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
Missouri Baptist Medical Center 3015 North Ballas Road St. Louis, MO 63131 REPORT NUMBER(S) 2008-001	**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
030-08325	24-11128-02	May 19, 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	Deborah A. Piskura	Deborah A. Piskura	5/19/2008

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

Docket File Information

U.S. NUCLEAR REGULATORY COMMISSION

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1. LICENSEE	2. NRC/REGIONAL OFFICE
Missouri Baptist Medical Center REPORT NUMBER(S) 2008-001	**Region III** **2443 Warrenville Road, Suite 210** **Lisle, IL 60532**

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6. INSPECTION PROCEDURES USED	7. INSPECTION FOCUS AREAS
87130, 87131, 87132	03.01 – 03.08

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)	2. PRIORITY	3. LICENSEE CONTACT	4. TELEPHONE NUMBER
02230	2	Thomas J. Moenster, RSO	314-996-5397

[X] Main Office Inspection — Next Inspection Date: May 2010

[ ] Field Office

[ ] Temporary Job Site Inspection

PROGRAM SCOPE

This licensee was a 400-bed hospital, authorized to use licensed material permitted by Sections 35.100, 35.200, 35.300, 35.400, 35.500, and Ir-192 in an HDR. The nuclear medicine department was staffed with seven full-time and one part-time technologists who performed approximately 700+ diagnostic nuclear medicine procedures per month. Nuclear medicine activities were performed in two separate areas within the main hospital (diagnostic studies within the radiology department, and cardiac studies in the cardiac department). The licensee received unit doses from a licensed radiopharmacy. The hospital performed a full spectrum of nuclear diagnostic imaging studies. Typically, in a year the hospital administered 60 hyperthyroidism treatments and 10-15 whole body CA follow up studies. The hospital obtained its I-131 in capsule form only. The licensee retained the services of a consulting physicist to audit the radiation safety program on a quarterly basis.

The radiation therapy activities were performed by two contract medical physicists and three authorized users. Brachytherapy activities included I-125 permanent implants (80 cases annually) and Cs-137/Ir-192 temporary gynecological implants (1-2 cases annually. The department administered 5-7 Sr-89 dosages annually for treatment of metastatic bone disease. Occasionally the department administered Zevalin treatments (5-9 cases annually). The licensee was authorized to receive an HDR unit for clinic use from Midwest Brachytherapy (License No. 24-32280-07), a mobile HDR service licensee. Midwest Brachytherapy installed the unit and performed daily QA and safety checks each day the unit was located onsite. The licensee administered approximately 100+ patient treatments annually. These treatments were for breast, bronchial, surface and gynecological cancers. All HDR patient treatments were administered by the attending oncologist and an authorized medical physicist (therapy technologists do not operate the controls to the HDR unit).

This inspection consisted of interviews with licensee personnel, a review of selected records, tours of the nuclear medicine and radiation oncology departments, and independent measurements. The inspector observed licensee nuclear medicine personnel prepare, assay and administer several unit doses for various imaging procedures. The inspection included observations of dose calibrator QA checks, HDR QA and safety checks, package receipts and surveys, and area surveys.