

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: <i>Northern Michigan Hospital Petoskey, MI</i>		2. NRC/REGIONAL OFFICE U.S. Nuclear Regulatory Commission Region III 2443 Warrenville Road, Suite 210 Lisle, Illinois 60532-4351	
REPORT NUMBER(S) <i>2006-001</i>			
3. DOCKET NUMBER(S) <i>030-11715</i>	4. LICENSEE NUMBER(S) <i>21-16732-01</i>	5. DATE(S) OF INSPECTION <i>Jan. 19, 2006</i>	

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

- 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			
NRC INSPECTOR	Deborah A. Piskura	<i>Deborah A. Piskura</i>	<i>1/19/06</i>

Docket File Information
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1. LICENSEE Northern Michigan Hospital REPORT NUMBER(S) 2006-001	2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road, Suite 210 Lisle, IL 60532
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6. INSPECTION PROCEDURES USED 87130, 87131 and 87132	7. INSPECTION FOCUS AREAS 03.01, 03.02, 03.03, 03.04, 03.05, 03.06, 03.07, and 03.08
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02120	2. PRIORITY G 3	3. LICENSEE CONTACT Dan Dryden, M.S., RSO	4. TELEPHONE NUMBER 231.487.4264
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<input checked="" type="checkbox"/>	Main Office Inspection	Next Inspection Date: <u>Jan. 2009</u>
<input type="checkbox"/>	Field	
<input type="checkbox"/>	Temporary Job Site	

PROGRAM SCOPE

This licensee was a 300-bed hospital, authorized to use licensed material permitted by Sections 35.100, 35.200, 35.300, and 35.400. The nuclear medicine department was staffed with five technologists who performed approximately 350 diagnostic nuclear medicine procedures per month. The licensee received a generator from a licensed manufacturer and performed a full spectrum of nuclear diagnostic imaging studies. The licensee retained the services of a consulting physicist to audit the radiation safety program on a quarterly basis.

The radiation therapy activities were performed by an in-house medical physicist and two dosimetrists. Brachytherapy activities were limited to I-125 or Pd-103 permanent implants. The licensee performed 100+ I-125 or Pd-103 permanent prostate implants (ultrasound guided) per year. Until 2003, the licensee administered 1-2 cesium-137 temporary gynecological implants. Currently, the licensee secured the cesium sources in storage. The licensee was uncertain if it would resume use of these sources. The department also possessed a cesium-137 calibrator unit which it maintained in secured storage. The licensee planned to transfer this unit for disposal in the near future.

This inspection consisted of interviews with licensee personnel, a review of select records, tour of the nuclear medicine and radiation oncology departments, and independent measurements. The inspector observed the administration of an I-131 thyroid cancer treatment. The inspection included observations of dose calibrator QA checks, security of byproduct material, use of personnel monitoring, and package receipts and surveys. The inspector also verified the licensee's inventory of brachytherapy sources.