

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  Beaumont Health System Department of Radiation Oncology 3601 W. Thirteen Mile Road Royal Oak, Michigan 48073  REPORT NUMBER(S) 2018001		2. NRC/REGIONAL OFFICE  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S)  030-37359	4. LICENSE NUMBER(S)  21-01333-02	5. DATE(S) OF INSPECTION  April 10-11, with in-office review through April 20, 2018	

**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	Geoffrey Warren, Sr. HP/Luis Nieves, HP	<i>[Signature]</i>	4/30/18
BRANCH CHIEF	Aaron McCraw	<i>[Signature]</i>	5/1/18

**Warren, Geoffrey**

---

**From:** Warren, Geoffrey  
**Sent:** Tuesday, May 01, 2018 7:28 AM  
**To:** 'Ann.Maitz@Beaumont.org'  
**Cc:** McCraw, Aaron  
**Subject:** NRC Inspection Report, Beaumont Health System  
**Attachments:** Beaumont Health System 2018001 - 591M.pdf

As a result of the inspection conducted on April 10-11, 2018, with in-office review through April 20, 2018, at your facility in Royal Oak, Michigan, the attached NRC Form 591M is issued. You will note that this form indicates that there were no violations identified during the inspection. No response to the report or to this email is required.

In accordance with Title 10 of the Code of Federal Regulations, Section 2.390, of the NRC's "Rules of Practice," a copy of this message and its attachment will be available electronically for public inspection in the NRC's Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC's website at <http://www.nrc.gov/reading-rm/adams.html>.

Please feel free to contact me if you have any questions regarding this correspondence.

--

Geoffrey Warren  
Senior Health Physicist (Inspector)  
NRC Region III, Lisle, IL  
630-829-9742

**Docket File Information**

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  Beaumont Health System Department of Radiation Oncology 3601 W. Thirteen Mile Road Royal Oak, Michigan 48073  REPORT NUMBER(S) 2018001	2. NRC/REGIONAL OFFICE  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352
--	---

3. DOCKET NUMBER(S)  030-37359	4. LICENSE NUMBER(S)  21-01333-02	5. DATE(S) OF INSPECTION  April 10-11, with in-office review through April 20, 2018
--------------------------------------	---	---

6. INSPECTION PROCEDURES USED  87133	7. INSPECTION FOCUS AREAS  03.01 - 03.09
--	--

**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  02310	2. PRIORITY  2	3. LICENSEE CONTACT  Ann Maitz, M.S., RSO	4. TELEPHONE NUMBER  (248) 551-1194
---------------------------------	----------------------	---	---

Main Office Inspection      Next Inspection Date: 04/10/2020

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

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

**PROGRAM SCOPE**

This was an unannounced routine inspection. Under this license, the licensee operated a medical Gamma Stereotactic Radiosurgery (GSR) device as described on the license. The licensee employed eight authorized user physicians, three physicists, and three therapists who were involved in GSR procedures. Approximately 30 patients were treated monthly using the GSR device.

Performance Observations: The inspectors observed two GSR procedures, including planning, changing collimators, and administration. Licensee personnel demonstrated daily QC and monthly operational checks for the GSR device and validation of calculations, and described leak testing and additional procedures. The inspectors noted no concerns with these activities. The inspector reviewed written directives for GSR treatments and identified no concerns. Interviews with licensee personnel indicated adequate knowledge of radiation safety concepts and procedures. Review of dosimetry records indicated no exposures of regulatory concern. The inspectors performed independent and confirmatory radiation measurements that were consistent with licensee survey records and postings. While not required, the licensee provided a quarterly report to the Beaumont Health System (License No. 21-01333-01) radiation safety committee (RSC); review of RSC meeting minutes indicated good attendance and discussion of appropriate topics.

No violations were identified as a result of this inspection.