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



APPLICATION FOR A NEW RADIOACTIVE MATERIAL LICENSE AUTHORIZING THE USE OF INDUSTRIAL RADIOGRAPHY

The Virginia Department of Health (VDH) is requesting disclosure of all 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 Industrial Radiography Use.' 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

750, Ideimiena, 171 2527					
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 C	Contact Regarding Application:		
		Name:			
Applicant's Telephone Number (Include area code):		E-mail:			
		Telephone Number (Include area code) () - X			
	IOACTIVE MATERIAL				
Item 4 Location of Rad	ioactive Material (Do not use Post Office Box):			
☐ Used ☐ Stored ☐ Used and Stored	Address:		Telephone Number (Include area code):		
	Demonstrat Call Facility				
Used	Permanent Cell Facility Address:		Telephone Number (Include area code):		
☐ Stored☐ Used and Stored☐	Address:		relephone Number (include area code).		
	Permanent Cell Facility				
☐ Used ☐ Stored ☐ Used and Stored	Address:		Telephone Number (Include area code):		
	☐ Permanent Cell Facility				
Is industrial radiography performed at temporary job sites?: Yes No					

RADIATION SAFETY OFFICER				
Item 5 Radiation Safety Officer (RSO) (Check all that apply)				
The name of the proposed RSO and other potential designees who will be responsible for ensuring that the licensee's radiation safety program is implemented in accordance with approved procedures.				
RSO Name –				
Tel (Include area code): () - x				
E-mail:				
AND				
We will demonstrate that the RSO has sufficient independence and direct communication with responsible management officials by providing a copy of an organizational chart by position and will confirm that the RSO has day-to-day oversight of the radiation safety activities.				
AND EITHER				
We will provide the specific training and experience of the RSO. Include the following:				
 Specific dates of certification and/or training in radiation safety. Documentation to show that the RSO has a minimum of 2,000 hours of hands-on experience as a qualified radiographer in industrial radiographic operations. Documentation to show that the RSO has obtained formal training in the establishment and maintenance of a radiation protection program. 				
OR				
We will provide alternative information demonstrating that the proposed RSO is qualified by training and experience (e.g. Board Certification by the American Board of Health Physicists, completion of a bachelor's and/or master's degree in the sciences with at least one year of experience in the conduct of a radiation safety program of comparable size and scope) documentation to show that the RSO has obtained formal training in the establishment and maintenance of a radiation protection program.				
TRAINING FOR RADIOGRAPHERS AND RADIOGRAPHER'S ASSISTANTS				
Item 6 Training For Radiographers and Radiographer's Assistants (Check box and attach requested information)				
We will submit the information outlined in section titled 'Training for Radiographers and Radiographer's Assistants' in VAREG 'Guidance for Industrial Radiography Use'.				
RADIOACTIVE MATERIAL				
Item 7 Sealed Source Radioactive Material (Attach additional pages if necessary)				
Element and mass number Exposure device manufacturer and model number				
Maximum activity per radionuclide and total maximum activity in possession Source changer manufacturer and model number				
Is Depleted Uranium used as a shielding material?				
Only radiographic exposure devices, source assemblies or sealed sources, and associated equipment which meets the requirements specified in 12VAC5-481-1210 will be used in radiographic operations. Yes No				

FINANCIAL ASSURANCE AND RECORDKEEPING FOR DECOMMISSIONING

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Item	Item 8 Financial Assurance and Recordkeeping For Decommissioning (Check both boxes)				
	We shall maintain drawings and records important to decommissioning and will transfer these records to a new licensee before licensed activities are transferred in accordance with 12VAC5-481-500 B or assign the records to the agency before the license is terminated.				
	AND				
	If financial assurance is required, submit evidence per 12VAC5-481-450 C.				
FAC	CILITIES AND EQUIPMENT				
Item	9 Facilities and Equipment (Check box and attach requested information)				
	We will submit the required information as listed in the section titled 'Facilities and Equipment' of VAREG 'Guidance for Industrial Radiography Use'.				
RAI	RADIATION SAFETY PROGRAM				
Item	10 Radiation Safety Program				
Item	10.1 Radiation Safety Program Audit				
	The applicant is not required to submit its audit program to the agency for review during the licensing phase. This matter will be examined during an inspection.				
Item	10.2 Termination Of Activities (Check box)				
	We will notify the agency, in writing, within 60 days of the decision to permanently cease radioactive material use. (12VAC5-481-500)				
Item	10.3 Instruments (Check all boxes that apply)				
	We will possess and use radiation survey meter(s) that meets the Criteria in the section titled 'Instruments' in VAREG 'Guidance for Industrial Radiography Use'.				
	AND EITHER				
	The calibration will be performed by a VDH, NRC or another Agreement State licensee specifically authorized to perform instrument calibration.				
	OR				
	We will follow the survey meter calibration procedures in accordance with Appendix J in VAREG 'Guidance for Industrial Radiography Use'.				
	OR				
	We will submit alternate procedures. (Procedures are attached)				
	Note: Identify the qualifications of the individuals who will perform the calibrations if performed by the applicant.				
Item	10.4 Material Receipt and Accountability (Check box)				
	Quarterly physical inventories (not to exceed 3 months) will be conducted of all sealed sources and/or devices containing radioactive material (including depleted uranium) and the information contained in the discussion section titled 'Material Receipt and Accountability' in VAREG 'Guidance for Industrial Radiography Use' will be documented.				
Item	10.5 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 test kits to other licensees according to kit suppliers' instructions.				
	List the 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				
	Issuing Entity				
	Note: An alternate organization may be used to perform or analyze leak test, without amending the license, provided the organization is specifically authorized by VDH, the NRC or another Agreement State.				
	OR				
	We will perform our own leak testing and sample analysis. We will follow the procedures in Appendix K of VAREG 'Guidance for Industrial Radiography Use.'				
	OR				
	We will submit alternative procedures. (Procedures are attached)				

Iten	Item 10.6 Occupational Dosimetry (Check all boxes that apply)				
	We will provide dosimetry processed and evaluated by a NVLAP-approved processor that is exchanged monthly.				
	AND				
	The required personnel monitoring equipment, including 0 to 2 mSv (200 mrem) dosimeters or electronic personal dosimeters, will be worn by radiographic personnel.				
	AND				
	Alarming ratemeters set to alarm at plus or minus 20% of 500 mrem/hour will be worn by all radiography personnel.				
	Note: Radiography personnel at permanent radiography installations where other appropriate alarming or warning devices are in use do not need alarming ratemeters.				
	AND				
	Pocket dosimeters and alarm ratemeters will be checked for correct response at intervals not to exceed 12 months.				
	AND EITHER				
	If adjustment is necessary, the devices will be returned to the manufacturer.				
	OR				
	☐ If adjustment is necessary, procedures for adjustments are described.				
Item	10.7 Public Dose				
Item	No response is required, in this license application, however the licensee's evaluation of public dose will be examined during an inspection. 10.8 Quarterly Maintenance (Check both boxes)				
	We have included procedures for quarterly maintenance as part of the operating and emergency procedures.				
	AND				
	Before using a new sealed source/device combination, we will have written inspection and maintenance procedures that address the use of new equipment as a Type B transport package. In addition, we will provide training to radiographic personnel before using a new sealed source/device combination.				
OPI	ERATING AND EMERGENCY PROCEDURES				
	10.9 Operating and Emergency Procedures				
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AUTHORIZING THE USE OF INDUSTRIAL RADIOGRAPHY					
Item 10.9.8 Ratemeter Alarms Or Off-Scale Dosimeter Readings (Check box)					
☐ We have addressed ratemeter alarms or off-scale dosimeters in the operating and en	We have addressed ratemeter alarms or off-scale dosimeters in the operating and emergency procedures.				
Item 10.9.9 Procedure For Identifying and Reporting Defects and Non-Compliance	(Check box)				
We have included procedures for notifying management of equipment malfunction or defect in the operating and emergency procedures.					
Item 10.9.10 Required Notifications (Check box)					
We have included appropriate instructions for notifying the RSO and/or other personnel in the operating and emergency procedures.					
Item 10.9.11 Minimizing Exposure Of Persons In The Event Of An Accident (Chec	sk box)				
☐ We have included instructions for minimizing exposure of persons in the event of a	We have included instructions for minimizing exposure of persons in the event of an accident in the operating and emergency procedures.				
Item 10.9.12 Source Retrieval (Check one box)					
We will not perform source retrieval and will use the services of a person specifically licensed by VDH, NRC or another Agreement State to perform the retrievals of our sources.					
OR					
We will perform source retrieval. We have included source retrieval procedures in the operating and emergency procedures and submit specific training for agency review.					
Item 10.9.13 Maintenance Of Records (Check box)					
We have included procedures which ensure proper maintenance of records in the operating and emergency procedures.					
WASTE MANAGEMENT					
Item 11 Waste Management (Check box)					
We will return the radiography sealed source(s) to the manufacturer for disposal or transfer the radiography sealed source(s) to a specific licensee authorized by VDH, the NRC or another Agreement State to receive radioactive material.					
LICENSE FEE					
Item 12 License Fees (Refer to 12VAC5-490.)					
Application Fee Enclosed:					
Yes Amount Enclosed \$					
CERTIFICATION (To be signed by an individual authorized to make binding commitments on behalf of the applicant.)					
Item 13					
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	L				

Revision 3 January 6, 2016