

NRC FORM 591X PART 1
(11-2001) 10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/CERTIFICATE HOLDER

Location
Inspected:

Madison Medical Center
611 W. Main Street
Fredericktown, Mo. 63645

2. REGIONAL OFFICE

US Nuclear Regulatory Commission
Region III
2443 Warrenville Road, Suite 210
Lisle, IL 60532

REPORT NUMBER(S) 2008-01

3. DOCKET NUMBER(S)

030-35673

4. LICENSE/CERTIFICATE NUMBER(S)

24-32309-01

5. DATE(S) OF INSPECTION

8/13/2008

Inspection Procedures Used:
87131

Inspection Focus Areas: **1 through 7**

LICENSEE/CERTIFICATE HOLDER:

The inspection was an examination of the activities conducted under your license/certificate as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license/certificate. 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:

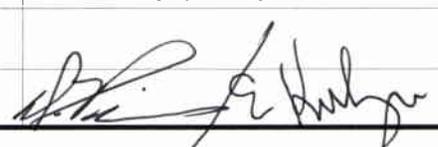
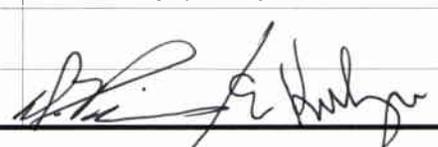
1. Based on the inspection findings, no violations were identified.
2. Previous Violation(s) Closed
3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, NUREG-1600, to exercise discretion, were satisfied.

_____ non-cited violation(s) were discussed involving the following requirement(s):

4. During this inspection certain of your activities, as described in the 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.

STATEMENT OF CORRECTIVE ACTIONS

I hereby state that, within 30 days, the actions described by me to the inspector and as described in the attachment 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/ CERTIFICATE HOLDER	Raymond Murphy, D.O., RSO		8/ /2008
NRC INSPECTOR	Darrel G. Wiedeman/Ed Kulzer		8/13/2008

NRC FORM 591 PART 1 (11-2001)

**SAFETY INSPECTION REPORT AND COMPLIANCE
INSPECTION**

1. LICENSEE/CERTIFICATE HOLDER Madison Medical Center		2. REGIONAL OFFICE Region III, Lisle, IL 60532	
REPORT NUMBER(S) 2008- 01			
3. DOCKET NUMBER(S) 030-35673	4. LICENSE/CERTIFICATE NUMBER(S) 24-32309-01	5. DATE(S) OF INSPECTION 8/ 13 /2008	

Supplemental Inspection Information

Program Code(s): 02120	Priority: 3	Licensee Contact: Raymond Murphy, D.O., RSO	Telephone No. : (573) 783-3341
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- Main Office Inspection Next Inspection Date: **8/2011**
 Field Office
 Temporary Job Site

Program Scope

This licensee is a 12 bed County owned and operated hospital and medical center. Under this license the licensee oversees the nuclear medicine and a limited radiopharmaceutical therapy program.

Nuclear Medicine and Radiopharmaceutical Therapy

The licensee employs one full time nuclear medicine technologist and the department is staffed with two rotating authorized users (physicians). The licensee receives unit doses of Tc99m/daily from a local nuclear pharmacy. The workload consists of the following: 30 diagnostic scans per month, 75% cardiac scans, 5% bone scans, 15% gall bladder/liver scans. The licensee does not use P-32, I-131 or Au-198 for cancer therapy. The licensee is authorized for iodine-131 for therapy, however, none have been administered since the date of the last inspection.

This inspection consisted of an in-depth review of the licensee's medical program. According to the licensee staff that were interviewed, there have been no fires, explosions, fatalities (involving radioactive material) , medical events, recordable events or over exposures to radiation since the last NRC inspection. The inspectors did not identify anything contrary to the above statements made by licensee staff. The highest whole body exposure for CY 2008 was 25 mrem/year to date and the highest extremity exposure was 10 mrem/year to date. The inspectors concluded that no worker or member of the public received a dose of radiation in excess of the limits specified in 10 CFR 20.1201 or 20.1301. The inspectors observed the licensee conduct a physical inventory of their calibration sources. All sources were accounted for. This program is audited by an outside consultant every three months. The inspectors reviewed the most recent audit report and no major deficiencies were identified.

During the inspection the inspectors asked the technologist to perform a constancy test on the dose calibrator with the same sealed source (Cs-137) and in the same manner in which it was performed earlier that morning. The constancy test results matched the licensee's records for the test performed earlier that same morning.

No violations of NRC requirements were identified within the scope of this inspection.