NRC FORM 591M PART 1 U.S. NUCLEAR REGULATORY COMMISSION								
10 CFR 2.201 SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION								
1. LICENSEE/LOCAT			2. NRC/REGIONAL OFFICE	r CACINA				
Washington University in St. Louis			2 NRC Region III Office NRC Region III Office 2443 Warrenville Rd.					
Washington University in St. Louis Campus			Lisle, IL 60532					
St. Louis	mo							
REPORT NUMBER(S) 2012 - 00 1								
		4. LICENSE NUMBER	R(S)	5. DATE(S) OF INSPECTIO	,			
030-38/67		24-00	167-14	7/16-20	/12			
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:								
l'/	on the inspection findings, no violations		nono dy trio mopostor. Trio map					
2. Previou	Previous violation(s) closed.							
3. The vic	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 discussed involving the following requirement(s):							
4. During	this inspection, certain of your activities,	as described below:	and/or attached, were in violation	n of NRC requirements ar	id are being			
cited in	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.							
f .	(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,								
	s made in accordance with the requirem pliance will be achieved). I understand t							
TITLE	PRINTED NAME		SIGNATURE		DATE			
LICENSEE'S REPRESENTATIVE	:							
NRC INSPECTOR	Robert G. Gattone, Jr. Robert P. Hays		Robert D. Walley M.	<u> </u>	7/20/12			
BRANCH CHIEF	71		1/20	0	0/2/-			
	TIAMARA GLOOMEST		VC/Xama		0/1/10			

NRC FORM 591M PART 3 (07-2012)	Docket File Information						
10 CFR 2.201			COMPLIANCE INS	SPECTION			
1. LICENSEE/LOCATION INSPECT	ED:		2. NRC/REGIONAL OFFICE				
Washington University in Washington University in St. Louis, MO			Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352				
REPORT NUMBER(S) 12-00	1		*				
3. DOCKET NUMBER(S)		4. LICENSE NUMBER(S	5. DATE(S) OF INSPECTION				
030-38167		24-00167-14	7/16-20/12				
6. INSPECTION PROCEDURES US	ED	7. INSPECTION FOCUS AREAS					
87125		02.01-02.07					
			ON INFORMATION				
1. PROGRAM CODE(S) 03210	2. PRIORITY 2	3. LICENSEE CONTACT Sue Langhorst, RSO		4. TELEPHONE NUMBER (314) 362-2988			
AND NO.							
✓ Main Office Inspection Next Inspection Date: 07/16/2014							
Field Office Inspection							
Temporary Job Si	te Inspection			Formation Andrews and the Section 2015			
		PROGRAM SO	OPE				
The Radiation Safety Officer reported to the Assistant Vice Chancellor for Environmental Health and Safety. The radiation safety personnel were supervised by two senior health physicists, who reported to the Associate RSO. The licensee's radiation safety staff included 12 individuals who are assigned specific duties relating to the radiation safety program to ensure compliance with license requirements. The licensee operated three cyclotrons for the production of radioactive materials (a.k.a. Positron Emission Tomography radiopharmaceuticals) used in medicine (i.e., CS-15 Cyclotron, RDS Cyclotron, and JSW Cyclotron).							
		Performance Obs	ervations				
facilities were posted as ambient exposure rate su result; (5) a Cyclotron Or included pre-work ambie dosimetry badges; (7) the Specialist demonstrate he members knew the action respond if the action level when the steel doors clost the CS-15 Cyclotron if the RDS Cyclotron and 5 ml instrument that was calib	required; (3) that licer rveys; (4) that the insperator demonstrate a ent exposure rate surveat the facilities were entered as the conducted rade a levels for ambient entered; (10 sed; (11) that, based one facility doors open R/hr at the RDS Cycle trated less than 1 year survey instruments p	nsee staff used apprectors' confirmate and describe how heys in strategic are equipped with operation safety auditory and reason as scenario posed with the cyclotron target bunker ago; (13) a Cyclo	propriate and calibrated sory survey result was the e had conducted cyclotras; (6) licensee staff we ating "cyclotron on" was of the CS-15 Cyclotron emovable contamination cyclotron Facility audible by the inspectors, the state on; (12) a maximum of surface using an NRC latron Operator demonstr	cense; (2) that the cyclotron surveys instruments to conduct e same as the licensee's survey on filament replacement, which ar whole body and extremity rnings; (8) a Radiation Safety in Facility; (9) that licensee staff in radiation surveys and how to be and visible alarm functioned taff knew they must shut down for 20 mR/hr at the surface of the Ludlum Model 2403 survey atte how he conducted daily extend fire extinguishers were			