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SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: West Shore Medical Center 1465 East Parkdale Ave. Manistee, MI 49660 REPORT NUMBER(S) 2009-01		2. NRC/REGIONAL OFFICE U.S. Nuclear Regulatory Commission Region III 2443 Warrenville Road Suite 210 Lisle, Illinois 60532-4351	
3. DOCKET NUMBER(S) 030-10713	4. LICENSEE NUMBER(S) 21-16277-01	5. DATE(S) OF INSPECTION 8/11/2009	

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:

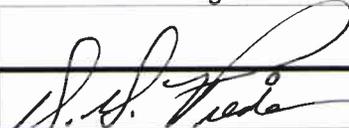
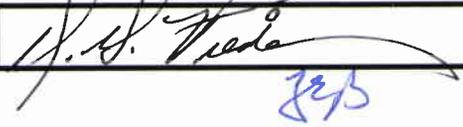
- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is 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	John Raymond, M.D.		8/ /2009
NRC INSPECTOR	Darrel G. Wiedeman		8/11/2009

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6. INSPECTION PROCEDURES USED 87130	7. INSPECTION FOCUS AREAS 1 through 7		

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02121	2. PRIORITY 5	3. LICENSEE CONTACT John Raymond, M.D., RSO	4. TELEPHONE NUMBER (231) 398-6000
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Main Office Inspection Next Inspection Date: 8/2014

Field Office

Temporary Job Site Inspection

PROGRAM SCOPE

This licensee is a 50-bed private hospital and medical clinic. Under this license the licensee oversees a small diagnostic nuclear medicine program. The license authorizes materials in 10 CFR 35. 100 and 35.200.

Nuclear Medicine Program

The licensee employs one full time and 2 part-time nuclear medicine technologists and the department is staffed with one nuclear medicine physician (authorized user). The licensee receives unit doses supplied by a local nuclear pharmacy. The workload consisted of 7-10 diagnostic scans per day. The license does not authorize use of P-32, Au-198, Sr-89 or I-131 for therapy.

This inspection consisted of an in-depth review of the licensee's diagnostic nuclear medical program. The licensee has an outside consultant conduct quarterly audits of it's program. The inspector reviewed a random sample of recent audit reports and did not identify any major deficiencies. 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 inspection. The inspector did not identify anything contrary to the above statements made by licensee staff. The highest whole body exposure for CY 2008-2009 was 15-20 mrem/month and the highest extremity exposure was 70 mrem/month. The inspector 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 inspector interviewed the nuclear medicine technologist and discussed the licensee's procedures for determining doses for patients undergoing routine diagnostic scans. No deficiencies were identified. The inspector observed the licensee conduct a physical inventory of their calibration sources. All sources were accounted for.

During the inspection the inspector 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. During the inspection, the licensee's staff demonstrated: (1) a daily radiation survey; (2) a weekly removable contamination survey; (3) a package receipt and return survey. The inspector performed independent and confirmatory radiation measurements which indicated similar results as noted in the licensee's survey records, < 2 mR/hour in the unrestricted areas around the nuclear medicine facility. All sealed sources are leak tested every 6-months by the licensee's consultant, all leak test records results indicated that leakage was <.005 microcuries of removable contamination.

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