>			
1. LICENSEE <b>Hackley 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>030-02044</b>	4. LICENSE NUMBER(S) <b>21-04125-01</b>	5. DATE(S) OF INSPECTION <b>09/16/2005</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>2120</b>	2. PRIORITY <b>3</b>	3. LICENSEE CONTACT <b>David Waid, MD</b>	4. TELEPHONE NUMBER <b>231-728-4847</b>
<input checked="checked" type="checkbox"/> Main Office Inspection		Next Inspection Date: <b>09/08</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 located in downtown Muskegon, MI. The hospital performed approximately 600 diagnostic and therapeutic nuclear medicine procedures per month. The licensee ordered daily unit doses from GE-Amersham pharmacy located in Grand Rapids. As of the inspection date, the licensee also performed approximately 40 thyroid therapies with I-131. The licensee administered these iodine doses in capsule form. In addition, the licensee infrequently administered palliative doses containing Sm-153, approximately one to two doses per year. The licensee employed six technologists and 18 authorized physicians. In addition, the licensee also conducted quarterly radiation safety committee meetings because the license authorized the hospital to use materials as listed in sections 10 CFR 35.100, 200, 300 and 35.400. The licensee radiation therapy department performed only one low dose brachytherapy per year. During a low dose brachytherapy, the RSO/physicist routinely performed radiation surveys on the patient and the treatment room. The inspector determined through a record review that treatment plans for low dose implants were performed by a board certified Medical-Physicist which is the current RSO listed on the license.

### Performance Observations

During the inspection, the licensee's technologists demonstrated the following activities to the inspector: the daily radiation survey; and the weekly removable contamination surveys. During the performance-based inspection, the inspector observed that the licensee's technologists used both whole body and extremity dosimeters during administration and during handling of licensed materials. The inspector observed nuclear medicine technologists use syringe shields, dosimeters, lab coats and gloves while handling radioactive materials. No violations of NRC requirements were identified during the inspection.