

## SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

## 1. LICENSEE/LOCATION INSPECTED:

Northern Michigan University  
Department of Biology  
1401 Presque Isle Avenue  
Marquette, MI 49855

REPORT NUMBER(S) 2014001

## 2. NRC/REGIONAL OFFICE

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

## 3. DOCKET NUMBER(S)

030-08204

## 4. LICENSE NUMBER(S)

21-09119-02

## 5. DATE(S) OF INSPECTION

April 23, 2014

## 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.

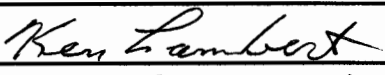
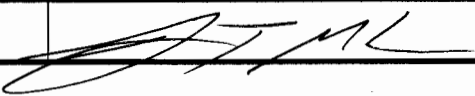
Non-cited violation(s) were discussed involving the following requirement(s):

- ☐ 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	Ken Lambert		4/28/14
BRANCH CHIEF	Aaron T. McCraw		5/2/14

## Docket File Information

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## 6. INSPECTION PROCEDURES USED

87126

## 7. INSPECTION FOCUS AREAS

03.01 - .03.07

## SUPPLEMENTAL INSPECTION INFORMATION

## 1. PROGRAM CODE(S)

3620

## 2. PRIORITY

5

## 3. LICENSEE CONTACT

John Rebers, Ph.D, RSO

## 4. TELEPHONE NUMBER

(906) 227-1585

☒ Main Office Inspection

Next Inspection Date: April 23, 2019

☐ Field Office Inspection☐ Temporary Job Site Inspection

## PROGRAM SCOPE

This was a routine inspection of an academic licensee authorized for millicuries quantities of C-14, H-3, P-32, P-33, and S-35. The licensee also possessed generally licensed material (thorium and uranium) under 10 CFR 40.22 and exempt quantity sources under 10 CFR 30.18. The licensee's radiation safety officer sent an e-mail to the Region III licensing Branch Chief on July 12, 2013, indicating the licensee's intent to terminate its license. The licensee had originally disposed of licensed material in 2007. During the course of radiological surveys between July and September 2013, the licensee found scintillation vials containing H-3 and C-14, and small quantities of radioactive materials that were generally licensed under 10 CFR 40.22 and exempt quantity sources under 10 CFR 30.18. The licensee has contacted a waste broker to dispose of the additional radioactive materials. The waste broker requested additional information regarding the materials to be disposed. The licensee's RSO indicated that he is working to provide the requested information, but due to class schedules, he will not be able to provide this information until after college is out for the summer. The RSO indicated that he intends on completing waste disposal and surveys over the summer and submitting the information to the NRC for license termination in the fall of 2014.

## PERFORMANCE OBSERVATIONS

The inspector verified that the generally licensed and exempt quantity materials mentioned above were properly secured from unauthorized access. The inspector also verified that the scintillation vials were stored in a locked refrigerator. The inspector discussed the license termination process with the RSO and provided the RSO with a copy of 10 CFR 30.26. The inspector also discussed that the licensee had 24 months to complete decommissioning activities and request termination of its license. The inspector also informed the RSO that if termination of its license could not be completed in 24 months, the license was required to notify the NRC and request an alternate schedule for completion of decommissioning and license termination.