

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

St. Joseph Mercy - Oakland
Pontiac, MI
REPORT NUMBER(S) 2011-001

2. NRC/REGIONAL OFFICE

U.S. Nuclear Regulatory Commission
Region III
2443 Warrenville Road
Lisle, IL 60532

3. DOCKET NUMBER(S)

080-02104

4. LICENSEE NUMBER(S)

21-11651-01

5. DATE(S) OF INSPECTION

August 10, 2011

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) 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. 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 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	<i>Deborah A. Piskura</i>	8/10/2011
Branch Chief	Tamara E. Bloomer	<i>Tamara E. Bloomer</i>	8/22/11

Docket File Information
SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE St. Joseph Mercy - Oakland 44405 Woodward Avenue Pontiac, MI 48341-5023 REPORT NUMBER(S) 2011-001		2. NRC/REGIONAL OFFICE U.S. Nuclear Regulatory Commission Region III 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4351	
3. DOCKET NUMBER(S) 030-02104	4. LICENSE NUMBER(S) 21-11651-01	5. DATE(S) OF INSPECTION Aug. 10, 2011	
6. INSPECTION PROCEDURES 87130, 87131 & 87132		7. INSPECTION FOCUS AREAS 03.01-03.08	

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM 02120	2. PRIORITY 3	3. LICENSEE CONTACT Khuraam Rashid, M.D. RSO	4. TELEPHONE NUMBER 248-858-3040
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☒ Main Office Inspection Next Inspection Date: Aug. 2014
☐ Field Office Inspection
☐ Temporary Job Site Inspection _____

PROGRAM SCOPE

This licensee was a large community hospital authorized to use licensed materials in Sections 35.100, 35.200, 35.300, and 35.400 (I-125 and Pd-103 prostate seed implants). The licensee retained a consulting physicist who audited the nuclear medicine radiation safety program on a quarterly basis (last 6/02/2011).

The nuclear medicine department was staffed with 6 technologists who performed approximately 275-300+ diagnostic nuclear medicine procedures monthly. The department performed a full spectrum of diagnostic imaging studies. The licensee received unit doses and bulk Tc-99m from a licensed radiopharmacy. The licensee maintained an active radiopharmaceutical therapy program. Typically in a year, the licensee administered 10-15 I-131 treatments for hyperthyroidism; 3-5 treatments for thyroid carcinoma; and 5-10 whole body CA follow up studies (capsule form only). The licensee released these patients in accordance with Section 35.75.

The radiation therapy activities were limited to permanent prostate implants. Staff from the radiation oncology program at American Oncologic Associates (NRC License No. 21-26488-01) performed the implants at the licensee's hospital. The licensee administered 8-10 I-125/Pd-103 permanent prostate implants annually. However only 1 patient had been implanted for the YTD 2011.

This inspection consisted of interviews with select licensee personnel; a review of select records; a tour of the nuclear medicine department; and independent measurements. The inspector observed the administration of several diagnostic nuclear medicine procedures. The inspector reviewed the post-treatment plans for numerous prostate implants with physics personnel from American Oncologic Associates. The inspection included observations of dose calibrator and QA checks, security of byproduct material, and use of personnel monitoring.