NRC FORM 591M PART 1 U.S. NUCLEAR REGULATORY COMMISSION								
10 CFR 2.201 SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION								
1. LICENSEE/LOCATIO	N INSPECTED:		2. NRC/REGIONAL OFFICE					
OSEH - Radiation 1239 Kipke Drive Ann Arbor, MI 48	e 8109		Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352					
REPORT NUMBER(S) 3. DOCKET NUMBER(S)		4. LICENSE NUMBER	ER(S) 5. DATE(S) OF INSPECTION					
1			(3)					
030-38353		21-00215-07		November 5-8, 20	19			
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.								
 Previous violation(s) closed. 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 follo	owing requirement(s):					
cited in ac with 10 Cl	s inspection, certain of your activities, cordance with NRC Enforcement Polic FR 19.11. s 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 LICENSEE'S	PRINTED NAME		SIGNATURE		DATE			
REPRESENTATIVE								
NRC INSPECTOR	Edward F. Harvey		Edund !	terns	11/21/2019			
BRANCH CHIEF	Robert Ruiz		Rouge.	>	11/25/19			

NRC FORM 591M PART 3 U.S. NUCLEAR REGULATORY COMMISSION (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					
The Regents of the Univer OSEH - Radiation Safety 1239 Kipke Drive Ann Arbor, MI 48109 REPORT NUMBER(S) 20190	Service		Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352					
3. DOCKET NUMBER(S)		4. LICENSE NUMBER(L S)	5. DATE(S) OF INSPECTION				
030-38353		21-00215-07		November 5-8, 2019				
6. INSPECTION PROCEDURES USED 87125		7. INSPECTION FOCU	7. INSPECTION FOCUS AREAS All					
	SUPPLE	MENTAL INSPECT	ION INFORMATION					
1. PROGRAM CODE(S)	2. PRIORITY	3. LICENSEE CONTAC						
03210	2	Mark Driscoll, F	SO	(734) 647-2251				
✓ Main Office Inspection Next Ins			spection Date: November 5, 2021					
Field Office Inspection								
Temporary Job Site Inspection								
PROGRAM SCOPE								
This was a routine inspection of an academic institution authorized for radionuclide production and PET studies using two PETtrace cyclotrons on its campus in Ann Arbor, Michigan. The licensee employed four authorized individuals with access to the cyclotron vault, two of which were authorized to perform target rebuilds. The licensee relied on the manufacturer for most of the maintenance and services. At the time of the inspection, the licensee produced C-11 gas, N-13 liquid, and F-18 liquid approximately 5-10 times per day depending on the isotope, during normal business hours starting at 6:00 am. All byproduct material produced by the cyclotron was transferred to the university's medical broad scope license upon exiting the cyclotron vault. The licensee removed the Ionetix SC-12SC that was previously used at their facility on March 5, 2019. The device was replaced with a new PETtrace model that was undergoing operational testing at the time of the inspection.								
The inspector toured the cyclotron facility in Ann Arbor to evaluate the licensee's measures for materials security, hazard communication, and exposure control. The inspector conducted independent and confirmatory surveys of the facility and found no indications of residual contamination or any exposures to members of the public in excess of regulatory limits. The cyclotrons were not operating at the time of the inspection due to the operational testing of the new PETtracer unit. The licensee's staff demonstrated and discussed the implementation of procedures for cyclotron operations, including maintenance, area surveys, effluent monitoring, and waste handling. Through these observations and discussions, the inspector found the licensee's staff to be knowledgeable of radiation protection principles and regulatory requirements.								
The inspector reviewed a selection of available records relating to the use of the cyclotron, including area surveys, training documentation, audits, exhaust releases, and dosimetry.								
No violations of NRC requirements were identified during this inspection.								