

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Karmanos Cancer Center
4100 John R Street
Detroit, MI 48201

2. NRC/REGIONAL OFFICE

Region III
U. S. Nuclear Regulatory Commission
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

REPORT NUMBER(S) 2016-001

3. DOCKET NUMBER(S)

030-09376

4. LICENSE NUMBER(S)

21-04127-06

5. DATE(S) OF INSPECTION

April 7, 2016

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:

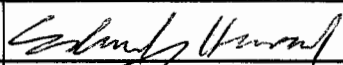
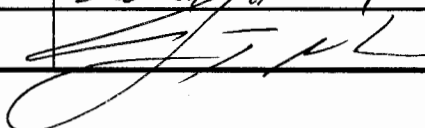
- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, 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 in accordance with NRC Enforcement Policy. 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'S REPRESENTATIVE			
NRC INSPECTOR	Edward F. Harvey		4/7/16
BRANCH CHIEF	Anna T. McCann		4/18/16

Docket File Information
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6. INSPECTION PROCEDURES USED 87133	7. INSPECTION FOCUS AREAS 3.01-3.07
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02310	2. PRIORITY 2	3. LICENSEE CONTACT Joseph T. Rakowski, Ph.D	4. TELEPHONE NUMBER (313) 745-1435
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Main Office Inspection Next Inspection Date: _____

Field Office Inspection _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

This was an unannounced, enforcement follow-up inspection to determine if the licensee implemented corrective actions to prevent recurrence of two violations of NRC requirements identified during the previous routine inspection. The licensee was authorized to use a high dose-rate remote afterloading brachytherapy device (HDR) as permitted by 10 CFR 35.600.

The first was a violation of 10 CFR 35.643(d), in which the licensee did not include a daily spot-check to ensure the proper operation of their source exposure indicator lights within their remote afterloader treatment room. The inspector verified that the licensee had updated their daily spot-check procedure to include a verification of source exposure indicator light operability using the treatment room camera to prevent recurrence of this violation.

The second was a violation of 35.610(a)(3), in which the licensee did not have a means to prevent dual operation of their HDR and C-Arm x-ray units within the treatment room. The inspector verified that the licensee had updated their daily spot-check procedure to include a verification that the x-ray device key is removed prior to the HDR treatment to prevent dual operation of the devices.

No violations were identified during this inspection and the previous violations were considered closed.