

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:
Bay Regional Medical Center
315 E. Warwick Drive
Alma, Michigan

REPORT NUMBER(S): 11-02

2. NRC/REGIONAL OFFICE
U.S. Nuclear Regulatory Commission, Region III
2443 Warrenville Road, Suite 210
Lisle, Illinois 60532

3. DOCKET NUMBER(S)
030-13900

4. LICENSEE NUMBER(S)
21-18585-01

5. DATE(S) OF INSPECTION
November 15, 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	Andrew M. Bramnik		11/15/2011
Branch Chief	Tamara E. Bloomer	 T63	11/25/11

Docket File Information
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REPORT NUMBER(S) 11-02			
3. DOCKET NUMBER(S) 030-13900	4. LICENSEE NUMBER(S) 21-18585-01	5. DATE(S) OF INSPECTION November 15, 2011	
6. INSPECTION PROCEDURES 87131	7. INSPECTION FOCUS AREAS 03.01 – 03.07		
SUPPLEMENTAL INSPECTION INFORMATION			
1. PROGRAM 2120	2. PRIORITY 3	3. LICENSEE CONTACT Tyre K. Jones, M.D. – RSO	4. TELEPHONE NUMBER 989-894-3000
<input type="checkbox"/> Main Office Inspection		Next Inspection Date: <u>October 2014 (unchanged)</u>	
<input checked="" type="checkbox"/> Field Office Inspection		<u>315 E. Warwick Drive, Alma, MI</u>	
<input type="checkbox"/> Temporary Job Site Inspection			

PROGRAM SCOPE

This was a routine inspection at a second authorized location for Bay Regional Medical Center. An NRC inspector had originally intended to inspect this location during a routine inspection of the licensee in October 2011, but was unable to visit the site. The facility was added to Bay Regional Medical Center's NRC license in May 2011, concurrent with the removal of the facility as a location of use for another NRC licensee (Michigan CardioVascular Institute, NRC license no. 21-26447-01).

This facility was a standalone clinic located in Alma, Michigan, and was authorized only for activities under Title 10 of the Code of Federal Regulations (10 CFR) Section 35.200. One full time nuclear medicine technologist performed five cardiac procedures per day between Monday and Thursday. The licensee obtained licensed material as unit doses from an area nuclear pharmacy, and did not use xenon-133, bulk doses, or molybdenum/technetium generators.

PERFORMANCE OBSERVATIONS

No administrations of byproduct materials were available for observation during the inspection. Interviews of available staff revealed an adequate level of understanding of emergency and material handling procedures and techniques. Dose calibrator constancy checks, package receipt, daily surveys, and waste handling and disposal procedures were successfully demonstrated. An outside consultant performed quarterly program audits that were adequate to oversee the program.

Licensed material was adequately secured and not readily accessible to members of the general public. The licensee possessed a radiation survey meter that was calibrated, operational, and performed well in side-by-side comparison with an NRC instrument. Independent measurements did not indicate readings in excess of 10 CFR Part 20 limits in restricted or unrestricted areas. Personal whole body and extremity dosimetry were observed being worn by the staff during the inspection, and records did not indicate doses in excess of 10 CFR Part 20 limits. Dosimetry records indicated that the highest annual whole body and extremity readings for the year to date were 70 millirem (mrem) and 320 mrem, respectively.

No violations were identified during this inspection.

ATM