

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

<p>1. LICENSEE/LOCATION INSPECTED:</p> <p>Northern Shared Medical Services 209 Limestone Pass Cottage Grove, Wisconsin 53527</p> <p>REPORT NUMBER(S) 2012-001</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>030-37826</p>	<p>4. LICENSE NUMBER(S)</p> <p>48-32697-01</p>	<p>5. DATE(S) OF INSPECTION</p> <p>August 16, 2012</p>

**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:

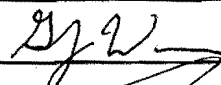

- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is 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	Geoffrey M. Warren		8/16/12
BRANCH CHIEF	Tamara E. Bloomer		8/29/12

**Docket File Information**

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6. INSPECTION PROCEDURES USED  87130	7. INSPECTION FOCUS AREAS  03.01 - 03.08
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  02220	2. PRIORITY  3	3. LICENSEE CONTACT  Mike Zimmer, Ph.D., RSO	4. TELEPHONE NUMBER  (312) 926-0412
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Main Office Inspection                      Next Inspection Date:                      August 2015

Field Office Inspection

Temporary Job Site Inspection

**PROGRAM SCOPE**

This was a corporate-level inspection of the licensee's activities. No field locations were reviewed as part of the inspection.

The licensee was a mobile nuclear medicine company that provided PET/CT services for hospitals in Midwestern states, including Missouri and Indiana. Licensed activities, limited to fluorine-18 FDG for cancer imaging and occasional sodium fluoride-18 for bone imaging under Section 35.200, were performed at client facilities as scheduled. The licensee operated 24 coaches throughout their system. Approximately seven of these coaches worked in Missouri or Indiana. Each coach was staffed with two drivers and two nuclear medicine technologists. One driver and one technologist were on staff at any one time. Licensed materials were delivered as unit doses directly to the coaches by licensed nuclear pharmacies. All waste was held for decay in storage.

**Performance Observations**

Licensee personnel described the training program, quarterly audits of each coach, annual program audits, administration and transportation of licensed materials, tracking of survey meter calibrations, security controls, and other practices. The inspector noted no concerns with these activities. Review of documentation of dose calibrator and survey meter calibrations and checks for coaches in NRC jurisdiction indicated no issues. Review of dosimetry and survey records indicated no exposures exceeding limits for members of the general public or for radiation workers. Interviews with licensee personnel indicated adequate knowledge of radiation safety concepts and procedures.