

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

The Curators of the University of Missouri
Missouri University of Science and Technology
108 Campus Support Facility
1201 N. State St.
Rolla, MO

REPORT NUMBER(S) 2020001

2. NRC/REGIONAL OFFICE

Region III
2443 Warrenville Rd., Suite 210
Lisle, IL 60532

Select a location (Use keyboard arrows to select)...

3. DOCKET NUMBER(S)

030-32692

4. LICENSE NUMBER(S)

24-00513-40

5. DATE(S) OF INSPECTION

1/14/2020

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	Robert G. Gattone, Jr.	Robert G. Gattone, Jr.	1/14/2020
BRANCH CHIEF	Robert Ruiz, Acting Chief	Robert Ruiz, Jr. R. Ruiz	1/31/2020

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

1. LICENSEE/LOCATION INSPECTED:

The Curators of the University of Missouri
Missouri University of Science and Technology
108 Campus Support Facility
1201 N. State St., Rolla, MO

REPORT NUMBER(S) 2020001

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

030-32692

4. LICENSE NUMBER(S)

24-00513-40

5. DATE(S) OF INSPECTION

1/14/2020

6. INSPECTION PROCEDURES USED

87126

7. INSPECTION FOCUS AREAS

03.01 through 03.07

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)

03610

2. PRIORITY

3

3. LICENSEE CONTACT

Michelle Bresnahan, RSO

4. TELEPHONE NUMBER

(573) 341-4305

☒ Main Office Inspection

Next Inspection Date: 1/14/2023

☐ Field Office Inspection

☐ Temporary Job Site Inspection
PROGRAM SCOPE

This was an unannounced, routine inspection of an academic institution in Rolla, Missouri. The licensee's work hours are 8:00am - 4:30pm Monday through Friday. The licensee's program is run by the RSO, a health physicist and two part-time students. The licensee has 12 authorized users and 21 labs that used radioactive material at the time of the inspection. The licensee used: (1) microcurie quantities of cesium-137 and cobalt-60 sealed sources for research and development (R&D) and education; (2) 100 millicuries sealed source of cesium-137 used to calibrate equipment; (3) microcurie quantities of hydrogen-3 for R&D; and (4) a sodium-22 source containing millicurie quantities for positron research. In addition, the licensee possessed uranium slugs and a plutonium/beryllium source for its sub-critical assembly (SCA) that had been used since the last inspection for R&D. No animal studies have been conducted since the last inspection.

Responsibility for management of the University is vested in the Board of Curators. Licenses needed by the University are issued to "The Curators of the University of Missouri". Executive responsibility and authority for administration of operations within the Missouri University of Science and Technology (Missouri S&T) consistent with the policy set by the Board are delegated to the Chancellor by the President of the University of Missouri. The Chancellor appoints and delegates responsibility to the Radiation Safety Committee (RSC) to manage this program and to the Radiation Safety Officer (RSO) to implement the policies and procedures promulgated by the RSC.

The RSC is responsible for reviewing personal dosimetry data, discussing the results of required radiation surveys, and any significant incidents, including spills, contamination, misadministration, etc. The RSC is also required to review the program for maintaining doses ALARA and providing any necessary recommendations to ensure doses are ALARA. The overall compliance status for authorized users should also be thoroughly reviewed. The RSC reviews the results of the annual audit of the radiation safety program. Possible trends are analyzed, and suggestions for timely and corrective action are made. Problems will be clearly defined and reviewed in the future as open items. (See Next Page)

Signature
2/4/2020