



Kerrville Fire Marshal

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Section 5 Aboveground Storage Tanks Class IIIB Liquids

These guidelines are to be followed when an aboveground storage tank is moved, installed, modified or otherwise installed within the City of Kerrville. This guide is to apply only to the installation, storage and/or use of Class IIIB Combustible Liquids, as defined by the *International Fire Code*, Section 3402.

All aboveground storage tank requirements for the purposes of this guideline and any other guidelines or requirements of the Fire Marshal shall conform to the International Fire Code 2006, as adopted and amended by City of Kerrville and *NFPA 30, Flammable and Combustible Liquids Code*.

This guide does not replace, nor supersede any codes and/or ordinances adopted by the City of Kerrville, or determinations and positions of the Fire Chief or Fire Marshal.

Aboveground Storage Tank Requirements

1. The tank(s) shall be provided with secondary containment.
2. The tank(s) shall meet, or exceed UL 142, and the provisions of *NFPA 30*.
3. Tank(s) shall be constructed of steel. Poly-tanks are not permitted.
4. When the installation location may be subject to vehicular impact, bollards designed per *IFC*, Section 312, or a UL 2085 tank may be required, based upon a review of the hazards and protection provided.
5. The tank must display the UL Listing placard.
6. Normal and emergency venting shall be provided. Emergency venting shall include the calculations to determine the minimum vent sizing in CFH.
7. Approved flame arrestors, when required by API 2028, and venting devices shall be installed in the all vent lines.
8. A spill container having a capacity of not less than 5 gallons shall be provided at each fill connection.
9. Appropriate labeling and signs in accordance with *IFC*, Section 5704.2.3, must be provided.
 - a. "Smoking or Open Flames Prohibited".
 - b. Emergency procedures.
 - c. NFPA 704 or equivalent placard specifically identifying the material therein.
10. All piping and piping systems shall be designed in accordance with *NFPA 31* and *IFC*, Chapter 57.

Submittal Requirements

11. Provide a written description of the operation to which the tank is to be installed.
12. Site plan drawings of the installation location and layout, to include; including.
 - a. All buildings and structures.
 - b. Fire lanes and fire hydrants.
 - c. Location of tanks with regards to the above.
13. A full equipment listing of all tanks, piping, valves, and other equipment.
14. Manufacturer documentation for all parts and materials used in the project.
15. Drawings, to include the above requirements, shall be submitted for review and approval, **PRIOR** to installation.
16. Drawings shall be generated by the installing company specific to the installation, and shall not be copied and marked according to installation. Drawings shall show plan view and other pertinent information.

17. Provide manufacturer's documentation of tank testing and ability to hold a vacuum. This is in addition to any additional testing required by the Fire Marshal.
18. No aboveground storage tank(s) or associated equipment may be installed, located, or otherwise manipulated on the site until an AST Permit is issued for the location.

General Submittal Requirements

19. Each submittal shall have a completed Kerrville Fire Marshal Plan Review/Permit Application.
20. Plans approved by the City of Kerrville Fire Marshal's Office give authorization for construction. Final approvals are subject to field verification. Any approval issued by the Fire Marshal's Office does not release the contractor or property owner from the responsibility of full compliance with all applicable codes, standards and ordinances relating to the construction project.
21. All installations must concur with the approved plans. Any deviation from the approved plans requires a re-submittal to the Fire Marshal's Office.
22. All installations and/or operations must concur with the approved plans. Any deviation from the approved plans requires a re-submittal to the Fire Marshal's Office.
23. All fire marshal inspection forms and permits shall be kept in a permit packet on the job site until final inspection.