

NRC regulation: [10 CFR 20](#), [10 CFR 30](#)



RSO qualifications, RSO/Authorized User training

Education: BS or higher in scientific or technical field

RSO Training: 40-hour RSO

Experience: Varies according to the complexity of the license – from 1-5 years

Authorized users: Designated by RSO, approved by regulators, receive AU training appropriate for their use of radioactive materials

Facilities: Must be adequate to protect health and to secure sources against loss or theft.

Radiation Safety Program Components

Dosimetry: Required for any worker who might reach 10% of a dose limit; consider area dosimetry in area(s) in which sources are stored or used regularly

Instrumentation: gamma dose rate (e.g. ion chamber), alpha, beta, and/or gamma contamination

Surveys: ([10 CFR 20.1501](#)) As appropriate for amount and frequency of nuclide use

Sealed source inventory and leak testing: Required every 6 months; leak testing may be performed by licensee and counted by vendor or can all be performed by vendor.

Program audit: Annual (by internal or external auditor)

Procedures: Required to develop and use security procedures, operating procedures and emergency response procedures for each type of fixed gauge

Radioactive package receiving: Required to have SOP

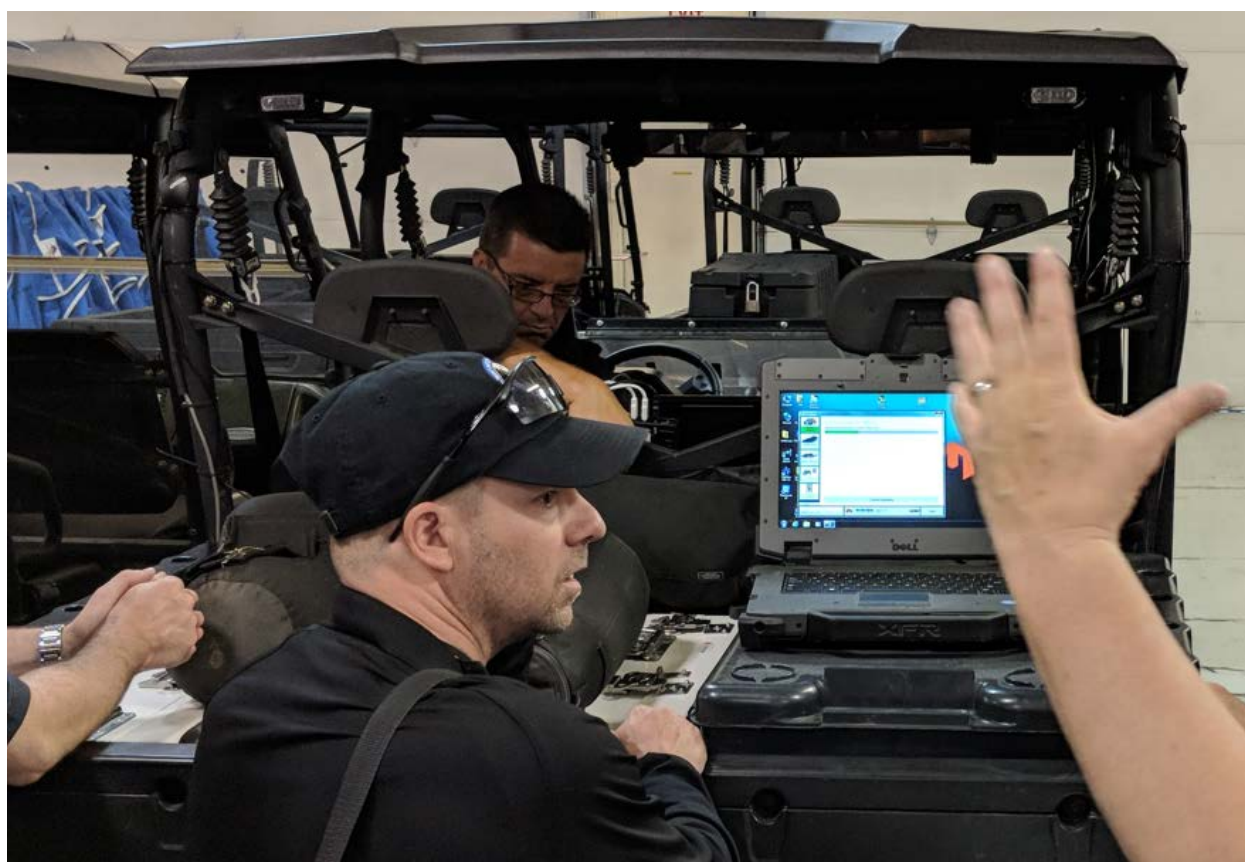
Radioactive materials accountability: Inventory every 6 months

Other considerations: This is a broad license category that can apply to wide variety of small radioactive materials licenses and programs. The number and activity of sources and complexity of work will determine the RSO's qualification requirements.

License Profile: Licenses of Limited Scope: NUREG 1556 Vol 7, Rev 1 (2018)

Records retention

Record	Retention	Record	Retention
Receipt records	3 years following source receipt, transfer or disposal	Inventory	5 years
Source transfer		Leak test	3 years
Important to decommissioning	Until site released for unrestricted use	Shipping, transportation	2 years after shipping or transportation
Radioactive material disposal	Until license terminated	Dosimetry	Until license terminated



Using low-activity radioactive sources (possessed under this type of license) to train emergency responders in preparation for a high-profile sports event.

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Visit www.ntanet.net for more radiation safety training and consulting resources.