



Storage Tank Plan Review Frequently Asked Questions

BUREAU OF WEIGHTS & MEASURES

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RESOURCES

Wis. Admin. Code ATCP 93:
http://docs.legis.wisconsin.gov/code/admin_code/atcp/090/93

Storage Tanks Website:
http://datcp.wi.gov/Consumer/Hazardous_Materials_Storage_Tanks/index.aspx

Form TR-WM-137
<http://datcp.wi.gov/uploads/Consumer/pdf/TR-WM-137.pdf>

Many storage tank systems require plan review and written approval from the department prior to installations and upgrades. [Wisconsin Administrative Code ATCP 93](#) specifies the requirements for plan review and tank installation.

When is plan review and approval required?

- Any construction of new or additional tank or piping installation
- Changing the operation of a tank system from storage of a non-regulated substance to a regulated substance
- Adding or modifying tank or pipe corrosion protection
- Adding leak detection or modifying lead detection as specified in Wis. Admin. Code § [ATCP 93.110\(3\)\(e\)](#) when performed in conjunction with other changes that require plan review. A certified installer is not required to perform the modification of leak detection.
 - The department's leak detection installation form [TR-WM-133](#) must be filled out and submitted anytime leak detection equipment is added or modified, whether or not plan review is required.
- Upgrading or modifying spill or overfill protection
- Lining or relining of underground tanks
- Converting a full-service motor fuel dispensing facility or a self-service motor fuel dispensing facility to the use of a point-of-sale dispensing system or device
 - A certified installer is not required to perform the conversion to a point-of-sale dispensing system. The installer must fill out the department's point-of-sale fueling installation form [TR-WM-130](#) and must provide the form to the authorized agent or the department, for inspection of the system.
- Converting from the storage and dispensing of flammable or combustible liquids containing 10 percent or less ethanol by volume to liquids containing more than 10 percent ethanol by volume
- Converting from the storage and dispensing of flammable or combustible liquids containing 5 percent or less biodiesel by volume to liquids containing more than 5 percent biodiesel fuel by volume
- Using a tank system to store a substance that poses a significant fire hazard to people or the environment due to material compatibility, equipment functionality or product characteristics, as determined by the authorized agent or the department, or fire department
- Adding or modifying any device or system component making an underground connection to a tank, product pipe or vent pipe

When is plan review and approval not required?

- Oil-burning installations for a 1- or 2- family dwelling which are located aboveground or in a basement, and which have a capacity of less than 1,100 gallons
- Integral fuel supply tanks of a motor vehicle, aircraft, watercraft, mobile power plant or mobile heating plant
- Aboveground tanks which have a capacity of less than 1,100 gallons and which store Class IIIB liquids other than used oil
- Reconfiguration of product piping that is located aboveground, from storage tanks supplying a regulated substance to a manufacturing, industrial or blending process
- Tank wagons, tank vehicles, or movable tanks, which are used for vehicle fueling operations under [subchapter VI of Wis. Admin. Code ATCP 93](#)
- Aboveground tank systems that store hazardous liquids which are not flammable or combustible liquids, if the construction is supervised by a qualified engineer
- Portable tanks that are not used as fixed tanks
- Tanks that are located at a US EPA superfund site
- Aboveground tanks which are used at a farm premises or construction project in accordance with Wis. Admin. Code § ATCP 93.630, which meet all of the following conditions:
 - Have a capacity of less than 1,100 gallons
 - Are located at least 40 feet from either the building or structures listed in Wis. Admin. Code § [ATCP 93.630\(2\)\(a\)](#), or important buildings or structures
- Fuel supply tanks which are used for a mobile power plant or mobile heating plant and which meet all of the following requirements:
 - The tank system is built and operated in accordance with a national standard.
 - The tank system is intended to be at the site for a period of 24 months or less.
 - The tank system has an aggregate capacity of less than 1,100 gallons.
 - The tank system does not use any Class I liquids.
- Where the department determines that the review of a specific application, modification or contractor activity would not meet the regulatory oversight objective for technical plan review and approval.

What information must be submitted for plan review?

Plans, specifications, and information submitted for review and approval must contain at least 5 sets of plans and specifications that are clear, legible and permanent copies, along with fees and a completed installation application.

Are there other forms I may need to submit?

- Flammable Liquid Tanks Installation Application [TR-WM-126](#)
- Point-of-Sale Fueling Installation [TR-WM-130](#)
- Alternative Fuels Conversion / Installation Application (ethanol & biodiesel) [TR-WM-132](#)
- Leak Detection Installation, Conversion or Upgrade [TR-WM-133](#)
- Farm & Construction AST Installation Notification [TR-WM-124](#)
 - For aboveground storage tank less than 1,100 gallons at farms and construction sites

Who may submit plans for review and approval?

Anyone can submit plans or installation applications; however, the installation must be under the supervision of a certified installer working for a registered tank specialty firm, or a professional engineer.

Who reviews and approves plans?

Plans may be reviewed and approved by DATCP, a local program operator (LPO), or a Class A city depending on where the facility is located. The only Class A City in Wisconsin is Milwaukee.

When are plans reviewed and approved by DATCP?

Plan review and approval must be obtained from DATCP, or the City of Milwaukee if that is where the facility is located, in all of the following situations:

- Where 1 or more tanks for storage of a regulated substance have an individual capacity of 5,000 gallons or more
- Where the tank system is located in an area where there is no LPO
- Where there is installation of, or an upgrade or addition to, the corrosion protection system, regardless of tank size
- Where there is initial installation of leak detection to a tank system, regardless of tank size
- Where there is an upgrade or addition to the leak detection system, regardless of tank size, including any of the following:
 - A change in manufacturer
 - A change in model number
 - A change in methodology
- Where there is a conversion from the storage and dispensing of flammable or combustible liquids containing 10 percent or less ethanol by volume to liquids containing more than 10 percent ethanol by volume
- Where there is a conversion from the storage and dispensing of flammable or combustible liquids containing 5 percent or less biodiesel fuel by volume to liquids containing more than 5 percent bio-diesel fuel by volume

When are plans reviewed and approved by an LPO?

All of the following types of plans must be submitted to the LPO, when there is an LPO, for review and approval:

- Plans in which all tanks for the storage, handling or use of flammable or combustible liquids have an individual capacity of less than 5000 gallons.
- Plans that consist solely of converting a full- or self-service motor fuel dispensing facility to the use of a point-of-sale dispensing system or device, regardless of tank size.

Note: Conversion to a point-of-sale dispensing system or device does not require a certified installer.

How long will it take for my plans to be reviewed?

DATCP or the LPO must review and make a determination on an application for installation approval and plan review within 15 business days of receiving all of the required information and fees.

Are there other resources available?

The following related fact sheets are available on our [website](#):

- [Moving Aboveground Storage Tanks](#)
- [Storage Tank Registration Fact Sheet](#)
- [Storage Tank Plan Approval & Installation Requirements for Alternative Fuels](#)
- [Underground Tank System Installer Fact Sheet](#)
- [Aboveground Tank System Installer Fact Sheet](#)
- [Tank Specialty Firm Registration Fact Sheet](#)
- [Containment Sump Installation and Upgrade Requirements](#)

Questions? Please contact us at (608)224-4942, option 4 or email datcpweightsandmeasures@wi.gov.