

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Curators of the University of Missouri
Research Reactor Center
1513 Research Park Drive
Columbia, MO 65211

REPORT NUMBER(S) 2016-001

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

030-32695

4. LICENSE NUMBER(S)

24-00513-39

5. DATE(S) OF INSPECTION

April 14 - May 10, 2016

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:


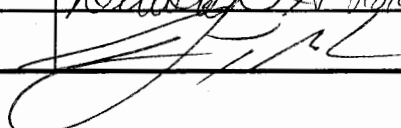
- ☒ 1. Based on the inspection findings, no violations were identified.
- ☐ 2. Previous violation(s) closed.
- ☐ 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was 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, Senior Health Physicist		5/10/2016
BRANCH CHIEF	Aaron T. McCraw, Chief, MIB		5/10/16

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

2

3. LICENSEE CONTACT

Ronald Dobey, CHP, RSO

4. TELEPHONE NUMBER

(573) 882-5218



Main Office Inspection

Next Inspection Date: May 10, 2018



Field Office Inspection



Temporary Job Site Inspection

PROGRAM SCOPE

This was a routine inspection of the broad scope materials authorization for a large research reactor (R-103/050-00186) operated by the University of Missouri. The licensee was authorized for byproduct material with atomic numbers 1-96 and numerous sealed sources and other isotopes for R&D. The licensee operated a Type A broad scope program and established a RSC to review uses, users and facilities. The RSC approved approximately 100 authorized users and met quarterly to conduct business. The daily oversight of the radiation safety program was performed by a dedicated full-time RSO, supported by 3 health physicists, 1 health physics supervisor, and 5 health physics technicians.

This inspection consisted of interviews with licensee personnel; a review of selected records; tours of numerous laboratories and hot cells, storage, and shipping areas; and independent measurements. The inspection included observations of used of RAM within the hot cells, inventories of select sources in the licensee's possession, security of licensed material, and use of personnel monitoring and surveys. The inspection included a review of source transfers between the university broad scope and the reactor materials licenses. This review of source transfers was coordinated and discussed with MLB staff in the office. The inspector advised the licensee's RSO to submit a license amendment request to specifically list three of these sources which were transferred from the university broad scope license.

No violations of NRC requirements were identified during this inspection.