

PRESSURE TANK CONSTRUCTION CHECKLIST

The following list is a synopsis of the "Rules for Public Water Systems", 30 TAC Chapter 290 regarding proposed water distribution system improvements. Sealed plans, capacity report and specifications meeting, but not limited, to the minimum requirements cited here shall be prepared under the supervision of a registered professional engineer and submitted to TCEQ for approval. This list is not a substitute for the rules. Failure to submit the following items may delay project approval. Copies of the rules may be obtained from **Texas Register, P.O. Box 13824, Austin, TX, 78711-3824, Phone: 512/463-5561** or downloaded from our website at:

http://www.tceq.state.tx.us/permitting/water_supply/ud/planrev.html

1. Wholly above grade and steel construction with welded seams except for fiberglass [§290.43(d)]
2. 4:1 factor of safety. > 1,000 gallons ASME Section VIII, Division 1 Code; name plate [§290.43(d)(1)]
3. Pressure release device and an easily readable pressure gauge [§290.43(d)(2)]
4. Air-water-volume controls, filter on air injection lines, sight glass [§290.43(d)(3)]
5. Protective paint or coating inside conforms to ANSI/NSF Standard 61 and certified [§290.43(d)(4)]
6. Not used for other than potable water; letter for used tanks [§290.43(d)(5)]
7. Slow closing valves and time delay pump controls [§290.43(d)(6)] of the rules.
8. Valves, pipes and fittings tight against leakage [§290.43(d)(7)]
9. Seamless fiberglass tanks \leq 300 gallons [§290.43(d)(8)]
10. \leq 3 pressure tanks at site [§290.43(d)(9)]
11. Enclosed by an intruder resistant fence with lockable gates; [§290.43(e)]
12. < 50 connections without ground storage, 50 gallons per connection. [§290.45(b)(1)(A)(ii)] (100 connections for apartments or mobile homes)
13. < 50 connections with ground storage, 20 gallons per connection; [§290.45(b)(1)(B)(iv)]
14. Noncommunity transient water systems 10 gallons per unit (min of 220 gal) [§290.45(c)(1)(A)(ii)]
15. Noncommunity non-transient water systems; minimum of 220 gallons [§290.45(d)]