

## TCEQ RULES AND REGULATIONS FOR AUTOMATIC LAWN IRRIGATION SYSTEMS

1. Purchase a permit for the installation of a sprinkler system and the approved backflow device as per TCEQ Title 30 Texas Administrative Code (TAC) Chapter 344.
  
2. Possess full knowledge of local and state requirements related to installation of irrigation systems. Title 30 TAC Section 344.22(a) (c)
  
3. Develop an accurate irrigation design for each new system before beginning the installation. The design must be on site at all times while the system is under construction. Title 30 TAC Section 344.35(7).
  
4. Effective January 1, 2010 a licensed irrigator or a licensed irrigation technician must be on site at all times during installation, repair or service of a system. Title 30 TAC Section 344.35(9).
  
5. Through December 31, 2009 a licensed installer or a licensed irrigation technician may make the water connection and install the backflow device. After December 31, 2009 the installer license will no longer be valid. Title 30 TAC Section 344.30(b) (c)
  
6. Completing the system includes a “final walk through” with the owner of the property or owner’s representative, completing a maintenance checklist, placing a company sticker with name, business address & business phone number on the controller, provide the controller instruction manual, provide a written warranty, and provide an as-built design of the system. Title 30 TAC Section 344.35(12).
  
7. The licensed irrigator must possess a TCEQ approved seal and must display it on all documents requiring an irrigator’s seal. The irrigator must maintain a copy of each document for at least three years. Title 30 TAC Sections 344.40-344.52.
  
8. Backflow devices must be installed according to TCEQ approved methods and in compliance with local plumbing codes. Final inspections to be approved by a TCEQ licensed irrigation inspector or Texas State Board of Plumbing Examiners licensed plumbing inspector. Title 30 TAC Sections 344.50-344.52.
  
9. If a master valve is installed, it must be installed on the discharge side of the backflow device. Title 30 TAC Section 344.62(H).
  
10. The irrigation design for each new installation must include as per Title 30 TAC Section 344.60(a):
  - A. Irrigator’s seal, signature and date of signature.
  - B. All major physical features and boundaries of the irrigated area.
  - C. A North arrow and legend.
  - D. The zone flow measurement for each zone.
  - E. Location of all major components of the system, i.e. controller, valves, sensors, water source, backflow device, main line and lateral piping.
  - F. The scale used and both static and design pressures.
  
11. Matched precipitation rate emission devices must be zoned separately. Title 30 TAC Section 344.62(f).

12. All new systems that use PVC pipe and fittings must be primed with a colored primer before applying cement. Title 30 TAC Section 344.62(I)

13. All new systems must include a rain shutoff device or other TCEQ approved system delay when it rains. Title 30 TAC Section 344.62(j)

14. All new systems must include an isolation valve between the water meter and the backflow device. Title 30 TAC Section 344.62(k)

15. All piping must have at least six inches of cover and ditches brought to grade. Title 30 TAC Section 344.62(L)

16. Vehicles used in the installation, service, or repair of an irrigation system must display the irrigator's state license number on both sides of their vehicles. Title 30 TAC Section 344.70(a)

17. All forms of advertisement-yellow pages, business cards, estimates, contracts, warranties, must include the irrigator's TCEQ license number. Title 30 TAC Section 344.70(b)

18. A written warranty covering materials and labor must be furnished to the property owner or the owner's representative at "final walk through". The warranty must extend a manufacturer's warranty on components if that warranty is longer than the contractor's warranty. Title 30 TAC Sections 344.72(a-b)

19. The irrigator's written warranty on a new system must specify the irrigator's name, business address and business phone number. The warranty must be signed by the property owner or owner's representative, a copy given to owner and one kept by the contractor for at least three years. Title 30 TAC Section 344.70(b)

This information has been provided to inform you of the Texas Commission on Environmental Quality regulations.