

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/CERTIFICATE HOLDER Location Inspected: The Curators of the University of Missouri Administrative Center 5115 Oak Street Kansas City, Missouri 64110	2. REGIONAL OFFICE US Nuclear Regulatory Commission Region III 2443 Warrenville Road, Suite 210 Lisle, IL 60532
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REPORT NUMBER(S) 2008-01	3. DOCKET NUMBER(S) 030-32693	4. LICENSE/CERTIFICATE NUMBER(S) 24-00513-37	5. DATE(S) OF INSPECTION 5/19/2008
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Inspection Procedures Used: 87126	Inspection Focus Areas: 1 through 7
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LICENSEE/CERTIFICATE HOLDER:
 The inspection was an examination of the activities conducted under your license/certificate as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license/certificate. 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, NUREG-1600, 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 in the attached, were in violation of NRC requirements and are being cited. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.

STATEMENT OF CORRECTIVE ACTIONS

I hereby state that, within 30 days, the actions described by me to the inspector and as described in the attachment 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/ CERTIFICATE HOLDER	Susan Masih, RSO		5/ /2008
NRC INSPECTOR	Darrel G. Wiedeman		5/19/2008

NRC FORM 591 PART 2 (11-2001)

NRC FORM 591X PART 3
(11-2001)
10 CFR 2.201

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

U.S. NUCLEAR REGULATORY
COMMISSION

1. LICENSEE/CERTIFICATE HOLDER **University of Missouri**

2. REGIONAL OFFICE **Region III, Lisle, IL 60532**

REPORT NUMBER(S) **2008- 01**

3. DOCKET NUMBER(S) **030-32693**

4. LICENSE/CERTIFICATE NUMBER(S)

24-00513-37

5. DATE(S) OF INSPECTION

5/ 19 /2008

Supplemental Inspection Information

Program Code(s):
01100

Priority:
3

Licensee Contact:
Susan Masih, RSO

Telephone No. :
(816) 235-5289

Main Office Inspection
Field Office

Next Inspection Date: **12/2011**

Temporary Job Site

Program Scope

This licensee is a State of Missouri owned and operated university. Currently the licensee has a student population of 14,000 students at its Kansas City, Missouri campus. As of December 2007 the licensee had 138 trained radiation workers that were approved to work under the supervision of an authorized user. Under this license the Radiation Safety Committee has approved 36 user permits; however, only 23 are currently active.

The -37 license is a Type A broadscope research and development license that authorizes R&D as defined in 10 CFR 30.4, and for student instruction and instrument calibration. Through direct observation the inspectors determined that dosimetry was used by facility and contractor personnel. The licensee uses optically stimulated luminescent (OSL) dosimetry for whole body monitoring and thermoluminescent dosimeters (TLDs) in the form of finger rings and wrist badges for extremity monitoring. The dosimetry was supplied and processed by a National Voluntary Laboratory Accreditation Program (NAVLAP) accredited vendor. An examination of the OSL results indicating radiological exposures at the facility for the past year showed that the highest occupational doses, as well as doses to the public, were within 10 CFR Part 20 limits. The records showed that approximately 610 facility personnel received occupational exposures of zero (0) to only a few millirem above background (note: the licensee badges numerous individuals that do not necessarily need to be monitored). The highest annual whole body exposure received by a single individual for 2007 was 18 millirem deep dose equivalent (DDE). The highest annual extremity exposure for 2007 was 260 millirem shallow dose equivalent (SDE). According to the licensee's RSO, since the last NRC inspection there have been no fires, explosions, fatalities, floods (involving radioactive material), overexposures or lost/stolen ram material.

Under License No. 24-00513-37, the radiation safety staff collect all liquid and solid waste generated during licensed activities. The inspector reviewed selected records and tracking systems related to the collection and disposal of the waste. The licensee makes waste disposals once every year by transfer of the waste materials to Chase Environmental.

No violations of NRC requirements were identified within the scope of this inspection.