Application for X-ray Machine Authorization

Instructions

X-ray machines must be registered with the Radiation Safety Office. All Authorized Users (AU) must be approved and authorized by the Radiation and Laser Safety Committee prior to using x-ray generating machines. Additionally, prior approval for procurement and installation of x-ray machines must be obtained from the Radiation Safety office.

The application involves primary items that are required to be completed before the application will be presented for the Radiation and Laser Safety Committee's review and approval. Complete this application form and submit to the Radiation Safety Officer (RSO). It is very important for the AU to ensure all required items are addressed to avoid delays; approval for use and request to purchase any additional x-ray machines will not be granted until the application is approved by the Radiation and Laser Safety Committee.

A Standard Operating Procedure (SOP) is required as part of the application process. A facility evaluation will be performed during the application review process to ensure proposed research can be conducted safety. Engineering controls (if applicable) will also be evaluated post-installation to verify that special safety features for the equipment and facility meet current requirements. Training recommendations required for the AU and all Radiation Workers is part of the application review process and should be completed as early as possible.

Authorization Information (to be completed by the Principal Authorized User)

1.	AU/ Operator/Supervisor:		
2.	Phone:	E-mail:	
3.	Emergency Contact:		
4.	Department:		
	Building/ Office #:		
6.	Lab Location:		
7.	Department Chair:		
8.	Purpose or Intended Use:		

Survey Instrument (Manufacturer/Model/Serial #/Recent Calibration Date):				
*Categories of x-ray machine for Rhode Island Department of Health (RIDOH) registration: Medical Radiographic (e.g. Bone densitometer), Veterinary, Other Industrial (XRD, XRF, etc), Minimal Threat (e.g. cabinet x-ray), Please consult with the RSO for assistance if needed. 10. X-ray machine description:				
Manufacturer				
Model				
Serial #				
Max kV				
Max mA				
Type*				
Manufacturer				
Model				
Serial #				
Max kV				
Max mA				
Туре				
Manufacturer				
Model				
Serial #				
Max kV				
Max mA				
Туре				

11. X-ray Control Measures

Access Control/Hazard Warning Signs & Device Labels

Yes	No		
		Posted entrances	
		Access control/device security	
		Control Area established	
		Warning label	
Engine	ering C	Controls	
Yes	No		
		Protective (Shielded) housing	
		Protective housing interlock	
		Key/Lock control	
		Activation warning system	
Admin	Administrative Controls		
Yes	No		
		Standard Operating Procedures/Emergency procedures	
		Emergency contacts posted	
		Personnel authorization	
Safety	Contro	ols	
Yes	No		
		X-ray machine is secured from unauthorized move	
		Beam intensity reduced or filtration in place	
		Radiation exposure below 2mR/hr at 30 cm from the machine	
		Limited access to spectators/visitors	

a) Summary of Authorized User's training and experience with x-ray machines including institution, courses, machine types, and duration. b) Summary of X-ray procedures (experimental protocol) c) Procedures for alignment, maintenance, and/or service, including procedures for the bypass of safety interlocks (additional requirements apply for medical radiographic types). d) Description of planned equipment modifications or updates to the machine. (Clinical use machines will require Equipment Performance Evaluation documentation)	Pro	ovide the following specific information (use additional sheet as required):
c) Procedures for alignment, maintenance, and/or service, including procedures for the bypass of safety interlocks (additional requirements apply for medical radiographic types). d) Description of planned equipment modifications or updates to the machine.	a)	
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	d)	Description of planned equipment modifications or updates to the machine. (Clinical use machines will require Equipment Performance Evaluation documentation).
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13. Important notes:

List of X-ray Users*:

a)	Certification of training must be documented for all users to operate or maintain the X-
	ray machines.

=:000:71.10,000:0			
Name	ID	Email:	Initial
Name	ID	Email:	Initial
Name	ID	Email:	Initial

Name_____ID____Email:_____Initial___

Name_____ ID _____ Email:_____ Initial__

(Other Authorized Users may be added later by amendment after completing these requirements)

- b) This application is strictly for non-human use only except as specifically authorized. X-ray use on humans under the scope of this authorization is prohibited. (Please indicate if clinical/veterinary use x-ray machine is involved)
- c) Any actual or suspected exposure must be reported to the RSO immediately.
- d) Modifications and repairs to an x-ray machine that could affect the beam quality (excluding routine beam alignment) must be reported to and receive prior approval from the RSO before the device is put back into operation.
- e) Notify the RSO prior to the x-ray machine being moved to another location, transferred to another individual, or disposed of.
- f) Notify the RSO when the status of device is changed from "Active" to "Inactive" and vice versa.
- g) Notify the RSO prior to laboratory close-out, relocation, and/or transfer of radiation device or source to another PI(s), including transfer out of the University. AUs leaving the University must notify the RSO at least 2 weeks prior departure.

^{*} X-ray Users must have read the X-ray Safety Manual and must verify by signing their initials.

^{*} X-ray Users must have received specific X-ray safety training for the radiation hazards in their labs from their Authorized User and must verify by signing their initials.

^{*} X-ray Users must have attended and passed the URI initial X-ray Safety Training and/or refresher course and must verify by signing their initials.

h)	Notify the RSO before the addition of an X-ray User. Privileges of departing X-ray Users should be suspended immediately and communicated to the RSO.			
i)	_	ed to document the specific p when the machine is used by		
	ovide a sketch of the room ntrol area. Use additiona	and the proposed location o	f the X-ray.	Identify the X-ray
CERTII	FICATION			
	I certify that the information contained herein and attached hereto is true and correct to the best of my knowledge.			
Date:		AU Signature:		