

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

<p>1. LICENSEE/LOCATION INSPECTED: The Regents of the University of Michigan, Rad. Safety Svc. Occupational Safety &amp; Environmental Health University of Michigan 1239 Kipke Drive, Ann Arbor, Michigan 48109-1010</p> <p>REPORT NUMBER(S) 2014-001</p>	<p>2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352</p>
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<p>3. DOCKET NUMBER(S) 030-01988</p>	<p>4. LICENSE NUMBER(S) 21-00215-04</p>	<p>5. DATE(S) OF INSPECTION February 11, 2014</p>
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**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. (From IR 03001988/2013001 (DNMS))

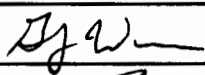
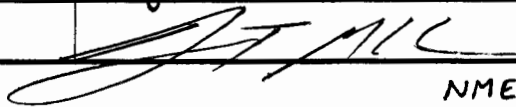
3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, to exercise discretion, were satisfied.

\_\_\_\_\_ 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		2/12/14
BRANCH CHIEF	Aaron T. McCraw		2/21/14

**Docket File Information**  
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6. INSPECTION PROCEDURES USED 87126, 87122	7. INSPECTION FOCUS AREAS 03.01 - 03.07, 03.01 - 03.07
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S) 02110	2. PRIORITY 2	3. LICENSEE CONTACT Mark Driscoll, RSO	4. TELEPHONE NUMBER (734) 647-2251
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Main Office Inspection      Next Inspection Date:           No change          

Field Office Inspection \_\_\_\_\_

Temporary Job Site Inspection \_\_\_\_\_

**PROGRAM SCOPE**

The purpose of this inspection was to follow up on escalated enforcement action and a reported event concerning a leaking source. In addition to security violations, the inspector reviewed corrective actions for two safety-related violations.

1) The licensee was cited (SL IV) for the failure to have a human-use protocol in which a sealed source was used to provide external radiation for medical purposes reviewed by the SHUR prior to approval, as required by the licensee's procedures. The root cause was that external radiation was assumed to mean x-ray by the application system. As corrective action, the application system was revised to ask whether external radiation was from x-ray or radioactive material (RAM) and require SHUR approval for those involving RAM. In addition, the RSO verified that no further such protocols had been approved without SHUR approval. Based on this information, the violation is closed.

2) The licensee was cited (SL IV) for the failure to report that no material had been used at a building at the Flint campus for a period exceeding two years, as required by 10 CFR 30.36. As corrective action, the licensee has removed all material from the site and performed surveys to verify that there remains no residual material in the building, and has reviewed all buildings where RAM is used to identify any buildings where no material has been used during the previous two years. The licensee is working on a system to monitor for any buildings where material use has ceased. Based on this information, the violation is closed.

On December 24, 2013, the licensee reported to the NRC that they had identified a leaking gas chromatograph source at the Flint campus. Licensee personnel cleaned up contamination from the leaking source and verified that no contamination remained. The licensee reported the leaking source as required. The licensee plans to dispose of the source and the gas chromatograph. No violation was identified concerning the reported event.