

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED

Michigan Technological University
1400 Townsend Drive
Houghton, MI 49931-1295

2. NRC/REGIONAL OFFICE

Region 1
475 Allendale Rd
Suite 102
King of Prussia, PA 19406

REPORT NUMBER(S) 2023001

3. DOCKET NUMBER(S)

030-00810

4. LICENSE NUMBER(S)

21-00278-02

5. DATE(S) OF INSPECTION

05/22/2023 - 05/24/2023

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 the 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)

A. 10 CFR 20.1101(c) requires each licensee to licensee shall periodically (at least annually) review the radiation protection program content and implementation.

Contrary to the regulation above, MTU did not perform an annual program audit. Implementation of a program audit was discussed at the time of inspection and MTU committed to resuming the annual audit.

This is a severity Level IV Violation (NRC Enforcement Policy Section 6.3).

B. 10 CFR 1501(c) requires each licensee to ensure that instruments and equipment used for quantitative radiation measurements be calibrated periodically for the radiation measured.

Contrary to the regulation above, MTU did not maintain a calibrated survey meter for use by authorized users of radioactive materials. It is noted that MTU committed to calibrating an existing survey meter and providing it to the staff of the active laboratory.

This is a severity Level IV Violation (NRC Enforcement Policy Section 6.3).

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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	David C. Dixon, Ph.D., Radiation Safety Officer		
NRC INSPECTOR	Lisa Forney		
BRANCH CHIEF	Chris Cahill		