

License Profile: Portable Gauges (NUREG 1556 Vol 1, Rev 2 (2016))

NRC regulation: [10 CFR 20](#), [10 CFR 30](#), [10 CFR 71](#)



RSO qualifications and Training

Education: N/A **RSO Training:** Manufacturer's RSO course

Experience: Three months OJT at applicant's or another similar facility, including experience operating the same type(s) of gauge(s) to be licensed

Gauge users: Portable gauge manufacturer's course and hand-on training

Facilities: Must be adequate to protect health and to secure the source against loss or theft. Environment must fall within "Conditions of normal use" on source certificate

Radiation Safety Program Components

Dosimetry: Not required if licensee can show that workers are unlikely to exceed a limit

Instrumentation: Radiation survey instrument (e.g. Geiger tube, scintillation detector, ionization chamber) to locate lost source or check shielding after an incident

Surveys: ([10 CFR 20.1501](#)) Frequently performed by contractor.

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; example audit program in Appendix E of this NUREG

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

Radioactive package receiving: Required to have SOP for package receipt

Other considerations: If a licensee has multiple gauges in which the total activity of all sources exceeds Category 1 or Category 2 levels, refer to [10 CFR 37](#).

Portable gauges are sometimes damaged when in use in the field; survey in event of an accident or damage to instrument casing

Records retention

Record	Retention	Record	Retention
Receipt records	3 years following transfer or disposal of source	Inventory	5 years
Source transfer		Disposal	Until license terminated
Important to decommissioning	Until site released for unrestricted use	Dosimetry	Until license terminated

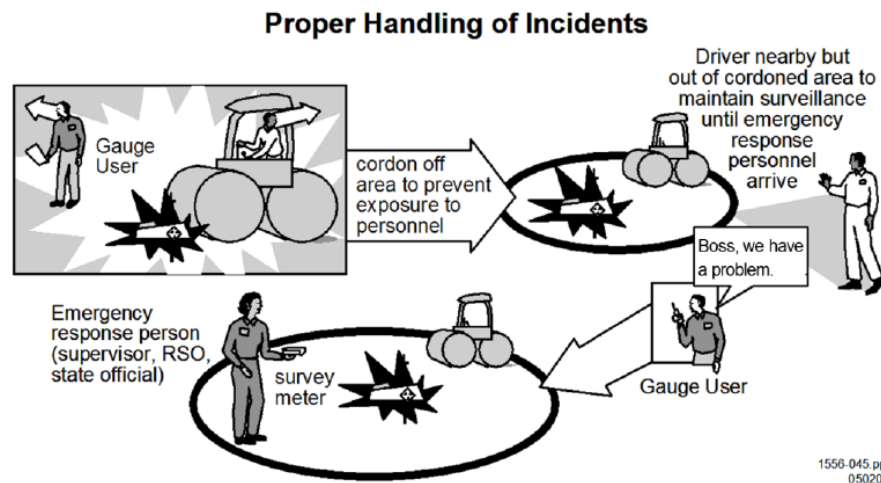


Figure 8-5. Proper Handling of Incidents. *Gauges Can Be Damaged By Heavy Equipment at Jobsites; Therefore, Emergency Procedures Need To Be Followed To Minimize Radiation Safety Risk.*

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