

Amendment to Chapter 46 of City Ordinances

Chapter 46, Article I, Sections 46-3 and 46-4 of the Peshtigo Municipal Code are hereby created to read as follows:

Chapter 46

UTILITIES*

Article I. In General

- Sec. 46-1. Allocation of Funds.
- Sec. 46-2. Compulsory Connection to City Sewer and Water System.
- Sec. 46-3. Protective Devices
- Sec. 46-4. Cross Connection Control
- Sec. 46-5-46-22 Reserved

ARTICLE I. IN GENERAL

Sec. 46-3. PROTECTIVE DEVICES

- (a) **Protective Devices in General.** The owner or occupant of every premise receiving water supply shall apply and maintain suitable means of protection of the premise supply, and all appliances thereof, against damage arising in any manner from the use of the water supply, variation of water pressure, or any interruption of water supply. Particularly, such owner or occupant must protect water-cooled compressors for refrigeration systems by means of high pressure safety cutout devices. There shall likewise be provided means for the prevention of the transmission of water ram or noise of operation of any valve or appliance through the piping of their own or adjacent premises.
- (b) **Relief Valves.** On all "closed systems" (i.e. systems having a check valve, pressure regulator, or reducing valve, water filter or softener) an effective pressure relief valve shall be installed either in the top tapping or the upper side tapping of the hot water tank, or on the hot water distributing pipe connection at the tank. A properly-sized drain pipe shall be connected to the relief valve for discharge on the floor or into a sink or open drain through an air gap. No stop valve shall be placed between the hot water tank and the relief valve or on the drain pipe.
- (c) **Air Chambers.** An air chamber or approved shock absorber shall be installed at the terminus of each riser, fixture branch, or hydraulic elevator main for the prevention of undue water hammer. The air chamber shall have a diameter not less than that of the pipe it serves and length not less than fifteen (15) diameters of said supply pipe. Where possible, the air chamber should be provided at its base with a valve and drain cock for water drainage and replenishment of air.

(1) Definitions.

The following words, terms and phrases, when used in this article, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

Backflow means the undesirable flow of water or mixtures of water and other liquids, solids, gases or other substances under positive or reduced pressure into the Peshtigo Water Utility (hereinafter "Utility") potable supply of water from any source.

Backflow Preventer means a device or means designed to prevent backflow caused by backpressure or back-siphonage; most commonly categorized as air gap, reduced pressure principle backflow assembly, double check valve assembly, pressure vacuum breaker assembly, back-siphonage backflow vacuum breaker (spill resistant pressure vacuum breaker) assembly, pipe applied atmospheric vacuum breaker, flush tank ballcock, laboratory faucet backflow preventer, backflow preventer for carbonated beverage machine, vacuum breaker wall hydrants, chemical dispensing machine, hose connection vacuum breaker, hose connection backflow preventer, backflow preventer with intermediate atmospheric vent and barometric loop.

Backpressure means an elevation of pressure in the downstream piping system (pump elevation of piping, or steam and/or air pressure) above the utility supply pressure, which would cause or tend a reversal of the normal direction of flow.

Back-Siphonage means the flow of water or other liquids, mixtures or substances into the distribution pipes of the Utility's potable water supply system from any source caused by the sudden reduction of pressure in the Utility's potable water supply system.

Cross Connection means any physical connection or arrangement between two otherwise separate systems, one of which contains potable water from the Utility, and the other containing water from a private source, water of unknown or questionable safety, or steam, gases, or chemicals, whereby there may be a flow from one system to the other, the direction of flow depending on the pressure differential between the two systems.

(2) Cross Connections Prohibited.

- (a) **Prohibition** - No person, firm, or corporation shall establish or permit to be established or maintain or permit to be maintained any cross connection. No interconnection shall be established whereby potable water from a private, auxiliary or emergency water supply, other than the regular public water supply provided by the Utility, may enter the supply or distribution system of the Utility, unless such private, auxiliary, or emergency water supply and the method of connection and use of such supply shall have been approved by the Utility and the State of Wisconsin Department of Natural Resources.
- (b) **Inspections** - It shall be the duty of the Utility to cause inspection to be made of all properties serviced by the Utility where cross connection with the public water system is deemed possible. The frequency of inspections and re-inspections based on potential health hazards involved shall be as established by the Utility and as approved by the Wisconsin Department of Natural Resources. If, in the opinion of the Utility, the Utility is not able to perform the inspection, the property owner must, at their own expense,

have the plumbing inspected for cross connections by a State of Wisconsin Certified Cross Connection Inspector or by a State of Wisconsin licensed plumber. The Utility may charge fees as approved by the State of Wisconsin Public Service Commission for on-premises follow-up visits by Utility personnel for re-inspection due to customer non-compliance and for after-hours inspection or re-inspections.

- (c) **Right of Entry to Inspect** – Upon presentation of credentials, representatives of the Utility shall have the right to request entry at any reasonable time to examine any property served by a connection to the public water system of the Utility for cross connection. If entry is refused, such representatives shall obtain a special inspection warrant under Chapter 66.0119 of the Wisconsin Statutes. Upon request, the owner, lessor, 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.
- (d) **Authority to Discontinue Service** – The Utility is hereby authorized and directed to discontinue water service to any property wherein any connection in violation of this article exists and to take such other precautionary measures deemed necessary to eliminate any damage or contamination of the public water system. Water service shall be discontinued if the means of backflow prevention required by the Utility is not installed, tested, maintained, and repaired in compliance with this article and Wisconsin Administrative Code NR 811, or if it is found that the means of backflow prevention required by this article has been removed or bypassed. Water service shall be discontinued only after reasonable notice and opportunity for hearing under Chapter 68, Wisconsin Statutes, except as provided in Sec. (f) below.
- (e) **Reconnection of Service** – Water service to any property discontinued under the provision of this article shall not be restored until the cross connection has been eliminated or a backflow prevention device approved by the Utility has been installed in compliance with the provisions of this article. The Utility shall charge fees as approved by the State of Wisconsin Public Service Commission for the reconnection of the water service.
- (f) **Emergency Discontinuation of Service** – If it is determined by the Utility that a cross connection or an emergency endangers public health, safety, or welfare and requires immediate action, and a written finding to that effect is filed with the clerk of the City of Peshtigo and delivered to the customer's premises, service may be immediately discontinued. The customer shall have an opportunity for hearing under Chapter 68, Wisconsin Statutes, within ten days of such emergency discontinuance.
- (g) **Owner Responsibility** – The property owner shall be responsible for the elimination of, or protection from all cross connections on their premises. The property owner shall, at his or her expense, have installed, maintained, and tested any and all backflow preventers on his or her premises in compliance with Wisconsin Administrative Code NR 811 and Department of Commerce Chapter 82. The property owner shall have corrected any malfunction, revealed by periodic testing, of any backflow preventer on their premises. The property owner shall inform the Utility of any proposed or modified cross connections and also any existing cross connection that are not protected by an approved backflow prevention device. The property owner shall not install a by-pass around any backflow preventer unless there is a backflow preventer of the same type on the by-pass. Property owners who cannot shut down operation for testing of the

backflow prevention device must supply additional devices necessary to allow testing to take place. In the event the property owner installs plumbing upstream of the backflow preventer, such plumbing must have its own backflow preventer. The property owner is required to follow the protection practices described in the American Water Works Association publication AWWA M14 titled "Recommended Practice for Backflow Prevention and Cross Connection Control", unless the Utility requires or authorizes other means of protecting the public water system. These requirements or authorizations will be at the discretion of the Utility.

- (h) **Additional Protection** – In the case of premises having (a) internal cross connections that cannot be permanently corrected or controlled, or (b) intricate plumbing and piping arrangements where entry to all portions of the premises is not readily accessible for inspection purposes, making it impractical or impossible to ascertain whether or not dangerous cross connections exist, the public water system shall be protected against backflow from the premises by installing an approved backflow preventer in the service line. In the case of any premises where there is any material dangerous to health that is handled in such a manner that, in the opinion of the Utility, could create an actual or potential hazard to the public water system, the public water system shall be protected by an approved air-gap separation or an approved reduced pressure principle backflow preventer. Examples of premises where these conditions will exist include sewage treatment plants, hospitals, plating plants, and car wash establishments. In the case of any premises where, in the opinion of the Utility, an undue health threat is posed because of the presence of toxic substances, the Utility may require an approved air gap at the service connection to protect the public water system. This requirement will be at the discretion of the Utility.

(3) Wisconsin Administrative Code NR 811 Adopted

The Wisconsin Administrative Code NR 811 is hereby adopted by reference. This section does not supersede the state of Wisconsin Department of Natural Resources Administrative Code NR 811, but is supplementary to it.

(4) Plumbing Code Adopted

The Wisconsin Uniform Plumbing Code Commerce Chapters 82-84 of the Wisconsin Administrative Code is hereby adopted by reference. This section does not supersede the Wisconsin Uniform Plumbing Code or the City of Peshtigo Plumbing Code, but is supplementary to it.

Adopted this 7 day of January, 2014

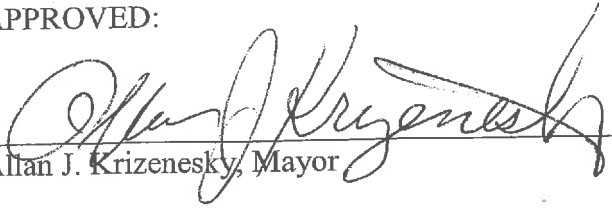
OFFERED BY:


Alderman

SECONDED BY:



Alderman

APPROVED:



Allan J. Krizenesky, Mayor

I hereby certify that the foregoing ordinance was duly adopted by the City of Peshtigo at a legal meeting on this
7th day of January, 2014



Mary Ann Wills
City Clerk-Treasurer