NRC FORM 591M PART 1 (07-2012) U.S. NUCLEAR REGULATORY COMMISSION								
10 CFR 2.201 SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION								
1. LICENSEE/LOCATI	ON INSPECTED:		2. NRC/REGIONAL OFFICE					
Curators of the Univeristy of Missouri Kansas City Administrative Center 5115 Oak Street Kansas City, MO 64110			Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352					
REPORT NUMBER(S) 2014001								
3. DOCKET NUMBER(S)	4. LICENSE NUMB	ER(S)	5. DATE(S) OF INSPECTION				
030-32693		24-00513-37		12/3+4/14				
Regulatory Commiss procedures and repr 1. Based or	an examination of the activities conduct sion (NRC) rules and regulations and th esentative records, interviews with pers n the inspection findings, no violations v	e conditions of you onnel, and observ	ur license. The inspection consiste	ed of selective examination	ons of			
	2. Previous violation(s) closed.							
non-repe	3. The violations(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 discuss	ed involving the fo	ollowing requirement(s):					
cited in a with 10 C	is inspection, certain of your activities, a ccordance with NRC Enforcement Polic FR 19.11. Is 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	a, unces specifically let	DATE			
LICENSEE'S REPRESENTATIVE				<u> </u>				
NRC INSPECTOR	Ken Lambert / Peter	Lee	Key Carbort / +	Lie	12/4/17			
BRANCH CHIEF	Aaron T. McCraw		I ME		12/17/14			
NRC FORM 591M PART 1 (07-2012)								

NRC FORM 591M PART 3 (07-2012) 10 CFR 2.201 U.S. NUCLEAR REGULATORY COMMISSION Docket File Information SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION								
1. LICENSEE/LOCATION INSPECTED:			2. NRC/REGIONAL OFFICE					
Curators of the Univer Kansas City Administrative Center Kansas City, MO 641 REPORT NUMBER(S) 20	5115 Oak Street 10		Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352					
3. DOCKET NUMBER(S)		4. LICENSE NUMBER(S	5)	5. DATE(S) OF INSPECTION				
030-32693		24-00513-37		12/03-04/2014				
6. INSPECTION PROCEDURES USED		7. INSPECTION FOCUS	7. INSPECTION FOCUS AREAS					
SUPPLEMENTAL INSPECTION INFORMATION								
1. PROGRAM CODE(S) 1100	2. PRIORITY 3	3. LICENSEE CONTAC Susan Masih, RS		4. TELEPHONE NUMBER (816) 235-5289				
 ✓ Main Office Ins Field Office Ins Temporary Job 		Next Inspection	Date: 12/03/2	2017				
PROGRAM SCOPE								

This was a routine announced inspection of an academic type A broad scope licensee, operated by the State of Missouri. The licensee performs research and development (R&D) on a campus that has a current student population of approximately 15,000. The licensee has approximately 200 radiation workers who are under the supervision of approximately 34 authorized user permit holders. The licensee conducts R&D primarily using C-14, H-3, although other radionuclides were used including Na-22, P-33, and Cf-252. The licensee has one user authorized for animal studies, but no studies were in progress at the time of the inspection. The licensee was recently approved for H-3 sealed source accelerator tubes for use in a neutron generator. The licensee disposes of waste by decay in storage or shipments to a licensed waste facility. The licensee does not dispose of waste in the sanitary sewer. The RSO reports to the radiation safety committee that meets quarterly. The health physics office was staffed with the RSO and one HP technician.

Performance Observations

The inspectors verified that radioactive materials stored in labs and in the waste storage building were secured from unauthorized access. The inspectors reviewed the neutron generator operation and licensee staff demonstrated the procedures for using the generator including searches of the building to ensure no one is present in the building outside the control station. The inspectors also reviewed neutron generator calculations for projected neutron dose rates during generator operation. The inspectors observed radiation safety staff perform a laboratory audit. The inspectors toured the waste storage building and noted that radioactive waste collection drums were properly labeled. The inspectors toured toured several laboratories and performed independent and confirmatory radiation measurements, which indicated results consistent with licensee survey records and postings. The inspector reviewed: radiation safety committee meeting minutes; annual audit of the radiation safety program for 2012 and 2013; waste disposal records; instrument calibration records; authorized user permits; inventory records; and laboratory audits. The inspector reviewed dosimetry records and noted that maximum DDE exposures were less than one percent of the NRC limits in 10 CFR Part 20.

No violations of NRC requirements were identified.