

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:

Providence Hospital  
Providence Cancer Center  
22301 Foster Winter Drive  
Southfield, MI 48075

REPORT NUMBER(S) 14-001

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

030-33776

4. LICENSE NUMBER(S)

21-26632-01

5. DATE(S) OF INSPECTION

November 5, 2014

**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	Deborah A. Piskura / Dennis P. O'Dowd	<i>Deborah A. Piskura / Dennis P. O'Dowd</i>	11/5/14
BRANCH CHIEF	Aaron T. McCraw, Chief, MIB	<i>Ben Lambert for</i>	11/13/14

**Docket File Information**

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6. INSPECTION PROCEDURES USED  87132	7. INSPECTION FOCUS AREAS  03.01- 03.07
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  02230	2. PRIORITY  2	3. LICENSEE CONTACT  Vrinda Narayana, Ph.D., RSO	4. TELEPHONE NUMBER  (248) 849-8622
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Main Office Inspection                      Next Inspection Date: 11/05/2016

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

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

**PROGRAM SCOPE**

This was routine inspection of the cancer center for Providence Hospital. This licensee was a free-standing cancer treatment center, adjacent to Providence Hospital's Southfield campus (NRC License No. 21-02802-03), and authorized for Ir-192 in an HDR unit. The radiation oncology department was staffed with five AMPs and four authorized physician users. The licensee administered approximately 50 patient treatments annually utilizing its HDR. The majority of these treatments were for gynecological cancers. All HDR patient treatments were administered by the attending radiation oncologist and the AMP; the AMP operated the controls to the HDR unit. Service, maintenance, and source exchanges were performed by the HDR device manufacturer.

This inspection consisted of interviews with licensee personnel, a review of select records, a tour of the cancer center, and independent measurements. The inspectors observed licensee personnel perform HDR QA and safety tests, security of byproduct material, and use of personnel monitoring.

No violations of NRC requirements were identified during this inspection.