

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Chippewa County War
Memorial Hospital
500 Osborne
Sault Ste. Marie, MI 49783

REPORT NUMBER(S) 2015-001

2. NRC/REGIONAL OFFICE

Region III
U. S. Nuclear Regulatory Commission
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

3. DOCKET NUMBER(S)

030-18244

4. LICENSE NUMBER(S)

21-20318-01

5. DATE(S) OF INSPECTION

October 7, 2015

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:

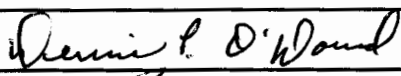
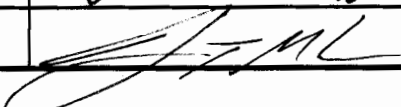
- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, 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 in accordance with NRC Enforcement Policy. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.
(Violations and Corrective Actions)

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	Dennis P. O'Dowd		10/07/15
BRANCH CHIEF	Aaron T. McCraw		11/6/15

Docket File Information

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

<p>1. LICENSEE/LOCATION INSPECTED:</p> <p>Chippewa County War Memorial Hospital 500 Osborne Sault Ste. Marie, MI 49783</p> <p>REPORT NUMBER(S) 2015-001</p>	<p>2. NRC/REGIONAL OFFICE</p> <p>Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352</p>
---	---

<p>3. DOCKET NUMBER(S)</p> <p>030-18244</p>	<p>4. LICENSE NUMBER(S)</p> <p>21-20318-01</p>	<p>5. DATE(S) OF INSPECTION</p> <p>October 7, 2015</p>
---	--	--

<p>6. INSPECTION PROCEDURES USED</p> <p>87130</p>	<p>7. INSPECTION FOCUS AREAS</p> <p>03.01-03.07</p>
---	---

SUPPLEMENTAL INSPECTION INFORMATION

<p>1. PROGRAM CODE(S)</p> <p>02121</p>	<p>2. PRIORITY</p> <p>5</p>	<p>3. LICENSEE CONTACT</p> <p>Dave McDonough, CNMT, RSO</p>	<p>4. TELEPHONE NUMBER</p> <p>(906) 635-4460</p>
--	-----------------------------	---	--

Main Office Inspection Next Inspection Date: 10/07/2020

Field Office Inspection _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

This was a routine inspection of a medical institution authorized by the license to use byproduct material permitted by 10 CFR 35.100 and 35.200, along with DU as shielding at the location specified on the license. The nuclear medicine department was staffed with two FT nuclear medicine technologists (NMTs) who routinely conducted an average of 6 patient procedures per day, Monday through Friday, and on call on weekends. The licensee received a Mallinkrodt Mo/Tc-99 generator each week with varying activities. The licensee primarily performed cardiac, as well as bone, renal, and lung studies. No Xe-133 studies were conducted. PET studies were provided by a mobile PET service with no involvement by the NMT staff. Generators were returned weekly and all other waste was held for decay-in-storage (DIS). There was no change in RSO since the previous inspection.

PERFORMANCE OBSERVATIONS

This inspection consisted of interviews with select licensee personnel; tour of the nuclear medicine department; independent measurements; and a review of select records. Interviews with licensee personnel indicated an adequate level of understanding of emergency and material handling procedures and techniques, and knowledge of radiation safety concepts. The licensee's NMTs discussed and/or successfully demonstrated (with no issues identified) the following: (1) kit prep dosage and safe use; (2) package receipt and return procedures; (3) wipe test counting; (4) dose calibrator tests; (5) generator elutions and moly tests; (6) security of license materials; (7) quarterly radiation safety program reviews and periodic training; (8) surveys (i.e., daily, weekly); (9) syringe labels (10) sealed source inventory; (11) waste handling and disposal procedures; (12) contamination events/other incidents (none); (13) dosimetry (< 10% of annual regulatory limits). An outside consultant performed quarterly program audits that appear to be adequate to maintain program compliance. Licensed material was observed as adequately secured during the review and was not readily accessible to members of the general public. Survey meters were found to be calibrated and operational, and performed well (within 10%) in side-by-side comparison with an NRC instrument. Independent measurements taken did not indicate readings in excess of 10 CFR Part 20 limits in restricted or unrestricted areas. Personal dosimetry was observed being worn by the staff during the inspection. Dosimetry records indicated maximum whole body and extremity doses, respectively, for 2012: 249 millirem (mrem) and 260 mrem; 2013: 258 mrem and 170 mrem; 2014: 73 mrem and 60 mrem. Personal dosimetry records reviewed for YTD 2015 did not indicate whole body and extremity exposures approaching 10 CFR Part 20 limits.

No violations were identified during this inspection.