

## SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

## 1. LICENSEE/LOCATION INSPECTED:

Southeast Missouri State University  
Rhodes and Magill Halls of Science  
One University Plaza  
Cape Girardeau, MO 63701

REPORT NUMBER(S) 2012-001

## 2. NRC/REGIONAL OFFICE

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

## 3. DOCKET NUMBER(S)

030-33508

## 4. LICENSE NUMBER(S)

24-09296-02

## 5. DATE(S) OF INSPECTION

4/10/13

## 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	Ken Lambert	<i>Ken Lambert</i>	4/10/13
BRANCH CHIEF	Tamara Bloomer	<i>Tamara Bloomer</i>	4/26/13

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

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April 10, 2013

## 6. INSPECTION PROCEDURES USED

87126

## 7. INSPECTION FOCUS AREAS

03.01-07

**SUPPLEMENTAL INSPECTION INFORMATION**

## 1. PROGRAM CODE(S)

3620

## 2. PRIORITY

5

## 3. LICENSEE CONTACT

Walt Lilly, Ph.D., RSO

## 4. TELEPHONE NUMBER

(573) 651-2359



Main Office Inspection

Next Inspection Date:

April 10, 2018



Field Office Inspection



Temporary Job Site Inspection

**PROGRAM SCOPE**

The licensee was a public university with approximately 10,000 students and 400 faculty on campus. The university was authorized to possess millicurie quantities of P-32, S-35, C-14, H-3, P-33 for laboratory research and development, although the licensee does not currently possess any of this material. In addition the licensee possesses a Th-230 plated check source and Am-241 as residual contamination. While the licensee has two authorized users, and one authorized laboratory, there has been no use of materials for research since 2005. The authorized laboratory serves as the licensee's counting laboratory. The licensee also used exempt quantity Cs-137/Ba-137m generators for physics labs and several other exempt check sources. The licensee continued to survey items removed from Magill Hall and was undertaking a complete remodeling of the hall.

**PERFORMANCE OBSERVATIONS**

The inspector performed a routine inspection of licensed activities. The inspector verified that radioactive materials stored in the counting laboratory were secured from unauthorized removal or access. The licensee performed an inventory of licensed materials every six months. The inspector reviewed minutes of radiation safety committee meetings, which occurred every six months. Licensee personnel described the use of licensed material, including purchasing, storage, use, and disposal. The inspector reviewed training records for individuals working with radioactive materials. Dosimetry results for 2009, 2010, 2011, and 2012 indicated all exposures were minimal.

The inspector noted that the licensee was performing a complete remodeling of Magill Hall, with half the hall complete and occupied, with the other half of the hall nearing remodeling completion. The RSO indicated that the licensee's contractor had surveyed all of Magill Hall over the last two years. Items with Am-241 contamination were segregated from other building materials and disposed as radioactive waste.

The inspector performed a limited review of decommissioning activities and records. The inspector reviewed building surveys; waste manifests and shipping papers for waste sent for disposal; and air sampling results, which included area monitors and breathing zone monitoring. All air sampling results reviewed were a small percentage of regulatory limits. The inspector informed the MCID branch regarding the extent of decommissioning and remodeling that was performed in Magill Hall.