

ENCLOSURE 6 - INSPECTION RECORD

Region: III      Inspection Report No. 2013001

License No. 21-32574-01  
Docket No. 030-36995

Licensee: Michigan Technical Education Center  
7107 Elm Valley Drive  
Kalamazoo, MI 49009

Locations Inspected: 7107 Elm Valley Drive  
Kalamazoo, MI

Licensee Contact: Thomas Kilkuskie, Executive Director

Telephone No. 269-353-1582

Program Code: 03620      Priority: 5

Type of Inspection:      ( ) Initial      (X) Routine      ( ) Announced  
   ( ) Special      (X) Unannounced

Last Inspection Date: 06/08/2009

Date of This Inspection: 10/31/2013

Next Inspection Date: 10/31/2018

( ) Normal

( ) Reduced

Justification for reducing the routine inspection interval:

N/A

**Summary of Findings and Actions:**

- ( ) No violations cited, clear U.S. Nuclear Regulatory Commission (NRC) Form 591 or regional letter issued
- ( ) Non-cited violations (NCVs)
- ( ) Violation(s), Form 591 issued
- (X) Violation(s), regional letter issued
- ( ) Follow-up on previous violations

Inspector(s) Ryan J. Craffey, Health Physicist

/RA/

Signature

Date 11/22/2013

Approved Aaron T. McCraw, Chief, MIB

/RA/

Signature

Date: 11/22/2013

## **PART I - LICENSE, INSPECTION, INCIDENT/EVENT AND ENFORCEMENT HISTORY**

### 1. AMENDMENTS AND PROGRAM CHANGES SINCE LAST INSPECTION:

<u>AMENDMENT #</u>	<u>DATE</u>	<u>SUBJECT</u>
01	10/25/2013	New RSO

### 2. INSPECTION AND ENFORCEMENT HISTORY:

The last inspection of this licensee was on June 8, 2009. The licensee was cited for failure to mark outgoing packages as limited quantity shipments in accordance with 49 CFR 173.421 and 173.422; and for failure to make surveys required by 10 CFR 20.1501 and 20.1502 to determine whether extremity dosimetry would be required for certain licensed activities.

The licensee completed corrective actions as stated in IR 03036995/2009001(DNMS), and the inspector found the violation to be non-recurring. Therefore, the NRC now considers the violation to be closed.

### 3. INCIDENT/EVENT HISTORY:

No open items or events since the last routine inspection.

## **PART II - INSPECTION DOCUMENTATION**

### 1. ORGANIZATION AND SCOPE OF PROGRAM:

Michigan Technical Education Center (MTEC), owned and operated by Kalamazoo Valley Community College, maintains a limited scope commercial research program at The Groves Campus in Kalamazoo, Michigan. At the time of the inspection, one authorized user (the RSO) supervised a contract laboratory which performed a variety of screening services for pharmaceutical companies. The lab currently uses unsealed microcurie quantities of H-3 and I-125 in radiolabeled compounds. The licensee provides RSO training to radiation workers through a consultant when necessary and provides whole-body and extremity dosimetry at quarterly intervals. The RSO inventories semiannually all radioactive material possessed under the license, and audits the radiation safety program every winter.

### 2. SCOPE OF INSPECTION:

Inspection Procedure(s) Used: 87126

Focus Areas Evaluated: All

The inspector toured the facility to evaluate the licensee's measures for material security, radiation shielding and hazard communication. The inspector interviewed the RSO and the licensee's sole radiation worker, both of whom were knowledgeable of

radiation protection principles. The staff demonstrated procedures for physical inventories, area surveys, spill response and waste handling.

The inspector also reviewed a selection of licensee records, including use logs, area surveys, dosimetry reports and annual audits.

3. INDEPENDENT AND CONFIRMATORY MEASUREMENTS:

Using a Ludlum 2403 survey meter with a model 44-9 pancake style GM detector calibrated on January 16, 2013, the inspector conducted independent surveys of the facility. The inspector found no readings which would indicate residual contamination or exposures to members of the public in excess of regulatory limits.

4. VIOLATIONS, NCVs, AND OTHER SAFETY ISSUES:

On October 31, 2013, the inspector identified a minor violation of 10 CFR 30.36(d)(3) for failure, within 60 days of occurrence, to notify the NRC in writing that no principal activities under the license had been conducted for a period of 24 months.

Specifically, during a review of the licensee's audit records, the inspector found that the licensee did not possess or use any unsealed quantities of radioactive material between December 15, 2009, and September 10, 2012, and did not notify the NRC within 60 days of December 15, 2011.

The RSO indicated that radioactive material was not necessary for the contract work conducted during that period of time, but that MTEC wished to maintain the license should the work require the use of radiolabeled compounds again.

The inspector determined that the root cause of the violation was a misunderstanding of NRC requirements. The licensee believed that notification was only required if licensed activities had permanently, rather than temporarily ceased.

As corrective action for the violation, the RSO committed to notifying the NRC should another 24 months elapse in which no principal activities are conducted under the MTEC license.

5. PERSONNEL CONTACTED:

# Robert Kilkuskie – Executive Director, RSO  
Debra Bevis – Associate Director

# Attended exit meeting on November 12, 2013.

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