

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Michigan Technological University 1400 Townsend Drive Houghton, MI 49931-195		2. NRC/REGIONAL OFFICE U.S. Nuclear Regulatory Commission Region III 2443 Warrenville Road Suite 210 Lisle, Illinois 60532-4351	
REPORT NUMBER(S) 2008-001			
3. DOCKET NUMBER(S) 030-00810	4. LICENSEE NUMBER(S) 21-00278-02	5. DATE(S) OF INSPECTION September 23, 2008	

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, 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)

Condition 21 of License Number 21-00278-02 states, in part, that the licensee shall conduct its program in accordance with statements, representations, and procedures in application dated January 28, 2002.


Section 10, Item 7, entitled "Radiation Safety Program", of the application dated January 28, 2002, states, in part, that the procedure for having and using film badges for all involved is followed.

Contrary to the above, in May 2007, an authorized user and a laboratory user performed procedures involving carbon-14 and tritium, and the individuals involved did not have or use film badges.

The licensee indicated that the dosimetry program will be reviewed to either reinforce the usage of dosimetry by authorized individuals or evaluate the need for dosimetry based on program activity and previous exposure reports which has not approached 10 percent of 10 CFR Pt. 20 limits.

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	Sam Mulay		10/06/08

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1. LICENSEE Michigan Technological University REPORT NUMBER(S) 2008-01		2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road, Suite 210 Lisle, IL 60532	
3. DOCKET NUMBER(S) 030-00810		4. LICENSE NUMBER(S) 21-00278-02	5. DATE(S) OF INSPECTION September 23, 2008
6. INSPECTION PROCEDURES USED 87126		7. INSPECTION FOCUS AREAS 03.01-03.07	

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 3620	2. PRIORITY E5	3. LICENSEE CONTACT Allen Niemi, Ph.D., Director	4. TELEPHONE NUMBER 906-487-2118
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<input checked="" type="checkbox"/>	Main Office Inspection	Next Inspection Date: 09/2013
<input type="checkbox"/>	Field Office	
<input type="checkbox"/>	Temporary Job Site Inspection	

PROGRAM SCOPE

This limited scope academic program maintains about eight approved laboratories in four campus buildings that possessing licensed material as authorized for laboratory research procedures. Currently, the licensee has eight approved users, however, only two are considered active. In addition, the licensee possesses four gas chromatograph (GC) sources under a general license and two GC's specifically licensed either in use or in storage.

Performance Observations

The Radiation Safety Officer (RSO) performs quarterly and annual program audits which appear to adequately maintain program oversight. The licensee conducts quarterly Radiation Safety Committee meetings and include the RSO's audit results. Three authorized laboratories were toured as well as the waste storage area. A random review of laboratory use logs revealed incoming package surveys and wipes, package condition on arrival, and area surveys are performed and documented.

Licensed material was observed well secured and/or under surveillance in use and storage areas and was not readily accessible to members of the general public. Independent measurements taken in restricted and unrestricted areas did not indicate readings above background (0.02 mr/hr).

Personal dosimetry is exchanged quarterly with authorized users. Records reviewed from 2007 and YTD 2008, revealed exposures that did not approach 10 CFR Pt. 20 limits.