

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

*St. John Macomber Oakland Hospital
Warren, MI*

REPORT NUMBER(S) *2010-001*

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

030-02005

4. LICENSEE NUMBER(S)

21-01190-05

5. DATE(S) OF INSPECTION

Dec. 15, 2010

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>D. Piskura</i>	<i>12/15/2010</i>
Branch Chief	Tamara E. Bloomer	<i>Tamara E. Bloomer</i>	<i>12/21/10</i>

Docket File Information
SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE St. John Macomb - Oakland Hospital Macomb Center 11800 East 12 Mile Road Warren, MI 48093 REPORT NUMBER(S) 2010-001		2. NRC/REGIONAL OFFICE U.S. Nuclear Regulatory Commission Region III 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4351	
3. DOCKET NUMBER(S) 030-02005	4. LICENSE NUMBER(S) 21-01190-05	5. DATE(S) OF INSPECTION Dec. 15, 2010	
6. INSPECTION PROCEDURES 87130, 87131, & 87132	7. INSPECTION FOCUS AREAS 03.01-03.08		

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM 02230	2. PRIORITY 2	3. LICENSEE CONTACT Laura Smith, M.S., RSO	4. TELEPHONE NUMBER 586-215-5947
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Main Office Inspection Next Inspection Date: Dec. 2012
 Field Office Inspection
 Temporary Job Site Inspection _____

PROGRAM SCOPE

This licensee was a large medical institution (350+ bed hospital) and conducted licensed activities at two locations in the suburban Detroit area. This licensee's authorization included materials in Sections 35.100, 35.200, 35.300, 35.400, 35.500, and Ir-192 in an HDR unit. The daily radiation safety activities were managed by a dedicated half-time RSO. The licensee's retaining a consulting physicist who audited the radiation safety program on a quarterly basis.

The nuclear medicine department performed approximately 500-600 diagnostic nuclear medicine procedures monthly which included a full spectrum of diagnostic imaging studies. The majority of licensed activities were performed by the main hospital in Warren. The licensee received unit doses and bulkTc-99m for kit preparation. The department maintained an active therapy program and administered several I-131 dosages for CA, whole body follow up studies, and hyperthyroidism (capsules only). No beta-emitting radiopharmaceuticals were administered since the previous inspection.

The radiation oncology department was staffed with 2 contract MPs, 2 dosimetrists, and 2 authorized users. The licensee administered 30-40 I-125 permanent prostate implants each year.

The licensee possessed an HDR unit and administered approximately 25-30 patient treatments per year; the majority of these treatments were for breast, bronchial/lung, and gynecological cancers; occasionally the licensee administered a prostate treatment using its HDR unit. All HDR patient treatments were administered by the attending radiation oncologist, the authorized medical physicist, and a therapy technologist. This inspection consisted of interviews with selected licensee personnel; a review of selected records; tours of the nuclear medicine and radiation oncology departments; and independent measurements. The inspector observed the administration of several diagnostic nuclear medicine procedures. The inspection included observations of dose calibrator QA checks, HDR QA and safety checks security of byproduct material, use of personnel monitoring, package receipts, and patient surveys.

