

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Karmanos Cancer Center
4100 John R
Detroit, MI 48201

REPORT NUMBER(S) 2008003

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

03009376

4. LICENSEE NUMBER(S)

21-04127-06

5. DATE(S) OF INSPECTION

May 1, 2008

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	G. Parker		5/1/08

ML 081680 274

(10-2003)
10 CFR 2.201

Docket File Information
SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION

1. LICENSEE Karmanos Cancer Center REPORT NUMBER(S) 2008-003		2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road Lisle, IL 60532	
3. DOCKET NUMBER(S) 030-09376	4. LICENSE NUMBER(S) 21-04127-06	5. DATE(S) OF INSPECTION 5/1/08	
6. INSPECTION PROCEDURES USED 87133	7. INSPECTION FOCUS AREAS 03.01-03.07		
SUPPLEMENTAL INSPECTION INFORMATION			
1. PROGRAM CODE(S) 2310	2. PRIORITY 2	3. LICENSEE CONTACT Joseph Rakow	4. TELEPHONE NUMBER 313/745-1435
<input checked="" type="checkbox"/> Main Office Inspection		Next Inspection Date: <u>5/2010</u>	
<input type="checkbox"/> Field Office _____			
<input type="checkbox"/> Temporary Job Site _____			

PROGRAM SCOPE

The licensee is a large hospital located in Detroit, Michigan. The licensee primarily treats patients having cancer with gamma steriotactic surgery and a HDR unit. The licensee has performed conventional brachytherapy and prostate seed implants but discontinued the practice approximately five years ago. Currently, this licensee treats approximately three patients per week with the gamma knife and approximately six patients per week with the HDR.

Performance Observations

The inspector toured the facilities and interviewed authorized users/staff members. Each appeared knowledgeable in radiation safety. Package source receipt procedures were demonstrated for the inspector as well as how rad waste is handled. Independent surveys by the inspector did not detect any abnormal readings and were within the expected range.

The inspector observed the staff perform the daily checks of the HDR unit including testing the alarm system and dwell positions using film. Techniques employed by the staff demonstrated good practices as well as adequate knowledge of radiation safety.

The inspector reviewed all the written directives for both the gamma knife and HDR for 2008. No abnormalities were observed.

This inspection was a follow-up to previous escalated enforcement. Licensee has implemented appropriate corrective action for the previous violations.