

## Radioactive Materials (RAM) Industrial Radiography Licensing Checklist



	Licensee	Lic.#			
	<b>Submit 1 copy only.</b> Number all pages sequentially that are submitted for review. (Properly mark all appropriate information "Official Use Only – Security-Related Information")				
	■ Review the NUREG-1556 Volume 2 It can be used as guidance to complete this checklist.  □ Submit all Policy and Procedures to the Nevada Radiation Control Program.  http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/				
	☐ Submit an org http://dpbh.n	tion signed by executive management or a person authorized to sign original documents. ganizational chart and a Delegation of Authority form with wet signatures. v.gov/uploadedFiles/dpbhnvgov/content/Reg/Radoactive-GO_DelegationAuthority.pdf			
	☐ If financial as	Decommissioning and Emergency Plans: surance is required, submit documentation required by NAC 459.1955. Plan is required per NAC 459.1951, submit the plan required by NAC 459.195.			
	☐ Include the accomplished ☐ Submit a facion label each are ☐ For cells; identified and the roof, ☐ Describe the following barriers used ☐ Commit to "For Commit to" ☐ Label the alartic ☐ Submit a letter http://dpbh.n Mtl/Docs/Lar	lity address and diagram ddresses of the business office & use facility if different. lity Diagram including; Scale, the direction ↑ north, identify the camera storage location, as surrounding the camera storage location. Intify the type, thickness, and density of shielding materials on all sides, including the floor and the visible-audible alarm. In means of preventing access to unauthorized personnel and a description of the two tangible in securing the storage location. It is addiation Area" signs & "High Radiation Area" signage as required, including the roof. It is americant the land lord stating that they are aware of the storage/use of RAM. It is a surrounding the camera storage location and the visible-audible alarm. It is a surrounding the camera storage location and the visible-audible alarm. It is a surrounding the camera storage location and the visible-audible alarm. It is a surrounding the camera storage location and the visible-audible alarm. It is a surrounding the camera storage location and the visible-audible alarm. It is a surrounding the camera storage location. It is a surrou			
	certifying en  ☐ Commitment before using ☐ Submit opera specific train	that each employee will complete device manufacturer's training program or equivalent a device. A current list of users shall be maintained by the RSO. ting and emergency procedures that include instructions for source retrieval procedures and ing.			
Ц	☐ Submit traini requirements	ficer (RSO), and if applicable, Alternate RSO (ARSO)  ng certificates for Radiation Safety, current HAZMAT, and RSO training. Suggested training are found in NUREG 1556 Vol. 2  y of a RAM license listed as RSO (if available) & Delegation of Authority for each.			
	Dosimetry Policy & I  ☐ Provide the n frequency. ☐ Commit to m ☐ Commit to w ☐ Submit opera ☐ Commit to pe	•			

	Device	s & Inventory Policy & Procedure				
		Submit a current inventory with the date and RSO initials, the manufacturer, model no. & serial no. for each device (Camera & exchanger), nuclide and activity of each sealed source, and the location.				
		Commit to performing and documenting a physical inventory every 3 months.				
		Commit to submit in writing an updated inventory to RCP when cameras are +/- from inventory.				
		Commit to Leak Testing as per manufacturer (Including DU) and submit:				
		☐ Include the name of the company supplying kits and analyzing the leak tests.				
		☐ If they are self-analyzed, submit Licensee's procedures for analysis.				
		☐ List of Users to perform leak tests other than the RSO, & submit their training.				
		Submit a copy of most recent leak test results for each camera.				
		Describe the use of each device.				
		Commit to submitting inventory information as required by the National Source Tracking System (NSTS).				
		Indicate whether radiography and source exchanges will be performed at the place of business outside of a permanent facility as if the work were "in the field."				
□ Radiation Survey Instruments Policy& Procedure						
ш		Commit to a semi- annual (6 months) calibration of Survey instruments				
	ш	☐ Include the name of the company performing calibration.				
		Commit to calibrating audible alarms at least annually.				
		Commit to calibrating addrose atalms at least annually.  Commit to calibrating pocket dosimeters at least annually.				
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П		erly Maintenance Policy & Procedure				
		Commit to documenting Quarterly maintenance checks of all equipment.				
		Commit to withdrawing equipment that fails inspection, until repaired and evaluated for return.				
	Ш	Commit to a written inspection before using a new source/device combination.				
	Opera	ting and Emergency Policy & Procedures				
		Commit to an annual Audit program of the radiation safety program.				
		Submit operating procedures for daily inspection and maintenance of radiographic equipment.				
		Submit operating procedures for notifying management of equipment malfunction or defect.				
		Submit step by step procedures for use of the device or commit to the manufacturer's instructions.				
		Submit emergency procedures for workers to use in case of Incident Response (damage, theft or loss) and				
	_	the reporting requirements.				
		submit the name of the contractor that will perform this service.				
	Ц	Include the contact information for those who should be notified (cell, office, fax & email)				
		RSO & Nevada RCP- contact numbers.  Radiation Control Program (8:00AM–5:00PM M-F) (775) 687-7550				
		Radiation Control Program (8:00AM–5:00PM M-F) (775) 687-7550 Radiation Control Program 24 hr Emergency Number (877) 438-7231				
		Nevada Highway Patrol (24 hrs) (775) 687-0400				
	Ц	Commit to cameras will be used, transported, and stored in such a way that members of the public will not				
		receive more than 100 millirem (mrem) in one year, and the dose in any unrestricted area will not exceed				
		2 mrem in any one hour from licensed operations.				
☐ Camera/Device Transportation Policy & procedures						
☐ Submit procedures for temporary storage of the device when not in use or under physical surveillance						
		Describe the two tangible barriers used to secure the device (i.e. two independently keyed/combination				
	_	locks).				
		r				
		and braced during transportation, pictures may be submitted.				
		Commit that all RAM will be transported in accordance with U.S. DOT regulations (49 CFR).				
		☐ Provide documentation of registration with the USNRC to use Type B packages, as required by				
		49 CFR 173.471a "The offeror shall be registered with the USNRC as a party to the packaging				
		approval, and make the shipment in compliance with the terms of the packaging approval".				
		Commit that all users will have HAZMAT training prior to transporting RAM.				

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	ing of Radiographers & Assistants  ☐ Submit an outline of the training to be given to prospective radiographers and radiographer's assistants.				
	☐ Submit your procedures for experienced radiographers who have worked for another licensee.				
	☐ Provide a copy of a typical examination and the correct answers to the examination questions. Indicate the				
	passing grade.  I While you do not need to provide a description of the training and examination program in the topics listed				
	in 10 CFR 34.43(g), all other training program descriptions must still be submitted.				
☐ Specify the qualifications of your instructors in radiation safety principles and describe their experie					
with radiography. If training will be conducted by someone outside the applicant's organization, iden					
	the course by title and provide the name and address of the company providing the training.  Describe the field (practical) examination that will be given to prospective radiographers and				
radiographer's assistants.					
	☐ Describe the annual refresher training program, including topics to be covered and how the training will be				
	conducted.  ☐ Submit your procedures for verifying and documenting the certification status of radiographers and for				
	verifying that their certification remains valid.				
	☐ Submit a description of your program for inspecting the job performance of each radiographer and radiographer's assistant at intervals not to exceed 6 months, as described in 10 CFR 34.43(e).				
□ Disp	osal Policy& Procedure				
	☐ The transfer or disposal will be conducted by returning to the manufacturer, transferring to another				
	specific licensee or a licensed waste broker specifically authorized to possess the camera/device.  Commitment to maintain records of receipt, transfer, and disposal of all sealed sources and devices				
	received and possessed under the license.				
	☐ Commitment that license termination will be conducted in compliance with Nevada Administrative Code				
	(NAC) 459.200.				
	Matarials Control & Security Chacklist				
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☐ Current & previous security plan								
☐ Initial & refresher training on the security program, and								
☐ Implementation procedures								
☐ Commit to LLEA coor ☐ Commit to developing, ☐ Commit to monitoring ☐ Commit to a mainter	dination, updating every implementing & mainta and detecting all entries nance and testing progra ts for mobile devices per	12 months & maintain for 3 year aining security zones per 10 CFF into the security zones per 10 C m per 10 CFR 37.51 r 10 CFR 37.53 (if applicable)	R 37.47					
<ul> <li>□ Physical Protection in Transit: Subpart D</li> <li>□ Commit to using the NRC License Verification System (LVS) or contacting the licensing agency prior to shipping Category 1 or 2 quantities to any other licensee per 10 CFR 37.71to 37.79</li> <li>□ Commit to maintaining the verifications for three years</li> <li>□ Commit to implementing the Reporting of Events to LLEA, RCP, and the NRC per 10 CFR 37.81</li> </ul>								
	CERTIFICATION	ON						
The Applicant understands that all commitments that are marked above are binding and considered part of the license application; if not applicable, DO NOT mark. All applicable items that require submission must accompany the application, license fee and this checklist.								
CERTIFYING OFFICER —PRINTED NAME	TITLE	SIGNATURE	DATE					