

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Wayne State University
Health Physics Department
5425 Woodward Avenue
Detroit, MI 48202

REPORT NUMBER(S) 14-001

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

030-01995

4. LICENSE NUMBER(S)

21-00741-08

5. DATE(S) OF INSPECTION

July 30-Aug. 1, 2014

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.


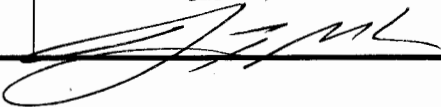
Non-cited violation(s) were discussed involving the following requirement(s):

- ☐ 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	Deborah A. Piskura, Health Physicist		8/1/14
BRANCH CHIEF	Aaron T. McCraw, Chief, MIB		8/22/14

Docket File Information

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6. INSPECTION PROCEDURES USED

87126

7. INSPECTION FOCUS AREAS

03.01- 03.07

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)

01100

2. PRIORITY

5

3. LICENSEE CONTACT

Maha Srinivasan, M.S., RSO

4. TELEPHONE NUMBER

(313) 577-1200

- ☒ Main Office Inspection Next Inspection Date: August 2019
- ☒ Field Office Inspection Numerous buildings on the Detroit campus
- ☐ Temporary Job Site Inspection

PROGRAM SCOPE

This was routine inspection of a large academic institution that operated a Type A academic broad scope program with authorization for byproduct material with atomic numbers 3-83 and several sealed sources for R&D as defined in Section 30.4 (including animal studies). The radiation safety department was staffed with a dedicated full-time RSO, and assistant RSO, two HPs and two HP technicians. The licensee established an RSC which reviewed and approved users, uses and facilities for the institution; the RSC meet quarterly to conduct business (last 6/12/2014).

Approximately 75 individuals were approved by the RSC as principle investigators who conducted research in 120 labs on the campus. Approximately 125 individuals worked under the supervision of the PIs. The majority of the licensee's research involved H-3, C-11, C-14, F-18, P-32, S-35, Cr-51 and Cu-64. The radiation safety office conducted audits of the research labs every six months. The licensee was authorized for numerous sealed sources, however many of these had been disposed of in 2006; the licensee committed to amend its license to remove these items.

This inspection consisted of interviews with licensee personnel, a review of select records, and observations of laboratory use of RAM. The inspector also observed the administration of research PET materials to animal research subjects. The inspector toured numerous research labs and reviewed licensee records including RSC meeting minutes, annual audits, RSO laboratory audit reports, waste manifests, sealed source leak tests, and personnel monitoring. The inspector performed independent and confirmatory radiation surveys.

No violations of NRC requirements were identified during this inspection.