

### SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Henry Ford Macomb Hospital 15855 19 mile Rd Mt. Clemens, MI 48038		2. NRC/REGIONAL OFFICE REGION III US NUCLEAR REGULATORY COMMISSION 2443 WARRENVILLE ROAD LISLE IL 60532-4351	
REPORT NUMBER(S) 2010-001			
3. DOCKET NUMBER(S) 030-02106	4. LICENSE NUMBER(S) 21-11850-01	5. DATE(S) OF INSPECTION March 25, 2010	

**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	G. Park		3/25/10

**Docket File Information**  
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3. DOCKET NUMBER(S) 030-02106		4. LICENSE NUMBER(S) 21-11850-01	5. DATE(S) OF INSPECTION March 25, 2010
6. INSPECTION PROCEDURES USED 87132		7. INSPECTION FOCUS AREAS 03.01 - 03.07	

**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S) 2230	2. PRIORITY 2	3. LICENSEE CONTACT Khurram Rashid, MD	4. TELEPHONE NUMBER 586-263-2400
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Main Office Inspection                      Next Inspection Date: 03/25/2012

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

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

**PROGRAM SCOPE**

Licensee is a medium sized medical facility associated with the Henry Ford Medical Group of Detroit, Michigan. This facility is located in Mt. Clemens, Michigan. Licensee has a nuclear medicine program which employs four nuclear medicine technologists. Licensee gets its radiopharmaceuticals in the form of unit doses from G. E. Health Care. On a daily basis, licensee sees approximately 20 patients. Licensee also has an oncology program staffed by a medical physicist and two oncology doctors.

**PERFORMANCE OBSERVATIONS**

The inspector toured the nuclear medicine facility and interviewed members of the staff. Each seemed to have an adequate level of knowledge of radiation safety. Licensee uses dosimetry from Landauer. There have been no instances where staff members exceeded alara level I. Licensee performs thyroid therapy using I-131. The inspector reviewed the written directives for each therapy performed in 2010. No abnormalities were noted. The inspector observed patient interaction by the staff as they administered radiopharmaceuticals. Members of the staff used good technique in drug administration.

The inspector toured the oncology department. The department is manned by a medical physicist and two radiation oncology doctors. Licensee performed the daily quality assurance checks of the high dose rate after loader (HDR) for the inspector. All the checks were performed satisfactorily. Licensee has treated twelve patients with the HDR unit during 2010. The inspector reviewed the charts for four of those cases. No abnormalities were detected. Licensee has implanted one case with I-125 seeds for prostate carcinoma. The inspector reviewed that case in detail. The written directive was as required and the post implant radiographs showed all seeds accounted for in the prostate. No deviation from requirements was noted.

