

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

WMU Homer Stryker M.D. School of Medicine
~~1000 Oakland Drive~~ 300 Portage St.
Kalamazoo, Michigan ~~49008-8000~~ 49007

REPORT NUMBER(S) 2018001

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

030-39044

4. LICENSE NUMBER(S)

21-35421-01

5. DATE(S) OF INSPECTION

March 28, 2018

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:

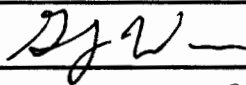
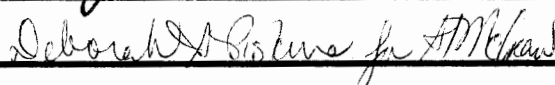
- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is 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	Geoffrey Warren, Sr. HP		3/28/18
BRANCH CHIEF	Aaron McCraw		4/26/2018

Docket File Information

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3. DOCKET NUMBER(S) 030-39044	4. LICENSE NUMBER(S) 21-35421-01	5. DATE(S) OF INSPECTION March 28, 2018
6. INSPECTION PROCEDURES USED 87126	7. INSPECTION FOCUS AREAS 03.01 - 03.07	

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03620	2. PRIORITY 5	3. LICENSEE CONTACT James Center, Consultant RSO	4. TELEPHONE NUMBER (269) 387-5933
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Main Office Inspection Next Inspection Date: 3/28/2023

Field Office Inspection 300 Portage St and 4717 Campus Dr Kalamazoo

Temporary Job Site Inspection

PROGRAM SCOPE

This was an announced initial inspection of activities performed under this license. The licensee operated two facilities in Kalamazoo, Michigan, for laboratory research. Both facilities were previously authorized under other licenses before being brought under this license. The licensee employed three active authorized users who worked in two active laboratories; one at the Upjohn Campus (300 Portage St.) and one at the WMed Innovation Center (4717 Campus Dr.). Both active laboratories used tritium or carbon-14 weekly or monthly for research and development. No additional personnel worked under the supervision of the authorized users, though other personnel in the laboratories were trained in radiation safety. Facilities were consistent with the maps provided to the NRC before license issuance. The radiation safety officer (RSO) was a consultant working to establish the program; the licensee planned to appoint another individual as the RSO in the future.

One additional laboratory at the WMed Innovation Center had been active under a previous license using short half-life materials; the licensee had surveyed the facility, found no evidence of contamination, and planned to contact NRC to request that it be removed from the license. The laboratory remained posted and secured until it could be removed.

Performance Observations: Licensee research staff demonstrated use of tritium and carbon-14 for research and described laboratory setup, survey and cleanup of contamination, spill procedures, ordering and tracking licensed materials, use of personal protective equipment, calibration of liquid scintillation counters, and other procedures. The inspector noted no concerns with these procedures. Interviews with licensee personnel indicated adequate knowledge of radiation safety concepts and procedures. The licensee has not yet performed procedures requiring radiation dosimetry, but would assign such dosimetry when appropriate. The inspector performed independent and confirmatory radiation measurements which indicated results consistent with licensee survey records and postings.

No violations were identified as a result of this inspection.

Additional contact: Leandra H. Burke, Regulatory Affairs Specialist, Upjohn Campus (269-337-4276)

Handwritten signature and date:
4/26/2018