

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  Michigan Technological University 1400 Townsend Drive Houghton, Michigan 49931  REPORT NUMBER(S) 2017001		2. NRC/REGIONAL OFFICE  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S) 030-00810	4. LICENSE NUMBER(S) 21-00278-02	5. DATE(S) OF INSPECTION July 20, 2017	

**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:


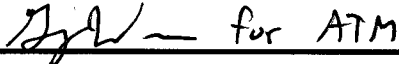
- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is 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	Luis Nieves Folch		7/12/2017
BRANCH CHIEF	Aaron T. McCraw	 for ATM	7/26/17

**Docket File Information**  
**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  Michigan Technological University 1400 Townsend Drive Houghton, Michigan 49931  REPORT NUMBER(S) 2017001	2. NRC/REGIONAL OFFICE  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352
---	---

3. DOCKET NUMBER(S) 030-00810	4. LICENSE NUMBER(S) 21-00278-02	5. DATE(S) OF INSPECTION July 20, 2017
----------------------------------	-------------------------------------	---

6. INSPECTION PROCEDURES USED 87126	7. INSPECTION FOCUS AREAS 03.01-03.08
--	--

**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S) 03620	2. PRIORITY 5	3. LICENSEE CONTACT David C. Dixon RSO	4. TELEPHONE NUMBER (906) 281-3767
-----------------------------	------------------	---	---------------------------------------

Main Office Inspection      Next Inspection Date: July 20, 2022

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

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

**PROGRAM SCOPE**

This was an unannounced, routine inspection of a licensee that maintains a limited scope academic research program at its campus in Houghton, MI. At the time of the inspection, one authorized user laboratory was considered active, one storage only, and one closed. The active lab used unsealed quantities of P-32 and P-33 for labeling in biological studies and it has been a year since they last used license material. Since the last inspection the licensee has discarded two scintillation counters by returning them to the manufacturer. All authorized users were provided with dosimetry and inventories were conducted. The university does not provide any training to authorized users or students. If someone wants to work with radioactive material they need to have previous training and experience from another institution working with radioactive material. The inspector made the RSO aware of the requirement in 10 CFR 30.36(d)(3) and suggested that he get in contact with the Region III Materials Licensing Branch to explore his options.

**PERFORMANCE OBSERVATIONS**

The inspector toured one active laboratory and one storage only laboratory. All locations were adequately secured, posted, and free of hazards to licensed material. Independent surveys of controlled and uncontrolled facilities found no readings above background. The inspector interviewed the RSO, one authorized user, and one students who worked with radioactive material. All were knowledgeable of radiation safety principles and procedures. The inspector also reviewed inventory records and dosimetry records.

No violations of NRC requirements were identified as a result of this inspection.

**Nieves Folch, Luis**

---

**From:** Nieves Folch, Luis  
**Sent:** Wednesday, July 26, 2017 3:00 PM  
**To:** 'dcdixon@mtu.edu'  
**Subject:** NRC 591M report  
**Attachments:** image2017-07-26-153240.pdf

Dear Mr. Dixon,

Attach is the clear 591 report for that inspection conducted on July 20, 2017, no further actions are required at this moment on your part.

In accordance with Title 10 of the Code of Federal Regulations 2.390 of the NRC's "Rules of Practice," a copy of this message will be available electronically for public inspection in the NRC's Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC's website at <http://www.nrc.gov/reading-rm/adams.html>.

Please feel free to contact me if you have any questions regarding this correspondence.

Thank you,

Luis Nieves  
Health Physicist  
U.S. Nuclear Regulatory Commission  
Division of Nuclear Materials Safety  
(630) 829-9571