

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:

St. John Mercy Medical Center  
615 S. New Ballas Rd.  
St. Louis, MO 63141

2. NRC/REGIONAL OFFICE

U.S. Nuclear Regulatory Commission  
Region III  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4351

REPORT 2005/002

3. DOCKET NUMBER(S)

030-02283

4. LICENSEE NUMBER(S)

24-00794-03

5. DATE(S) OF INSPECTION

10/7/2005

**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             | Tony S. Go   |  | 10/7/05 |

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|--|---|--|--|
| NRC FORM 591M PART 3<br>(10-2003)<br>10 CFR 2.201  |   | U.S. NUCLEAR REGULATORY COMMISSION   |  |
| <b>Docket File Information</b><br><b>SAFETY INSPECTION REPORT</b><br><b>AND COMPLIANCE INSPECTION</b>  |   |  |  |
| 1. LICENSEE<br><b>St. John's Mercy Medical Center</b><br>REPORT NUMBER(S) <u>2005/002</u>  |   | 2. NRC/REGIONAL OFFICE<br>U.S. Nuclear Regulatory Commission<br>Region III |  |
| 3. DOCKET NUMBER(S)<br><b>030-02283</b>  | 4. LICENSE NUMBER(S)<br><b>24-00794-03</b>        | 5. DATE(S) OF INSPECTION<br><b>10/ 17 /2005</b>                            |  |
| 6. INSPECTION PROCEDURES<br><b>87134</b>   | 7. INSPECTION FOCUS AREAS<br><b>03.01 - 03.07</b> |  |  |
| <b>SUPPLEMENTAL INSPECTION INFORMATION</b>   |   |  |  |
| 1. PROGRAM<br><b>2240</b>  | 2. PRIORITY<br><b>2</b>                           | 3. LICENSEE CONTACT<br><b>Robert Turco, Ph.D</b>                           | 4. TELEPHONE NUMBER<br><b>(574)-284-7589</b> |
| <input checked="" type="checkbox"/> Main Office Inspection<br><input type="checkbox"/> Field Office<br><input type="checkbox"/> Temporary Job Site |   | Next Inspection Date: <u><b>09/06, no change</b></u>                       |  |
| <b>PROGRAM SCOPE</b>   |   |  |  |

NRC FORM 591M PART 3 (10-2003)

**Program Scope**

The licensee operates a 900-bed hospital that performed approximately 400 diagnostic and therapeutic nuclear medicine procedures per month. The licensee also performed approximately 10 to 15 hyperthyroid and outpatient thyroid ablation treatments with I-131 liquid doses. Since the last reactive inspection conducted on March 15 and 16, 2005, NRC identified two violations (EA-05-107) that were considered as a Severity Level III problem.

**Performance Observations**

During this inspection, the inspector verified that the licensee corrected these violations. The licensee conducted in-service training to all technologists on May 20, 2005, about the medical event and the associated violation. This training will be repeated during the licensee annual in-service training in November 2005. In addition, the licensee revised the written procedure to include the double verification process for pediatric weight calculation, this procedure was in effect since April 2005. The licensee's management also trained all nuclear medicine technologists on the new procedures. During the inspection, and the licensee's technologists demonstrated the knowledge associated with the preparation and injection of radiopharmaceutical doses for pediatric patients. In addition, the inspector also observed the licensee's technologists use both whole body and extremity dosimeters during administration and during handling of the licensed materials. No repeat violations of NRC requirements were identified during the inspection of the nuclear medicine department.