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



APPLICATION FOR RENEWAL OF A RADIOPHARMACY RADIOACTIVE MATERIAL LICENSE

The Virginia Department of Health is requesting disclosure of all information on this application 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 if this is an initial application or an application for renewal of a license. Refer to VAREG-I "Guidance for Radiopharmacy Licenses." Use supplementary sheets where necessary. Submit the entire application either electronically or by mail to the Virginia Department of Health, Radioactive Materials Program, 109 Governor Street, Room 730, Richmond, VA 23219.

APPLICATION TYPE	
Item 1	
☐ Renewal License Number	
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
() - x	
LOCATION OF RADIOACTIVE MATERIAL	
Item 4 Address(es) Where Radioactive Material Will Be Used Or Possess as listed on current license OR as listed on current license and please add the listed additional location OR see provided information for current information Address	Telephone Number (Include area code) () - x
Address -	Telephone Number (Include area code) () - x
Address , -	Telephone Number (Include area code) () - x

RAI	DIATION SAFETY OFFICER		
Item 5 Radiation Safety Officer (RSO) (Check all that apply and attach evidence of training and experience)			
1.	As listed on current license: OR	2. New Proposed RSO(Attach training and experience)	
RSO	Name –	RSO Name –	
Tel (el (Include area code): () - x Tel (Include area code): () - x		
E-ma	il:	E-mail:	
	A copy of the license (VDH, the NRC or an Agreement State) that as the RSO, an Authorized Nuclear Pharmacist, or an Authorized U	authorized the uses requested and on which the individual was specifically named Jser.	
		OR	
	A description of the training and experience demonstrating that the proposed RSO is qualified by training and experience as applicable to commercial nuclear pharmacies. Appendix G in VAREG 'Guidance for Commercial Radiopharmacy' should be used in documenting and determining required training and experience.		
AUT	THORIZED NUCLEAR PHARMACIST		
Item	$\begin{center} \textbf{6 Authorized Nuclear Pharmacist (ANP)} & (Check all that apply and apply and apply apply and apply $	nd attach evidence of training and experience)	
	As listed on current license		
	OR		
	We will provide a copy of the State pharmacy licensure for each ph	armacist.	
	AND ONE O	F THE FOLLOWING	
	We will provide a copy of the license (VDH, the NRC or an Agree	ment State) on which the individual was specifically named as an ANP.	
		OR	
	We will provide a copy of the permit maintained by a broad scope		
		OR	
	We will provide a copy of the certification(s) for the radiopharmacy board(s), and e will provide a written certification, signed by a preceptor ANP, that the training and experience as specified in 12VAC5-481-1770 has been completed and that the individual has achieved a level of competency sufficient to independently operate a nuclear pharmacy.		
		OR	
	We will provide a description of the training and experience demonstrating that the proposed ANP is qualified by training and experience, and we will provide a written certification, signed by a preceptor ANP, that the training and experience as specified in 12VAC5-481-1770 has been completed and that the individual has achieved a level of competency sufficient to independently operate a nuclear pharmacy.		
	THORIZED USERS		
Item	7 Authorized Users (AU) (Check all that apply)		
	As listed on the current license		
	OR		
	We will provide the individual's name and identify types, quantities	s, and proposed uses of licensed material.	
	AND ONE OF T	THE FOLLOWING	
	We will provide a copy of the license (VDH, the NRC or another A quantities and proposed uses of licensed materials.	agreement State) on which the individual was specified as an AU for the types and	
		OR	
	We will provide a copy of the permit maintained by a broad scope for the types, quantities, and proposed uses of licensed materials.	licensee or NRC master material licensee that identifies the individual as an AU	
OR			
	We will provide a description of the training and experience demo-	nstrating that the proposed AU is qualified to use the requested licensed materials.	
		y' may be helpful in describing the training and experience required.	

TRA	FRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING	RESTRICTED AREAS		
Item 8.1 Occupationally Exposed Workers And Ancillary Personnel (Check box if applicable and include procedure)				
	We have developed and will implement and maintain written procedures for a qualifications of the instructors; method of training; method for assessing the straining.			
Item	tem 8.2 Personnel Involved In Hazardous Materials Package Preparation And	Transport (Check box if applicable)		
		We have developed and will implement and maintain written procedures for training personnel involved in hazardous materials package preparation and transport that meet the requirements in 49 CFR 172.700, 49 CFR 172.702 and 49 CFR 172.704, as applicable. (Procedures are attached)		
RAI	RADIOACTIVE MATERIALS			
Item	tem 9 Radioactive Material (Attach additional pages if necessary)			
	As listed on the current license			
	OR			
Item	tem 9.1 Radioisotope(s)			
Item	tem 9.2 Chemical/Physical Form of radioisotopes requested.			
Ama	Ans onen containers of notantially valetile materials (Indias 121)	a D No		
	Are open containers of potentially volatile materials (Iodine-131) Ye nanipulated at this location?	-		
Ares	Are sealed sources used at this location?	process and engineering controls must be described.		
Aics	——————————————————————————————————————	please fill out Items 9.3 – 9.5, otherwise proceed to Item 9.6		
Item	tem 9.3 Sealed Source Manufacturer or Distributor and Model Number of seal	<u> </u>		
10011	tem sie sealed source framadeurer of Sisterbutor and fraoder rumber of seal	ou sources requesteur		
Item	tem 9.4 Device Manufacturer or Distributor and Model Number of devices req	uested.		
Is De	s Depleted Uranium used as a shielding material?	s 🔲 No		
		specify the total amount (in Kilograms)		
Item	tem 9.5 Maximum possession limit for each radioisotope requested.	<u></u>		
Itom	tem 9.6 Proposed use for each radioisotope requested.			
Ittiii	tem 7.0 Proposed use for each radioisotope requested.			
	PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USE tem 10 Distribution And Redistribution Of Licensed Materials)		
	tem 10.1 Radiopharmaceuticals (Check both boxes)			
	We will confirm that radiopharmaceuticals will be prepared under the supervise to 12VAC5-481-480 I , or under equivalent NRC or other Agreement State required.			
	AND			
	We will describe all licensed material to be distributed or redistributed.			
Item	Item 10.2 Generators (Check all boxes if using generators)			
	Confirm that the generators will be obtained from a manufacturer licensed pursuant to 12VAC5-481-480 I , or under equivalent NRC or other Agreement State requirements.			
	AND			
	Confirm that unused generators will be redistributed without opening or alterir	g the manufacturer's packaging.		

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Item	them 10.5 Redistribution of Generators (Check an boxes in redistributing generators)		
	We will submit a description of the procedures and instructions for safely repackaging the generators, including the use of the manufacturer's original packaging and minimization of migration of radioactive fluids out of the generator during transport.		
	AND		
	Confirm that the manufacturer's packaging and labeling will not be altered.		
	AND		
	Confirm that the generator will not be distributed beyond the expiration date shown on the generator label.		
	AND		
	Confirm that the redistributed generator will be accompanied by the manufacturer-supplied leaflet or brochure that provides radiation safety instructions for handling and using the generator.		
	AND		
	Confirm that only generators used in accordance with the manufacturer's instructions will be redistributed.		
Note	Although redistribution of used generators may be authorized by VDH, VDH approval does not relieve the licensee from complying with applicable FDA or other Federal or state requirements.		
Item	10.4 Redistribution Of Sealed Sources – For Brachytherapy Or Diagnosis (Check all boxes if redistributing sealed sources, for brachytherapy or diagnosis)		
	Confirm that the sealed sources for brachytherapy or diagnosis to be redistributed will be obtained from a manufacturer authorized to distribute sealed sources for brachytherapy or diagnosis in accordance with a specific license issued in pursuant to 12VAC5-481-480 J , or under equivalent NRC or other Agreement State requirements.		
	AND		
	Confirm that the manufacturer's packaging, labeling and shielding will not be altered and that redistributed sources will be accompanied by the manufacturer-supplied package insert, leaflet, brochure, or other document that provides radiation safety instructions for handling and storing the sources.		
Item	10.5 Redistribution Of Calibration And Reference Sealed Sources (Check all boxes if redistributing calibration and reference sealed sources)		
	Confirm that calibration and reference sealed sources to be redistributed to medical use licensees will be obtained from a person licensed pursuant to 12VAC5-481-480 J , or under equivalent NRC or other Agreement State requirements, to initially distribute such sources.		
	AND		
	Confirm that the manufacturer's labeling and packaging will not be altered and that redistributed sources will be accompanied by the manufacturer-supplied calibration certificate and the leaflet, brochure, or other document that provides radiation safety instructions for handling and storing the sources.		
Item	10.6 Redistribution Of Prepackaged Units For In-Vitro Tests (Check box if redistributing prepackaged units for In-vitro tests)		
	Confirm that the prepackaged units for in-vitro tests to be redistributed will have been obtained from a manufacturer licensed to distribute the prepackaged units for in-vitro tests pursuant to 12VAC5-481-480 G , or under equivalent NRC or other Agreement State requirements.		
Item	10.7 Redistribution To General Licensee (Check all boxes if redistributing to a general licensee)		
	Confirm that the manufacturer's packaging and labeling of the prepackaged units for in-vitro tests will not be altered in any way.		
	AND		
	Confirm that each redistributed prepackaged unit for in-vitro tests will be accompanied by the manufacturer-supplied package insert, leaflet, or brochure that provides radiation safety instructions for general licensees.		
Item	10.8 Redistribution To Specific License (Check box)		
	Confirm that the labels, package insert, leaflet, brochure, or other documents accompanying the redistributed prepackaged units for in-vitro test will NOT reference general licenses, exempt quantities, or VDH, NRC, or Agreement State regulations that authorize a general license.		

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PRF	EPARATION OF RADIOPHARMACEUTICALS	
Item	11 Preparation Of Radiopharmaceuticals (Check box and submit document)	
	We will attach a document that indicates the types of radiopharmaceuticals preparation activities we intend to perform (e.g.; compounding of Iodine-131 capsules, radioiodination, and technetium-99m kit preparation).	
	RVICE ACTIVITIES	
Item	12 Service Activities (Check box and submit procedure)	
	We will submit specific procedures for all radiation protection services that we intend to provide to other licensees (e.g. customers).	
FA(CILITIES AND EQUIPMENT	
Item	13 Facilities And Equipment (Check boxes and attach diagram.)	
	We will provide copies of a license from the State Board of Pharmacy; or evidence that we are operating as a nuclear pharmacy within a state medical institution.	
	Note: There may be a jurisdiction that does not recognize the practice of commercial radiopharmacy. In these cases, the applicant must submit evidence that it is registered or licensed with the FDA as a drug manufacturer.	
	AND	
	We will provide a description of the facilities and equipment to be made available where radioactive material will be used. A diagram should provide be submitted showing the entire facility and identify activities conducted in all contiguous areas surrounding the facility. Diagrams should be drawn to specified scale, or dimensions should be indicated. For additional information refer to VAREG 'Guidance for Commercial Radiopharmacy'. (Description is attached)	
RAI	DIATION SAFETY PROGRAM	
Item	14 Radiation Safety Program	
Item	14.1 Audit Program	
	The applicant is not required to, and should not, submit its audit program to the agency for review during the licensing phase. This matter will be examined during an inspection.	
Item 14.2 Radiation Monitoring Instruments (Check one box)		
	We will use equipment that meets the radiation monitoring instrument specifications and implement the survey meter calibration program published in Appendix J of VAREG 'Guidance for Commercial Radiopharmacy'.	
	OR	
	We will use equipment that meets the radiation monitoring instrument specifications published in Appendix J of VAREG 'Guidance for Commercial Radiopharmacy', and instruments will be calibrated by licensees authorized by VDH, the NRC or another Agreement State.	
	OR	

We will provide a description of alternative equipment to be used for radiation monitoring and alternative procedures for the calibration of radiation monitoring equipment. (Procedures are Attached)

We will provide, if applicable, a sample calculation for determining beta-correction factors for dose calibrators with ionization chambers. OR We will include, if applicable, a means for ensuring the accuracy of beta-correction factors supplied by the instrument manufacturer, or other entity. Item 14.9 Radioactive Drug Labeling For Distribution (Check both boxes) We will describe all labels, indicating the colors to be used, that will accompany the products and describe where each label is placed (e.g. on the "transport radiation shield" or the container used to hold the radioactive drug); (Description is attached) AND Agree to affix the required labels to all "transport radiation shields" and each container used to hold the radioactive drugs.

APPLICATION FOR RENEWAL OF A RADIOPHARMACY RADIOACTIVE MATERIAL LICENSE Page 7 of 7 Item 14.10 Radioactive Drug Shielding For Distribution (Check box) For each drug to be distributed, we will (except for products intended for redistribution without manipulation and in the manufacturer's original shipping package): Indicate the radionuclide and the maximum activity for each type of container (e.g. vial, syringe); Describe the type and thickness of the "transport radiation shield" provided for each type of container; and Indicate the maximum radiation level to be expected at the surface of each "transport radiation shield" when the radioactive drug container is filled with the maximum activity. NOTE: It is not acceptable to State that the applicant will comply with DOT regulations. The dose rate limits that DOT imposes apply to the surface of the package, not the surface of the "Transport Radiation Shield." Item 14.11 Leak Test (Check one box) Leak tests 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 supplier's instructions. License number of organization authorized to perform or analyze leak test (Specify whether VDH, NRC, or another Agreement State): Organization Name: ____ License Number: Issuing Agency: ___ 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, NRC or another Agreement State. OR We will perform our own leak testing and sample analysis. We will follow the procedures in Appendix L of VAREG 'Guidance for Commercial Radiopharmacy'. OR We will submit alternative procedures. (Procedures are attached) WASTE DISPOSAL AND TRANSFER Item 15 Waste Disposal And Transfer **Item 15.1 Waste Management** (Check box and submit procedure) We will develop, implement and maintain procedures for waste collection, storage and disposal by any of the authorized methods described in the section titled 'Waste Management' of VAREG 'Guidance for Commercial Radiopharmacy'. We will contact VDH for guidance to obtain approval of any method(s) of waste disposal other than those discussed in the section titled 'Waste Management' of VAREG 'Guidance for Commercial Radiopharmacy'. Item 15.2 Returned Waste From Customers (Check one box) We will follow the procedures for returned waste from customers in Appendix S of VAREG 'Guidance for Commercial Radiopharmacy'. We will develop, implement and maintain procedures for returned waste from customers, that will meet the criteria in the section titled 'Returned Waste from Customers' in VAREG 'Guidance for Commercial Radiopharmacy'. (Procedures are attached) **CERTIFICATION** (To be signed by an individual authorized to make binding commitments on behalf of the applicant.) Item 16 I hereby certify that this application was prepared in conformance with 12 VAC 5-481 '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

Revision 1 January 6, 2016

Print Name and Title of above signatory