



# CITY OF ABILENE FIRE MARSHAL'S OFFICE



250 Grape St. Abilene, TX 79601 (325) 676-6434 Fax: (325) 676-6673 afdprev@abilenetx.gov

## UNDERGROUND FLAMMABLE AND COMBUSTIBLE MOTOR FUEL-DISPENSING TANK INSTALLATION SUBMITTAL GUIDELINE

### New Installation Plan Submittal

- Allow at least 10 business days to process all submittals and required permits.
- Tanks, piping and other equipment located below grade shall be designed, installed, tested and inspected in accordance with NFPA standards and Texas Commission on Environmental Quality rules and regulations.
- Submit at least 2 site plan drawings. Drawings shall include distances from all applicable buildings, property lines, public ways, and any other fuel tanks. Submittals must meet the requirements set forth in the IFC Chapter 23.
- Submit 1 copy of manufacturer's tank specifications.
- An approved method of secondary containment shall be provided for underground tank and piping systems.
- Submit proof of application to Texas Commission on Environmental Quality for AST permit, if applicable.
- Submit a copy of Contractors Texas Commission on Environmental Quality License, if applicable.
- Submittals will not be accepted by parties that have a credit suspension with the City of Abilene Finance Department.

### Design Criteria

- Tanks shall be anchored by an approved method.
- Backfill shall be free of rocks, clumps, trash or other debris. Pea-gravel shall be used for fiberglass tanks.
- Provide dispensing instruction signage on both sides of each dispenser.
- Provide NO DISPENSING INTO UNAPPROVED CONTAINERS signage on both sides of the dispenser.
- Provide NO SMOKING and STOP ENGINE signage on both sides of the dispensers. Signage shall be of white lettering not less than 2 inches in height on a red background.
- Provide emergency shutdown device and label as EMERGENCY FUEL SHUTDOWN DEVICE in a manner clearly visible from all dispensers. Signage shall be of white lettering not less than 3 inches in height on a red background.
- Mount a type ABC dry chemical fire extinguisher(s) in an accessible location as needed to maintain a maximum travel distance of 75 feet from all dispensers and fill-pipe openings to an extinguisher. Extinguishers shall have a minimum rating of 2-A, 20-B: C.
- Dispensing equipment structure shall be of a noncombustible material. Venting piping must extend beyond the structure as required by code.
- Provide vehicle impact protection. IFC Section 312. Steel, not less than 4" in diameter and

concrete filled. Spacing, not more than 4' between post. Set not less than 3' in depth. Not less than 3' in height. Not less than 3' from protected object.

- Provide a breakaway hose coupling on each filling nozzle.
- All electrical work shall be permitted through Building Inspections (555 Walnut/325 676-6273).

## **Acceptance Testing**

- Each tank shall bear a permanent nameplate or marking indicating the standard used as the basis of design.
- Provide documentation of tank testing and ability to hold a vacuum.
- Contact Fire Prevention at least 24 hours in advance to witness tests and inspect installation.
- Inspection times are normally Monday-Friday from 9:00am to 11:00am and 1:30pm to 3:00pm.
- The Abilene Fire Department does not schedule after hour inspections.
- Fire permit and Fire Department stamped site plan drawings shall be at job site during all work.



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Complete and return to the Abilene Fire Marshal's Office at least ten (10) working days prior to project start date.		
Underground Tank Installing Company :		
Mailing / Billing Address:		
City:	State:	Zip:
Installer's Name:	License Type & #:	
Phone:	Email:	
I understand the Abilene Fire Marshal's Office reviews plans for compliance with the Abilene Fire Code (2021 International Fire Code), NFPA and local policies. I understand all statements made herein are true and accurate to the best of my knowledge. I understand and agree to notify the City of Abilene Fire Marshal's Office of any changes in the written information in this application within five (5) working days from the date such change occurs. I have read and understand the Underground Tank Installation Submittal Guidelines. Furthermore, I agree to pay all permit fees associated with this application.		
Signature:		Date:

Business where tank is to be installed:		
Address where tank is to be installed:		
Type of fuel to be stored: Gasoline ___ Diesel ___ Other _____		
Permit fee: <b>\$50.00</b>	Enclosed:	Invoice:

DO NOT WRITE BELOW THIS LINE			
Date Received:	Submittal Approval:		Yes      No
Plans Examiner:		Date Permit Issued :	