

567—134.27(455B) Installation inspectors. In addition to the licensing requirements listed under rule 567—134.19(455B), an installation inspector shall provide documentation of at least two years of experience with underground storage installations, testing, inspecting, or design; documentation of manufacturer certification for past work; and proof of current certification for future work. An engineer who intends to apply for licensure as an installation inspector and who has met the requirements in Iowa to be a registered professional engineer (P.E.) may be exempt from the educational requirement so long as UST installation is in the scope of the engineer's P.E. license and regular practice as provided for in rule 567—134.19(455B). Engineers, however, are not exempt from fulfilling the examination requirement.

134.27(1) *Renewal qualifications.* To be eligible for license renewal, an installation inspector shall fulfill the department's continuing education requirements in rule 567—134.19(455B) and shall maintain manufacturer certification or notify the department within 30 days if the certification is lost.

134.27(2) *Documentation of work performed.*

a. A copy of the inspection report must be submitted within 14 days after the inspection is complete. Both the inspection form and DNR Form 148 must be received by the department before the UST system can be activated.

b. A licensed installation inspector shall inspect the job site a minimum of three times during the course of the new tank installation or system upgrade.

c. The installation inspector shall be present on site, shall visually observe all inspections, and shall be able to attest to the results. A video or other recording device showing the work completed by the installer shall not be used nor shall it be an acceptable method of providing independent inspection of the work completed.

134.27(3) *Inspections required.* Inspections are required when concrete is cut or excavation is required that could affect the integrity or operation of the UST system or when a component that routinely contains product is installed, replaced or repaired. Inspections shall occur when the component is uncovered and replaced or repaired and during testing when required (i.e., piping replacement or repair) but before operation recommences.

a. An inspection shall occur before the tanks or piping are installed.

b. An inspection shall occur before the covering of tank or piping, when all tanks and piping are exposed. The inspector shall witness testing of the primary and secondary piping and testing of the secondary containment, including sumps, under-dispenser containment (UDC), and secondary containment leak detection equipment.

c. A final inspection shall occur when all components are operational and the system has been covered, but before actual operation.

d. Whenever secondary containment (such as sumps or UDC) is installed, at least one inspection is required after the equipment is installed and before the system is backfilled.

134.27(4) *Inspection not required.* Replacing, repairing or installing the following does not require an inspection: drop tubes, overflow devices, spill buckets, installation of ATG systems, dispensers, submersible turbine pumps, automatic line leak detectors, internal lining and periodic inspections or lining repair, cathodic protection systems, interstitial sensors, flex connectors, and line and tank tightness testing.

134.27(5) *Pre-work notification requirement.*

a. A licensed company/individual hired by an owner/operator to perform work shall notify the owner's/operator's licensed installation inspector of choice prior to commencing work. Additionally, the owner/operator is responsible for supplying the name of the installation inspector if it is not a governmental entity to any state or local agency with rules affecting installations or upgrades.

b. The pre-work notice given to the installation inspector shall include, at a minimum, the following information:

- (1) Description of the work planned.
- (2) The licensed individual responsible for the work to be performed.
- (3) A schedule of the work to be performed.
- (4) A copy of the UST notification of intent to install form submitted to the department.

c. The installation inspector shall review the work plan, and any required changes by the installation inspector must be submitted to the company/individual prior to the beginning of the described work. An inspection schedule must be agreed upon before work commences. Changes to the work schedule, to include the inspection schedule, because of weather or unforeseen job-site conditions shall be agreed upon as soon as the extenuating circumstances are recognized.

134.27(6) *Pre-installation and installation checklists.*

a. The licensed company/individual performing the work shall submit to both the installation inspector and the department a notification of intent to install form 30 days prior to an installation or upgrade.

b. Installation inspectors are required to use the department's installation inspection checklist. The installation inspection checklist must be submitted within 14 days following the tank installation inspection.

134.27(7) *Conflict of interest.* In addition to the conflict-of-interest provisions outlined in rule 567—134.21(455B), the following apply to installation inspectors:

a. If the installation inspector establishes a contract to perform inspection services for an owner/operator, or performs more than five inspections per calendar year for any one owner/operator, then the installation inspector is required to disclose that relationship in writing to the department within 30 days of the fifth inspection.

b. The department may require the owner/operator to seek alternative inspection services for any reason deemed prudent to ensure quality installations.

134.27(8) *Miscellaneous requirements.* An installation inspector has the right to postpone work or to stop work on a job if standards as outlined in Part C of this chapter are not followed by the installer. Furthermore, once an installation inspector has been placed on a job, that installation inspector cannot be replaced without the department's approval. Installation inspectors must verify that any local permit and notice requirements are in place.

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