

Application for Use of X-ray Radiation Producing Equipment

ction 1 - Appli					
			SU ID:		
			artment:		
Office Phone	#: I	Lab Phone #:	Cell Phone #:		
B. A copy of you Link to CV:	ır Curriculum Vita	ae is provided with	the application. 🗌 Yes	s □ No	
•		•	Radiation Equipment? cess descriptions, isotopes,		
EHSS Comments	on Section 1				
ction 2 - Perso	onnel and Traini	ng			
all personnel whessary). All indiv	no will use X-ray e viduals listed mus	equipment under yo st complete Syracu	our supervision (add addi se University's X-ray Equ		
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all personnel whessary). All individual indi	Student, Undergraduate I use radiation sea EHSS radiation safed with lab specific series.	equipment under your complete Syracust x-ray equipment. Category* e Student, Faculty, Staff, alled sources in this latety training prior to fety refresher training	Previous X-ray Radia Use Experience (Y/N Other (describe) aboratory will: using x-ray equipment g annually	ation) Ye	Years of Experience es

Section 3 - Description of X-ray Unit to be Used

Α.	Indicate the x-ray	, producina	equipmen	t unit prop	osed for use	in the f	ollowing ta	ble.
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A. Indicate the x-	-ray producing	g equipment unit p	roposed for use in	the following table.			
Type ☐ XRD (powder) ☐ XRD (powder) ☐ XRF ☐ Other-describe:							
Availability ☐ X-ray Unit is currently on campus ☐ X-ray Unit to be procured							
Manufacturer Model							
X-ray Serial #			X-ray Tube Target				
Beam type	☐ Open beam ☐ Closed beam ☐ Open beam inside enclosed system ☐ Other (describe)						
Maximum kVp			Maximum mA				
Operating kVp			Operating mA				
Additional Comm	nents						
B. Specify the Sat		of X-ray Unit (chec	k all that will be av	ailable)			
□ Shutter	,	☐ Shutter indicato	r	☐ Enclosure			
☐ X-ray On light		☐ Use logbook		□ Radiation survey meter			
□ kVp/mA Indicate	or	☐ Proximity senso	r	☐ Emergency shut off			
☐ Locked room		☐ Lockable contro	ls	☐ Password secured controls			
☐ Other safety fea	atures (describe	e)					
EHSS Comments	on Section 3						
Section 4 – X-ra	y Equipment	Procurement Ju	stification				
If you are proposing to procure a new x-ray unit, a justification for this proposed procurement must be provided below. This justification must demonstrate there is no suitable x-ray unit currently available at the University and a non-radiation producing alternative isn't reasonably substitutable.							
EHSS Comments on Section 4							

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Section 5 - Radiation Use Operations

A	. Estimate duration of your propos	sal
В	. Frequency of x-ray use	
С	. Describe the overall scop/purpos	se the proposed x-ray use:
D	. Procedures for the principal oper be sufficiently detailed for evalua start-up/shut down, sample chan	erations involving the x-ray equipment. The procedure(s) must ation of the associated hazard and must include: alignments, ages. etc.
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EHS	S Comments on Section 5	

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Secti	on 6 - Facilities						
A. List location(s) where x-ray will be used and stored.							
A. L	ist location(s) where Building	Room	Purpose	d stored.	Controlled acce		
	Bulluling	Koom	Use	☐ Storage	☐ Keyed lock	Swipe card	
			☐ Use	☐ Storage	☐ Keyed lock	☐ Swipe card	
В.	Will any of these area ☐ Yes ☐ No	s be access	ible to indiv	viduals who are	not authorized to	use x-ray:	
	If yes, please indicat	e the types	of individu	als having acc	ess (i.e. custodia	ıns, students, etc.):	
EH	ISS Comments on Se	ection 6					
Socti	on 7 Padiation E	voocuro U	ozord Evo	luction			
Secti	on 7 - Radiation E	xposure H	azaro Eva	luation			
A.	What is the highest a	mbient rad	iation expo	sure(s) expec	ted:		
	Immediate vicinity of	of x-ray dur	ing operation	on			
	X-ray user location	during ope	ration				
	Other locations in re	oom					
	Adjacent rooms and	d hallways					
	Describe steps that very exposures as low as		•	•	erally in the lab to	maintain radiation	
	EHSS will provide ra x-ray radiation produ	-		_	•		
	Use dosimetry	monitors as	assigned] Yes □ No		
	Store dosimetr	y in a centra	ilized locatio	on in the lab $\ \Box$] Yes □ No		
	Report lost or contact.	damaged do	simetry to E	HSS [] Yes ☐ No		
EHSS Comments on Section 7							

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and be provided to trained and authorized operators only.

EH:	EHSS Comments on Section 8	

☐ Key to operate x-ray equipment will be removed when not in use and the key will be stored securely

Describe additional steps that will be taken to prevent the unauthorized use of the equipment:

Section 12 - Assurance Statement

Date Received:

I acknowledge responsibility for the use of x-ray radiation producing equipment in my laboratory and agree to comply with all applicable law and regulations and University requirements for the use of the x-ray equipment. I am familiar with the applicable requirements of Syracuse University Radiation's Protection Program. I will ensure this information is readily available to all persons using the x-ray equipment in my laboratory. I also agree to have standard operating procedures for all operations proposed in this application available.

As an x-ray radiation equipment supervisor, I accept the responsibilities of the title as described in Section 1.3 Radiation Protection Program Handbook. I assume the responsibility of assuring that all individuals using x-ray equipment in my lab have completed the required x-ray equipment safety training program and have received supervised training on use of the x-ray equipment. I also agree to assure that all exposures from x-ray equipment used in my laboratory are kept as low as reasonably achievable. I also assure that all x-ray equipment use conducted in my lab will be in accordance with the terms and conditions of my application, the Radiation Protection Program Handbook, and applicable rules and regulations.

I am aware that any additions or modifications to approved x-ray equipment use procedures in my lab that could potentially increase or modify the radiation hazard must be approved by the Radiation Safety Committee. I also acknowledge that I will not dispose of, transfer or sell the x-ray equipment without approval from Syracuse University Environmental Health and Safety Services.

I certify that all information provided, and all statements made in this application are true and complete to the best of my knowledge.

Signature of Applicant		Date:		
		· _		
EHSS Use Only				
Application Number:	Amendment N	ımhar:		

Date Approved:

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Date To RSC:

Application for Use of X-ray Radioactive Producing Equipment

Application's Major Requirements Summary

This is a summary of major requirements and not an all-inclusive list of all requirements for this application.

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