Virginia Department of Health Radioactive Materials Program (804) 864-8150



APPLICATION FOR A NEW RADIOACTIVE MATERIAL LICENSE AUTHORIZING THE USE OF SELF-SHIELDED IRRADIATORS

The Virginia Department of Health (VDH) is requesting disclosure of information for the purpose of obtaining a radioactive material license. Failure to provide any information may result in denial or delay of a radioactive material license.

Instructions – Complete all items. Refer to VAREG 'Guidance for Self Shielded Irradiators' for additional information. Use supplementary sheets where necessary. Retain one copy and submit original of the entire application to: Virginia Department of Health, Radioactive Materials Program, 109 Governor Street. Room 730. Richmond. VA 23219.

Governor Street, Room 730, Richmond, VA 23219.		
APPLICATION TYPE		
Item 1 Type Of Application (Check box)		
☐ New License		
CONTACT INFORMATION		
Item 2 Name And Mailing Address Of Applicant:	Item 3 Person To Contact Regarding Application: Name:	
	E-mail:	
Applicant's Telephone Number (Include area code):	Telephone Number (Include area code) () - x	
LOCATION OF RADIOACTIVE MATERIAL		
Item 4 Address(es) Where Licensed Material Will Be Used or Posse	essed (Do not use Post Office Box):	
Address	Telephone Number (Include area code)	
Address	Telephone Number (Include area code)	
Address	Telephone Number (Include area code)	
RADIATION SAFETY OFFICER		
Item 5. Radiation Safety Officer (RSO) (Check one box) RSO Name:		
Tel (Include area code): () - x		
E-mail:		
Before obtaining radioactive material, the proposed RSO will have VAREG 'Guidance For Self-Shielded Irradiators'.	e successfully completed training as described in Appendix G of	
	OR	
Alternative information demonstrating that the proposed RSO is qualified by training and experience is attached. (attach evidence of training and experience)		

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AU	AUTHORIZED USERS				
Item 6 Authorized Users (Check one box)					
	Before using radioactive material, authorized users will have received training as described in Appendix G in VAREG 'Guidance for Self-Shielded Irradiators.'				
	OR				
	A description of the training and experience for proposed authorized users is atta	ched.			
RA	RADIOACTIVE MATERIAL				
Item 7 Radioactive Material (Attach additional pages if necessary)					
Eler	Element and mass number Maximum	n quantity requested for each radionuclide:			
Dev	Device manufacturer or distributor and model number: Intended	use:			
EA	EACH ITIES AND EQUIDMENT				
	FACILITIES AND EQUIPMENT Item 8 Facilities And Equipment (Check all that apply)				
_	_				
П					
_	AND EITHER				
	We will ensure that each area where a self-shielded irradiator is located corresponds to the "Conditions of Normal Use" and "Limitations and/or Other Considerations of Use" on the applicable irradiator's Sealed Source and Device Registration Certificate; the floor beneath the self shielded irradiator is secured to prevent unauthorized access or removal; and each area where a self shielded irradiator is located is equipped with an automatically operated fire detection and control system (sprinkler, chemical, or gas) or the location of the area and other controls ensure a low-level radiation risk attributable to fires.				
OR					
	We will submit alternative information; be sure to include justification for placing an irradiator in an area that does not correspond to the "Conditions of Normal Use" and the "Limitations and/or Other Considerations of Use".				
RADIATION SAFETY PROGRAM					
Item	Item 9 Radiation Safety Program				
	Item 9.1 Audit Program The applicant is not required to, and should not, submit its audit program to the agency for review. This matter will be examined during inspection.				
Item 9.2 Radiation Monitoring Instruments (Check one box)					
	We will use instruments that meet the radiation monitoring instrument specifications published in Appendix K of VAREG 'Guidance for Self-Shielded Irradiators'. Additionally, each survey meter will have been calibrated by the manufacturer or other person authorized by VDH, the NRC or another Agreement State to perform survey meter calibrations no more than 12 months before the date the meter is used.				
_	OR	•			
	We will use instruments that meet the radiation monitoring instrument specifications published in Appendix K of VAREG 'Guidance for Self-Shielded Irradiators'. Additionally, we will implement the model survey meter calibration program published in Appendix K of VAREG 'Guidance for Self-Shielded Irradiators' and we ensure that each survey meter will have been calibrated no more than 12 months before the date the meter is used.				
OR					
	We will have access to survey equipment and/or procedures for ensuring that inte irradiator sources to the shielded position and/or determining source shielding int	locks function, as required, to return moving self shielded egrity after an incident involving the self shielded irradiator.			

Item	Item 9.3 Material Receipt And Accountability (Check box)				
	•	onths, to account for all sealed sources and devices received and possessed			
Item	9.4 Occupational Dose (Check one box)				
	We will maintain, for inspection by the agency, documentation demorradiation dose in excess of 10 percent of the allowable limits in 12 VA	nstrating that unmonitored individuals are not likely to receive, in one year, a AC 5-481-640.			
		OR			
	We will provide dosimetry processed and evaluated by a NVLAP-approved processor that is exchanged at a frequency recommended by the processor.				
Item	9.5 Public Dose				
	No response is required, in this license application, however the licen	see's evaluation of public dose will be examined during an inspection.			
Item	9.6 Operating And Emergency Procedures (Check one box)				
	We will develop, implement, maintain and distribute operating procedures" in VAREG 'Guidance for Self-Shielded Irradiators'. (Procedures)	dures that will meet the Criteria in the section titled "Operating and Emergency occdures are attached)			
		OR			
	We will submit alternative procedures. (Procedures are attached)				
Item	9.7 Leak Tests (Check one box)				
	Leak tests analysis will be performed by an organization authorized by VDH, the NRC or another Agreement State to provide leak testing services to other licensees; or by using a leak test kit supplied by an organization licensed by VDH, the NRC or another Agreement State to provide leak te kits to other licensees according to kit supplier's instructions.				
	List Name and License number of organization authorized to perform or analyze leak test (Specify whether VDH, NRC, or another Agreement State)				
	Organization Name	License Number			
		Agency:			
	Note: An alternate organization may be used to perform or analyze lo authorized by VDH, NRC, or another Agreement State.	eak test, without amending the license, provided the organization is specifically			
		OR .			
	We will perform leak testing and sample analysis and will follow the Irradiators'. (Procedures are attached)	model procedures in Appendix P of VAREG 'Guidance for Self-Shielded			
		OR			
	We will submit alternative procedures. (Procedures are attached)				
Item 9.8 Maintenance (Check one box for Routine Cleaning and Lubrication and one for Non-Routine Maintenance)					
ROU	JTINE CLEANING AND LUBRICATION:				
	We will implement and maintain procedures for routine maintenance distributor's) written recommendations and instructions.	of our self shielded irradiators according to each manufacturer's (or			
OR					
	Alternative procedures are attached.				
NON-ROUTINE MAINTENANCE:					
	We will have the self shielded irradiator manufacturer (or distributor) perform the non-routine maintenance.	or other person authorized by VDH, the NRC or another Agreement State			
	OR				
	We will provide procedures that address the information listed in Apprequest for authorization to perform this work. (Procedures are attack	pendix I of VAREG 'Guidance for Self-Shielded Irradiators' supporting a ned)			

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Item 9.9 Transportation (Check one box)				
We choose to transfer possession of radioactive material to an irradiator manufacturer, distributor or service lice Agreement State license who then acts as the shipper.	ensee with a VDH, NRC or another			
OR				
☐ Before offering a Type B package for shipment we will be registered with the NRC as user of the package and o program.	btain VDH approval of our QA			
DISPOSAL, TRANSFER AND LICENSE TERMINATION				
Item 10 Disposal, Transfer and License Termination				
Item 10.1 Disposal And Transfer (Check Box)				
We will return the source to the manufacturer for disposal or transfer the device to a specific licensee authorized to receive radioactive material.				
Item 10.2 Termination Of Activities (Check box)				
We will notify the agency, in writing, within 30 days of the decision to permanently cease radioactive material	use (12VAC5-481-500).			
LICENSE FEE				
Item 11 License Fees (Refer to 12 VAC 5-490.)				
License fee enclosed:				
Yes Amount Enclosed \$				
CERTIFICATION (To be signed by an individual authorized to make binding commitments on behalf of the app	plicant.)			
Item 12				
I hereby certify that this application was prepared in conformance with 12VAC5-481 'Virginia Radiation Protection Regulations' and that all information contained herein, including any supplements attached hereto, is true and correct to the best of my knowledge and belief.				
SIGNATURE - Applicant Or Authorized Individual	Date signed:			
Print Name and Title of above signatory				

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