

## Chapter 8

### PLUMBING REGULATIONS

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#### 8.01 DEFINITIONS.

"Plumbing" for the purpose of this Chapter means and includes:

(a) The meanings as set forth in sub-sections 145.01(1)(a)(c)(d) and (e) of the Wisconsin Statutes.

(b) The construction, connection to or alteration of any drain, soil or waste pipe to carry domestic sewage, storm water or industrial waste from a point 3 feet outside of the foundation walls of any building to the sewer lateral at the curb or other disposal terminal including the private sewage disposal or treatment plant. This definition does not include minor repairs to faucets and the removal of stoppages in soil or waste pipes.

#### 8.02 WISCONSIN STATE PLUMBING CODE.

The provisions of the Wisconsin State Plumbing Code as set forth in Chapter SPS 381-387 of the Wisconsin Administrative Code, are hereby made a part of this Chapter by reference, and shall govern the design, constructions, installation, supervision and inspection of plumbing.

#### 8.03 PERMITS.

(a) Required. No plumbing or water pumps shall be installed in the Village without a permit. Each application must be approved by the Building Inspector before a permit may be issued. A permit must also be received before excavating in any street, alley or other public way to repair, alter or install plumbing.

(b) Permit Fees. The permit fees to be paid shall be as set forth in Chapter 9 of these Ordinances.

#### 8.04 BOND REQUIRED.

Before a permit may be issued for plumbing excavation in any street, the person applying for such permit shall execute unto the Village of Paddock Lake and deposit with the Village Clerk/Treasurer a corporate surety to be approved by the Village Board in the sum of \$1,000 conditioned that he will faithfully perform all work with due care and skill, and in accordance with this Code. The bond shall state that the person will indemnify and save harmless the Village of Paddock Lake and the owner of

the premises against all damages, costs, expenses, outlays and claims of every nature and kind arising out of unskillfulness or negligence on his part in connection with plumbing or excavating for plumbing as prescribed in this Chapter. Such bond shall remain in force and must be executed for a period of one year except that on such expiration it shall remain in force as to all penalties, claims and demands that may have accrued thereunder prior to such expiration.

#### 8.05 WATER PIPES AND WATER PUMPS.

(a) Pipe Materials. All water pipes laid underground shall be of type K copper tubing, iron water main pipe, or other approved materials, provided that in any event, the requirements of this section shall at least meet the minimum requirements set forth in Chapter SPS 381 - 387 of the Wis. Admin. Code.

(b) Pump Installations. All water pumps shall be installed in compliance with the Wisconsin Well Construction and Pump Installation Code, Chapter NR112 of Wisconsin Administrative Code, which Chapter is hereby made part of this Code by reference.

#### 8.06 CHLORIDE SOURCE REDUCTION PROGRAM.

(a) Authority. The Village is authorized to develop and enforce specific standards requirements to regulate the discharge of chloride from residential, commercial and industrial sources pursuant to Section NR 106.92, Wis. Admin. Code.

(b) Purpose and Findings.

(1) Purpose. The purpose of this ordinance is to protect the health, safety and welfare for the Paddock Lake Sewer Utility District ("District") and the State of Wisconsin waterways through the regulation of the discharge of sodium, potassium and chloride products into the District's sanitary sewer system, to impose regulations regarding compliance with rules and terms of Chapter 283, Wis. Stats. and Wisconsin Department of Natural Resources Administrative Codes and Wisconsin Pollutant Discharge Elimination System Permit.

(2) Findings. The District's sanitary sewer treatment plant discharge permit issued by the Wisconsin Department of Natural Resources requires the District to implement a pollution preventative

work plan to reduce chloride from entering the District's wastewater treatment systems. The results of a chloride reduction study indicate that up to sixty-two (62%) percent of chloride entering the District's sanitary sewer system is from ion-exchange water softener systems. To reduce chloride from entering the District's sanitary sewer collection system, the District is regulating the use of self-regenerating water softeners and sodium, potassium and chloride-based products by residential, commercial and industrial sanitary sewer users through this ordinance.

(c) Source Reduction.

(1) Water softeners. All residential, commercial and industrial sanitary sewer users installing new or replacement ion-exchange water softeners used primarily for water hardness reduction that, during regeneration, discharge a brine solution shall install a demand-initiated regeneration type softener equipped with a water meter or a sensor, and having a hardness exchange rating of at least four thousand (4,000) grains of hardness exchange per pound of salt. At the time of installation, all new or replacement softeners shall be optimized for salt usage in accordance with subsection 8.06(b)(2) which shall include adjustment of settings to achieve the minimum hardness exchange rating of four thousand (4,000) grains of hardness exchange per pound of salt.

(2) Softener salt optimization. All ion-exchange water softeners used primarily for water hardness reduction that during regeneration discharge a brine solution shall be optimized for salt usage in accordance with performance standards approved and published by the Village Board. Once optimized, each softener shall be maintained at optimized settings. The Village control authority may order additional optimization adjustments to meet chloride source reduction program requirements.

(3) Significant sources. All significant chloride sources such as commercial, industrial and other high-volume water users as designated by the Village Board shall evaluate their water treatment systems with regard to softened water requirements and where feasible, upgrade current

water softeners by adding a brine reclamation system. This requirement shall also apply to new significant sources.

(d) Regulations.

(1) No person shall install or in any manner assist in the installation of a residential or non-residential self-regenerating water softening device that discharges sodium, chloride or potassium into the District's sanitary sewer collection system.

(2) New water softening treatment devices installed for all sanitary sewer system users or structures shall be of a type and style as selected by the user at their expense, provided however that any such appliance or devices must comply with the terms and conditions of this ordinance. Use of non-brine discharge water softening devices such as membrane or carbon systems are not prohibited or regulated by the District or this ordinance.

(e) Water Softener Plumbing Permits.

(1) A water treatment device installer shall obtain a plumbing permit from the Village Plumbing Inspector to install new water treatment devices.

(2) Water treatment device: inspection required. The installation of any water treatment device shall require an inspection. Such inspection is required to ensure that the installation and water treatment device complies with Wisconsin plumbing codes and subsection 8.06(b)(2).

(f) Enforcement. The District's Sanitary Sewer System Operator and the Village Plumbing Inspector shall administer, implement and enforce the provisions of this ordinance. Any powers granted to or duties imposed upon the District's Sanitary Sewer System Operator and the Plumbing Inspector may be delegated to persons acting in the beneficial interest of the District.

(g) Penalties.

(1) Violation penalties. Any person who shall violate a provision of this ordinance shall, upon conviction, be subject to a forfeiture of not more than Fifty (\$50.00) Dollars and in addition shall

pay the costs and expenses of prosecution. Each day such violation continues shall be considered a separate offense.