NRC FORM 591M PART 1
(10-2003)
10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:	2. NRC/REGIONAL OFFICE
William Beaumont Hospital Dept. of Radiation Oncology Royal Oak, MI REPORT 2007-001	**U.S. Nuclear Regulatory Commission** **Region III** **2443 Warrenville Road** **Suite 210** **Lisle, Illinois 60532-4351**

3. DOCKET NUMBER(S)	4. LICENSEE NUMBER(S)	5. DATE(S) OF INSPECTION
030-37359	21-01333-02	Nov. 28, 2007

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	Deborah A. Piskura	Deborah A. Piskura	11/28/07

NRC FORM 591M PART 3
(10-2003)
10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

Docket File Information

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE	2. NRC/REGIONAL OFFICE
William Beaumont Hospital REPORT NUMBER(S) **2007-001**	**Region III** **801 Warrenville Road** **Lisle, IL 60532**

3. DOCKET NUMBER(S)	4. LICENSE NUMBER(S)	5. DATE(S) OF INSPECTION
030-37359	21-01333-02	Nov. 28, 2007

6. INSPECTION PROCEDURES USED	7. INSPECTION FOCUS AREAS
02310	03.01, 03.02, 03.03, 03.04, 03.05, 03.06, 03.07, and 03.08

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)	2. PRIORITY	3. LICENSEE CONTACT	4. TELEPHONE NUMBER
87133	G 2	Ann Maitz, M.S,, RSO	248.551.6256

[X] Main Office Inspection — Next Inspection Date: Nov. 2009

[ ] Field _____

[ ] Temporary Job Site _____

PROGRAM SCOPE

This licensee was a large medical center/teaching institution with a very active radiation oncology program. The radiation therapy department involving gamma knife activities was staffed with 4 medical physicists (gamma knife physicists), 2 nurses, and 3 physicians (authorized users). The licensee possessed a Leksell Gamma System Model 24001 Type C (gamma knife) containing 201 cobalt-60 sources. The unit was installed in November 2006 by the manufacturer and initially authorized under the licensee's broad scope license (21-01333-01). The licensee filed an application dated 10/24/2006 requesting to authorize the gamma knife unit under separate licensure (the -02 license issued on 12/13/2006). The gamma knife was used at least weekly for treatment of various brain tumors/diseases. The licensee initiated use of its gamma knife on December 18, 2006, and administered 259 patient treatments to date.

This inspection consisted of interviews with licensee personnel, a review of select records, tour of the department, and radiation measurements. The inspector observed the licensee utilizing the gamma knife unit for two patient treatments. The inspector reviewed the written directive for the procedures; observed the licensee staff performing daily QA checks; and observed the patient treatments. The inspector also interviewed the physician authorized user who attended the patients. In addition, the inspector observed the licensee perform the treatment planning for a gamma knife patient treatment.