STATE OF MAINE

APPLICATION FOR A RADIOACTIVE MATERIAL SERVICE PROVIDER LICENSE

INSTRUCTIONS: This application complies with the license requirements of Section C of the State of Maine Rules Relating to Radiation Protection (SMRRRP). Complete items 1 through 12. Supplemental sheets may be needed for items 5 through 11. Mail the completed application to: Radiation Control Program, 11 State House Station, Augusta, Maine, 04333. Telephone: (207) 287-5676. Facsimile: (207) 287-3059. E-Mail: radiation.dhhs@maine.gov

The Department of Health and Human Services (DHHS) does not discriminate on the basis of disability, race, color, creed, gender, age, or national origin, in admission to, access to or operations of its programs, services, or activities or its hiring or employment practices. This notice is provided as required by Title II of the Americans with Disabilities Act of 1990 and in accordance with the Civil Rights Acts of 1964 as amended, Section 504 of the Rehabilitation Act of 1973 as amended, the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972 and the Maine Human Rights Act. Questions, concerns, complaints, or requests for additional information regarding the ADA may be forwarded to the DHHS' ADA Compliance/EEO Coordinator, State House Station #11, Augusta, Maine 04333, 207-287-4289 (V) or 207-287 3488 (V), TTY: 800-606-0215. Individuals who need auxiliary aids for effective communication in programs and services of DHHS are invited to make their needs and preferences known to the ADA Compliance/EEO Coordinator. This notice is available in alternate formats, upon request.

USED AND/OR STORED.
DUOVE.
PHONE: PHONE

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

NAME: PHONE:

ADDRESS: (If different from #2.) E-Mail:

For items 5 through 11, the requested information may be submitted on standard size paper. Answer all items. For any that do not apply, answer by giving the item number with "not applicable" after it.

5.	RADIOACTIVE MATERIAL: provide the following information using the tables below or by attaching a description: (Check or complete the appropriate boxes)
	□ Identify each radionuclide that will be used in each sealed source/device.
	□ Identify the manufacturer or distributor and model number of each sealed source/device.
	□ Confirm that each sealed source/device combination listed and approved in the SSD registry for the purpose intended.
	□ Confirm that the activity per source/maximum activity per device specified in the SSD registration certificate will not be exceeded.

SEALED SOURCES/DEVICES POSSESSED INCIDENT TO PROVIDING SERVICES

Radioisotope	Mfg. / Model No. and SSD Certificate No.	Quantity
		Bq
		Ci
		Bq
		Ci
		Bq
		Ci
		Bq
		Ci

SOURCE MATERIAL

Radioisotope	Quantity
Depleted Uranium	Kilograms
Uranium-238	Kilograms
Thorium-232	Grams
Other: Specify	Grams

UNSEALED or UNCONTAINED MATERIALS

Radioisotope	Chemical or Physical Form		Total Activity Requested		
	□ Gas	□ Liquid	□ Solid	□ Other: Specify	Bq
					Ci
	□ Gas	□ Liquid	□ Solid	□ Other: Specify	Bq
					Ci
	□ Gas	□ Liquid	□ Solid	□ Other: Specify	Bq
					Ci
	□ Gas	□ Liquid	□ Solid	□ Other: Specify	Bq
					Ci
	□ Gas	□ Liquid	□ Solid	□ Other: Specify	Bq
					Ci

An **Emergency Plan** must be provided if it is required (C.7.G). If Financial Assurance is required then **Evidence of Financial Assurance must be provided**

6. PURPOSE FOR WHICH LICENSED MATERIAL WILL BE USED: Provide a description for which e used.					
	☐ Leak Test Analysis	☐ Environmental Sample Analysis	☐ Instrument/Dosimeter Calibration		
	□ Instruction				
Possession Incident to performing the following services on sealed sources and devices:					
	□ Installation	□ Radiation Surveys	□ Removal		
	□ Disposal	□ Relocation	□ Repair		
	□ Source Exchange	□ Routine Maintenance	□ Non-routine Maintenance		
	□ Source Retrieval	□ Transportation	□ Packaging		
	☐ Leak Test Sample Acquisition	□ Customer Training	□ Storage		
	☐ Other services not identified ab	ove, excluding activities involving critical mass q	uantities of special material:		

7.	Rac pro	ADIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM adiation Safety Officer - Include the specific training and experience roposed RSO is qualified by training and experience. Form HHE851 colluded with application.	e or alternate information demonstrating the
	٨	Name: Te	ephone:
	Δ	Address: Fa	x:
		E-	mail:
		We will ensure that the RSO is authorized to stop unsafe operation; an safety duties and responsibilities.	d has sufficient time to perform radiation
		Provide a copy of an organizational chart by position, demonstrating da activities.	ay-to-day oversight of the radiation safety
	nar For	RAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTR ames of all individuals who will use or directly supervise use of the radioa orm HHE851 for each individual and include copies of training certificates	
	8.1	1 Authorized Users:	
		Before using licensed material, authorized users will receive the train 1556, Vol. 18.	ing described in Appendix H of NUREG-
		OR Submit description of the training and experience for proposed auth	orized users.
	8.2	2 Ancillary Personnel	
		Before using licensed material, ancillary personnel will have succe portion of the training course described in Appendix H of NUREG-1556	
		OR Submit description of the radiation safety training program, incluassessment of training, qualifications of instructors, and the metho	
	8.3	Refresher Training:	
		We will provide annual refresher training.	
9.	FAC	ACILITIES AND EQUIPMENT: Describe your facility where the source will be	pe used and/or stored.
	r	Provide a diagram/drawing to scale of the facility(s) identifying area radioactive wastes, will be used, handled or stored. Show the relationsh and adjacent unrestricted areas.	
		Provide a description of the equipment to be made available at each loc will be used or handled.	ation where unsealed radioactive material
	F	Provide a description of the engineered safety systems, e.g., area monitor	s, interlocks, alarms, etc. at each location.
	C	Provide a diagram, when applicable, that identifies areas where radioactidiagram should contain descriptions of the ventilation systems, with persample collection points, and monitoring systems.	

10. RADIATION SAFETY PROGRAM: Describe your Radiation Safety Program.

10.1 Audit Program:

Management will conduct an annual audit of the Radiation Safety Program meeting the criteria of Appendix I NUREG-1556, Vol. 18 and maintain the records for three years.

10.2 Radiation Monitoring Instruments:

We will use instruments that meet the radiation monitoring instrument specifications published in Appendix J to NUREG-1556, Vol. 18.

OR We will use instruments that meet the radiation monitoring instrument specifications published in Appendix J to NUREG-1556, Vol. 18. Additionally, we will implement the model survey meter calibration program published in Appendix J to NUREG-1556, Vol. 18.

OR Submit a description of alternate equipment and/or procedure for ensuring that appropriate radiation monitoring equipment will be used during licensed activities and that proper calibration and calibration frequency of survey instruments will be performed.

We reserve the right to upgrade our survey instruments as necessary.

10.3 Material Receipt and Accountability:

Ordering licensed material and package receipt and opening will follow the model procedures in NUREG-1556, Vol. 18, Appendix K.

OR Submit a description of procedure (s) for ordering licensed material and package receipt and opening.

Provide a description of procedure(s) for ensuring material accountability of unsealed licensed material.

10.4 Occupational Dose:

We will maintain documentation demonstrating that unmonitored individuals are unlikely to receive, in one year, a radiation dose in excess of 10% of the allowable limits of SMRRRP Part D;

OR We will provide dosimetry processed and evaluated by a NAVLAP approved processor that is exchanged at a frequency recommended by the processor.

We will provide a bioassay program that meets the guidelines of Regulatory Guide 8.20 when using unsealed radioactive materials.

OR Submit a description of an alternate method for demonstrating compliance with the referenced regulations.

10.5 Public Dose:

We will ensure that licensed material will be used, transported, stored, and disposed of in such a way that members of the public will not receive more than 1 1mSv (100 mrem) in one year, and the dose in any unrestricted area will not exceed 0.02 mSv ([2 mrem) in any one hour, from licensed operations.

We will control/maintain constant surveillance of licensed material when in use and not in storage.

We will secure licensed material from access, removal, or use by unauthorized personnel.

	Operating and Emergency Procedures:
	We will develop, implement and maintain a procedure for obtaining an agreement with customers outlining the responsibilities of both the customer and service provider, when performing service operation's at a customer's facility.
	We will develop, implement and maintain instructions for handling and using licensed materials.
	We will develop, implement and maintaining security during storage and transportation.
	We will develop, implement and maintain instructions to keep licensed material under control and immediate surveillance during use.
	We will develop, implement and maintain steps to keep radiation exposures ALARA.
	We will develop, implement and maintain steps to maintain accountability during use.
	We will develop, implement and maintain steps to control access to work sites.
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	We will develop, implement and maintain instructions for using remote handling tools when handling sealed sou
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personnel monitoring equipment.

We will develop, implement and maintain procedures for transporting licensed material to temporary job si packaging of licensed materials for transport in vehicles (private or common carrier), placarding of vehicles w needed, and physically securing licensed material in transport vehicles during transportation to prevent accidental transporting, or unauthorized removal.
We will develop, implement and maintain procedures for picking up, receiving, and opening packages contain licensed materials, in accordance with Part D.32.
We will develop, implement and maintain instructions for maintaining records in accordance with the regulations the license conditions.
We will develop, implement and maintain procedures and actions to be taken of a sealed source is ruptured, included actions to prevent the spread of contamination and minimize inhalation and ingestion of licensed materials and action to obtain suitable radiation survey instruments.
We will develop, implement and maintain instructions for the proper storage and disposal of radioactive waste.
We will develop, implement and maintain procedures to be followed on the event of uncontrolled release of radioac unsealed licensed material to the environment, including notification of the RSO, the Agency, and other S agencies.
Service providers who perform specific operations involving sealed sources such as inspection and maintenance of devices, and removal and replacement of sealed sources:
We will provide appropriate procedures and instructions for these operations in the operating and emerge procedures. OR We commit to follow the manufacturer's procedures for inspection, maintenance, source exchange,
operations that involve access to the sealed source(s) and safety systems.
10.7 Surveys: We will survey our facility and maintain contamination levels in accordance with the survey frequencies contamination levels published in NUREG-1556, Vol. 18;
OR Submit description of alternative method for demonstrating how to evaluate a radiological hazard.
10.8 Leak Tests:
Leak tests, when required by the license, will be performed at intervals approved by the Agency, NRC or Agreem State and specified in the SSD registration sheet and leak tests will be performed by an organization authorized by Agency, NRC or Agreement State to provide leak testing services to other licensees or using a leak test kit supplied an organization authorized by the Agency, NRC, or Agreement State to provide leak test kits to other licensees according to the kit supplier's instructions;
OR Leak testing will follow the model procedures in Appendix O to NUREF 1556, Vol. 18;
OR Leak testing procedures and analysis will be done by the applicant. Provide the information in supporting a request to perform leak testing, (Appendix O to NUREF 1556, Vol. 18)
In addition, if you will distribute leak test kits to customers:
We will provide leak test kits as described in the model leak test kit description in Section8.9.8 of NUREG 1556, Vol 18;
OR Provide a sample of the kits that will be distributed for each type od sealed source/device combination for which you will provide analysis.

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We will implement and maintain procedures for routine maintenance of our device according to each manufacturer's (or distributor's) written recommendations and instructions;

OR Submit alternative procedures.

Non-routine Maintenance:

We will have the device manufacturer (or distributor) or other person authorized by the Agency, NRC, or Agreement State perform non-routine maintenance;

OR Submit the information listed in Appendix P to NUREG-1556, Vol. 18.

10.10 Transportation:

We will develop, implement, and maintain safety programs for transport of radioactive material to ensure compliance with the Agency, NRC, Agreement State and DOT regulations

11. WASTE MANAGEMENT:

We will use the model waste procedures published in Appendix N of NUREG 1556, Vol. 18;

- **OR** We will use the Decay-In-Storage model waste procedures that are published in Appendix N of NUREG 1556, Vol. 18;
- **OR** We will use the Disposal of Liquids Into Sanitary Sewerage model waste procedures that are published in Appendix N of NUREG 1556, Vol. 18;
- **OR** Provide procedures for waste collection, storage, and disposal by any of the authorized methods described in NUREG 1556,. Vol. 18.
- **12. CERTIFICATION**: The applicant and any official executing this certificate on behalf of the applicant named in item 2, certify that this application is prepared in conformity with the State of Maine Rules Relating to Radiation Protection and that all information contained herein, including any supplements attached hereto, is true and correct to the best of our knowledge and belief.

DATE: SIGNATURE OF APPLICANT:

TITLE: TYPED/PRINTED NAME: