

**CHAPTER 2****CROSS CONNECTIONS, AUXILIARY INTAKES, ETC.<sup>1</sup>****SECTION**

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**18-201. Definitions.** The following definitions and terms shall apply in the interpretation and enforcement of this chapter:

(1) "Public water supply." The waterworks system which furnishes water to Lewisburg for general use and which is recognized as the public water system by the Tennessee Department of Environment and Conservation.

(2) "Cross connection." Any physical arrangement whereby the public water system is connected, directly or indirectly, with any other water supply system, sewer, drain, conduit, pool, storage reservoir, plumbing fixture, or other device which contains, or may contain, contaminated water, sewage, or other waste or liquid of unknown or unsafe quality which may be capable of imparting contamination to the public water system as a result of backflow. Bypass arrangements, jumper connections, removable sections, swivel or change-over devices through which, or because of which, backflow could occur are considered to be cross connections.

(3) "Auxiliary intake." Any piping connection or other device whereby water may be secured from a source other than that normally used.

(4) "Bypass." Any system of piping or other arrangement whereby the water may be diverted around any part or portion of a water purification plant.

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<sup>1</sup>Municipal code references

Plumbing code: title 12.

Water and sewer system administration: title 18.

Wastewater treatment: title 18.

(5) "Interconnection." Any system of piping or other arrangement whereby the public water system is connected directly with a sewer, drain, conduit, pool, storage reservoir, or other device which does or may contain sewage or other waste or liquid which would be capable of imparting contamination to the public water system.

(6) "Person." Any individual, corporation, company, association, partnership, state, municipality, utility district, water cooperative, or federal agency.

(7) "Superintendent." That person in charge of the operation of the Lewisburg Water System or the authorized representative of that person. (1985 Code, § 8-301)

**18-202. Standards.** The Lewisburg Public Water System is to comply with Tennessee Code Annotated, §§ 618-121-701 through 618-121-720 as well as the Rules and Regulations for Public Water Systems, legally adopted in accordance with this code, which pertain to cross connections, auxiliary intakes, bypasses, and interconnections, and establish an effective ongoing program to control these undesirable water uses. Installation criteria for backflow prevention devices are to be provided by the superintendent. (1985 Code, § 8-302)

**18-203. Construction, operation, and supervision.** No person shall cause a cross-connection, auxiliary intake, bypass, or interconnection to be made, or allow one to exist for any purpose whatsoever unless the construction and operation of same has been approved by the Tennessee Department of Environment and Conservation, and the operation of such cross-connection, auxiliary intake, bypass or interconnection is at all times under the direct supervision of the superintendent of the Lewisburg Public Water System. (1985 Code, § 8-303)

**18-204. Statement required.** Any person whose premises are supplied with water from the public water system and who also has on the same premises a separate source of water supply, or stores water in an uncovered or unsanitary storage reservoir from which the water stored therein is circulated through a piping system, shall file with the superintendent a statement of the non-existence of unapproved or unauthorized cross connections, auxiliary intakes, bypasses, or interconnections. Such statement shall also contain an agreement that no cross connection, auxiliary intake, bypass, or interconnection will be permitted upon the premises. (1985 Code, § 8-304)

**18-205. Inspections required.** It superintendent shall inspect all properties served by the public water system where cross connections with the public water system are deemed possible. The frequency of inspections and reinspection, based on potential health hazards involved, shall be established

by the superintendent in accordance with guidelines acceptable to Tennessee Department of Environment and Conservation. (1985 Code, § 8-305)

**18-206. Right of entry for inspections.** The superintendent of the waterworks or his authorized representative shall have the right to enter, at any reasonable time, any property served by a connection to the public system or systems therein for the purpose of inspecting the piping system or systems therein for cross connections, auxiliary intakes, bypasses, or interconnections. On request, the owner, lessee, or occupant of any property so served shall furnish to the inspection agency any pertinent information regarding the piping system or systems on such property. The refusal of such information or refusal of access, when requested, shall be deemed evidence of the presence of cross connections. Guard dogs shall be under proper control of the user while the representatives are on the user's property or property rented/leased by the user. Where a user has security measures in force which would require proper identification and clearance before entry into the premises, the user shall make necessary arrangements so that upon presentation of suitable identification, inspecting personnel will be permitted to enter, without delay, for the purpose of performing their specific responsibilities. (1985 Code, § 8-306)

**18-207. Correction of existing violations.** Any person who now has cross connections, auxiliary intakes, bypasses, or interconnections in violation of the provisions of this chapter shall be allowed a reasonable time within which to comply with the provisions of this chapter. After a thorough investigation of existing conditions and an appraisal of the time required to complete the work, the amount of time shall be designated by the superintendent. The failure to correct conditions threatening the safety of the public water system as prohibited by this chapter and the Tennessee Code Annotated, § 618-121-711, within a reasonable time and within the time limits set by the Lewisburg Public Water System, shall be grounds for denial of water service. If proper protection has not been provided after a reasonable time, the superintendent shall give the customer legal notification that water service is to be discontinued and shall physically separate the public water system from the customer's on-site piping system in such a manner that the two systems cannot again be connected by an unauthorized person.

Where cross connections, interconnections, auxiliary intakes, or bypasses are found that constitute an extreme hazard of immediate concern of contaminating the public water system, the superintendent of the water system shall require that immediate corrective action be taken to eliminate the threat to the public water system. Immediate steps shall be taken to disconnect the public water system from the on-site piping system unless the hazard(s) is corrected immediately. (1985 Code, § 8-307)

**18-208. Use of protective devices.** Where the nature of use of the water supplied a premises by the water department is such that it is deemed:

- (1) Impractical to provide an effective air-gap separation.
- (2) That the owner and/or occupant of the premises cannot, or is not willing, to demonstrate to the superintendent or his designated representative, that the water use and protective features of the plumbing are such as to pose no threat to the safety or potability of the water.
- (3) That the nature and mode of operation within a premises are such that frequent alterations are made to the plumbing.
- (4) That there is a likelihood that protective measures may be subverted, altered, or disconnected.

Then the superintendent, or his designated representative, shall require the use of an approved protective device on the service line serving the premises to assure that any contamination that may originate in the customer's premises is contained therein.

The protective device shall be a reduced pressure zone type backflow preventer approved by the Tennessee Department of Environment and Conservation as to manufacture, model, and size. The method of installation of backflow protective devices shall be approved by the superintendent prior to installation and shall comply with the criteria set forth by the Tennessee Department of Environment and Conservation. The installation shall be at the expense of the owner or occupant of the premises.

Personnel of the Lewisburg Public Water System shall have the right to inspect and test the device or devices on an annual basis or whenever deemed necessary by the superintendent or his designated representative. Water service shall not be disrupted to test the device without the knowledge of the occupant of the premises.

Where the use of water is critical to the continuance of normal operations or protection of life, property, or equipment, duplicate units shall be provided to avoid the necessity of discontinuing water service to test or repair the protective device or devices. Where it is found that only one unit has been installed and the continuance of service is critical, the superintendent shall notify, in writing, the occupant of the premises of plans to discontinue water service and arrange for a mutually acceptable time to test or repair the device. The water system shall require the occupant of the premises to make all repairs indicated promptly, and to keep any protective device working properly. The expense of such repairs shall be borne by the owner or occupant of the premises. Repairs shall be made by qualified personnel acceptable to the superintendent. The failure to maintain backflow prevention devices in proper working order shall be grounds for discontinuing water service to a premises. Likewise, the removal, bypassing, or altering a protective device or the installation thereof so as to render the devices ineffective shall constitute grounds for discontinuance of water service. Water service to such premises shall not be restored until the

customer has corrected or eliminated such conditions or defects to the satisfaction of the superintendent. (1985 Code, § 8-308)

**18-209. Unpotable water to be labeled.** The potable water system made available to premises served by the public water system shall be protected from possible contamination as specified herein. Any water outlet which could be used for potable or domestic purposes and which is not supplied by the potable system must be labeled in a conspicuous manner as:

WATER UNSAFE  
FOR DRINKING

Minimum acceptable sign shall have black letters at least one-inch high located on a red background. (1985 Code, § 8-309)

**18-210. Mortuaries.** All mortuaries utilizing the Lewisburg public water supply in the preparation of bodies must have a properly installed reduced pressure backflow preventer for the protection of the public water supply. All water which is used in the preparation room must pass through a reduced pressure backflow preventer. The backflow prevention device used must be of an approved type. (1985 Code, § 8-310)

**18-211. Provision applicable.** Requirements contained herein shall apply to all premises served by the Lewisburg Public Water System regardless of political subdivision boundaries, and are hereby made a part of the conditions required to be met for the Lewisburg Public Water System to provide water service to any premises. Such action, being essential for the protection of the water distribution system against the entrance of contamination which may render the water unsafe healthwise, or otherwise undesirable, shall be enforced rigidly without regard to location of the premises, relative to boundaries of any political subdivision. (1985 Code, § 8-311)

**18-212. Violations.** Any person who neglects or refuses to comply with any of the provisions of this chapter shall be deemed guilty of a misdemeanor and, upon conviction therefore, shall be fined not less than ten dollars (\$10) nor more than fifty dollars (\$50), and each day of continued violation after conviction shall constitute a separate offense.

The superintendent shall also discontinue the public water system to any premises within which there is found to be a cross-connection, auxiliary intake, bypass or inter-connection. Water service shall not be restored until such cross-connection, auxiliary intake, bypass, or inter-connection has been discontinued. (1985 Code, § 8-312)

**18-213. Severability clause.** Should any part(s) of this chapter be declared invalid for any reason, no other part(s), of this chapter shall be affected thereby. (1985 Code, § 8-313)