Common Terms:

Certified installer: a person certified to install and repair Aboveground Storage Tank (AST) systems, Underground Storage Tank (UST) systems or a registered professional engineer who directly supervises an installation and who is competent in the engineering methods and requirements in Wisconsin for designing and installing storage tank systems.

Piping system: the primary piping, secondary containment, leak detection devices, tubing and any core components which allow the piping system to function as intended and in accordance with the installation requirements.

Tank system: the primary tank and pipe, integral secondary containment, integral supports, leak detection, overfill prevention, spill containment, anti-siphon devices, any vapor-recovery system connected to the tank, and the necessary core components that allow the tank system to function as intended and in accordance with the installation requirements.

Responsible Parties:

All tank system installations or closures/removal must only be performed by a registered tank specialty firm. The certified installer must be the party that has supervised the project and will be completing and signing the documentation upon the pre-commission inspection.

For UST system installations, the certified UST installer shall be present at the job site for at least the following activities: Preinstallation tank system testing; Placing of bedding material and the setting of tanks; Backfilling operations and compacting of backfill around tanks and piping; Installation and testing of all connections and tank-related piping including vapor recovery, vents and supply pipes; Installation of leak detection devices and any monitoring wells; Testing of tanks and piping before and after backfilling; and installation of pumps.

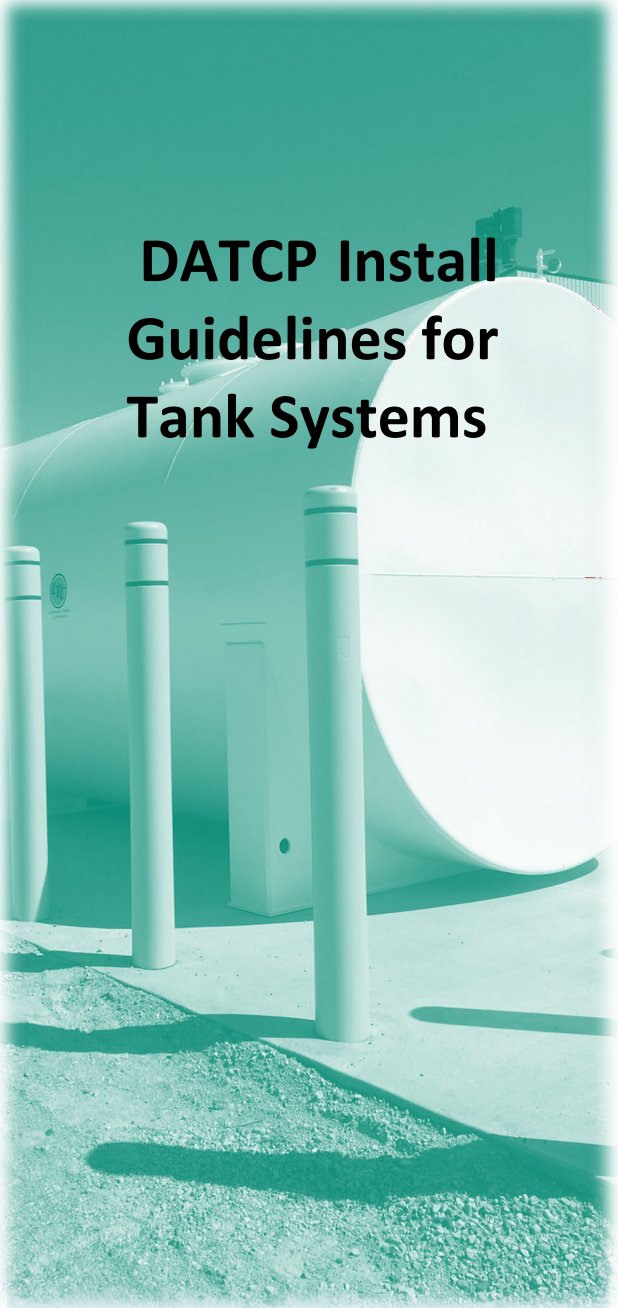
For AST system installations, the certified AST installer shall be present at the job site for at least all of the following activities: Preinstallation tank system testing; Inspection and repair of coatings; Placement of tanks; Installation and testing of all connections and tank-related piping including vapor recovery, vents and supply pipes; Installation of monitoring or leak detection devices; Installation of pump; and installation of any underground piping.

Documentation Checklist (Final Inspection):

The following DATCP forms shall have the contractor and owner portions completed and signed at the final pre-commissioning inspection.

- ☐ TR-WM-130 Pre-Construction Meeting.
- ☐ TR-WM 138 Checklist for Underground Storage Installation.
  - ☐ Or TR-WM-120 Checklist for Aboveground Storage Installation.
- ☐ TR-WM-139 Annual Underground Tank System Functionality Verification.
  - ☐ Or TR-WM-135 STI SP001 Aboveground Storage Annual Inspection.
- ☐ TR-WM-123 Line Leak Detector Functionality Test Report (pressurized Lines).
- ☐ TR-WM-125 Line Precision Tightness Test Report.
- ☐ TR-WM-155 Pre-Operational Tank Tightness Test.
- ☐ TR-WM-130 Point-of-Sale Fueling Installation (if applicable).
- ☐ TR-WM-132 Alternative Fuels Conversion / Installation Application (if applicable).
- ☐ AB Operator Certification for all underground storage tank systems that are required to have a permit to operate from the department.
- ☐ Containment Integrity Test Results on RP1200 Appendix C-4 Form or Equivalent.
- ☐ Drop Tube Calculation Sheets (if applicable).
- ☐ ATG Alarm History, Set Up Report and sensor report.

DATCP Install Guidelines for Tank Systems



This document serves to outline the general process, requirements and expectations in regard to the regulated tank system installation inspection process for the Department of Agriculture, Trade, and Consumer Protection (DATCP).

DATCPInstallClosure@wi.gov

(608) 224-4942, Option 3

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Notification:

The certified installer shall notify the authorized agent or the department.

Installation and closure inspections require at least 5 business days' written notification on department Form TR-WM-121. This form must be complete and accurate. Written notification for installs cannot be accepted prior to receiving plan approval. Inspection schedules involving plan resubmittals and revisions are subject to any revised plan approval and processing timelines.

Any date or time changes to the original submitted notification shall be requested at least one business day prior to the original date or time. The new date or time must be later than the original date or time.

Failure to provide at least one business day notification is subject to additional inspection fees per ATCP 93.1605(3).

Installation Inspections:

The installation progress and completion are recorded on Form TR-WM 138 Checklist for Underground Storage Installation or TR-WM-120 Checklist for Aboveground Storage Installation. Be sure to use the most current form. There may be additional supplemental forms needed depending on the specific application, e.g. TR-WM-130 Point-of-Sale Fueling Installation Notification, etc.

The most current copy of each form can be downloaded from:

https://datcp.wi.gov/Pages/Programs_Services/PetroleumHazStorageTanksForms.aspx

Inspections: There shall be a minimum of 3 inspections performed on Underground Storage Tank or underground piping systems at the following installation points:

1. At a pre-construction meeting. For installations involving underground tanks or piping, the department's pre-construction installation form, TR-WM-131, shall be filled out by the certified installer, and a copy shall be provided to the inspector at the end of the meeting.
2. During the line-pressure tests.
3. At the pre-commissioning start up.

Pre-Construction Meeting (only for UST tanks and/or UST piping):

The pre-construction meeting is typically held on-site where the tank or piping excavation has been started.

1. The tank bedding material type, size and depth will be verified.
2. Tank(s) shall be tested per the manufacturer's installation instructions, e.g. the specific manufacturer prescribed air/soap test. This test must be completed to the manufacturer's written standards. All testing must be verified. Providing documentation of the manufacturer's requirements are the responsibility of the installer.
3. The inspector will remain on site for at least the placement of the first couple of tanks to verify spacing, correct backfill and dead-man placement.

Line-Pressure Test:

Piping can be placed in the trench but shall be uncovered for the test. The inspector will verify:

1. The pipe type (fiberglass/flex) and layout (length, placement-pitch/separation between pipes and conduit/tank bed walls, flex connectors, etc.). All components should appear as detailed on the installation plan review documents.
2. The line-pressure test meets the applicable requirements for the piping type.
3. Sump and containment integrity test. This may be performed either at line-pressure or as part of the final inspection.

Pre-Commissioning Start Up (Final Inspection):

The contractor shall have all work completed and entire system ready for inspection.

This includes:

- Proper tank fill markings.
- All associated fire safety equipment installed.
- Tank monitor and leak detection equipment installed and verified as functional.
- All dispenser safety equipment and labeling is installed.
- Dispensing equipment powered on and functional to collect fuel samples for verification (retail only).

The owner of the storage tank shall have the tank registered with the department within 15 business days of installation completion. This is documented on the following forms:

- TR-WM-137 Underground Flammable/ Combustible Liquid Storage Tank Registration.
- TR-WM-118 Aboveground Flammable/ Combustible Liquid Storage Tank Registration.