

## Chapter 23

### COMBINED WATERWORKS AND SEWERAGE DEPARTMENT

#### Article 1. DEFINITIONS

Unless the context specifically indicates otherwise, the meaning of terms used in this ordinance shall be as follows:

##### **Sec. 1. FEDERAL GOVERNMENT**

- a. "Federal Act" means the Federal Water Pollution Control Act (33 U.S.C. 1251 et seq) as amended by the Federal Water Pollution Control Act of Amendments of 1972 (Pub. L. 92-500) and (Pub. L. 93-243).
- b. "Administrator" means the Administrator of the U.S. Environmental Protection Agency.
- c. "Federal Grant" shall mean the U.S. government participation in the financing of the construction of treatment works as provided for by Title II-Grants for Construction of Treatment Works of the Act and implementing regulations.

##### **Sec. 2. STATE GOVERNMENT**

- a. "State Act" means the Illinois Anti-Pollution Bond Act of 1970.
- b. "Director" means the Director of the Illinois Environmental Protection Agency.
- c. "State Grant" shall mean the State of Illinois participation in the financing of the construction of treatment works as provided for by the Illinois Anti-Pollution Bond Act and for making such grants as filed with the Secretary of State of the State of Illinois.

##### **Sec. 3. LOCAL GOVERNMENT**

- a. "Ordinance" means this ordinance.
- b. "Village Board" means the Board of Trustees of the Village of Gridley.
- c. "Village" shall mean the Village of Gridley, McLean County, Illinois.
- d. "Superintendent" shall mean the superintendent of the Combined Waterworks and Sewerage Departments of the Village of Gridley, or his authorized deputy, agent, or representative.

##### **Sec. 4. GENERAL**

- a. "Person" shall mean any and all persons, natural or artificial, including any individual, firm, company, municipal, or private corporation, association, society, institution, enterprise, governmental agency or other entity.

- b. "NPDES Permit" means any permit or equivalent document or requirements issued by the Administrator, or, where appropriated by the Director, after enactment of the Federal Water Pollution Control Amendments of 1972, to regulate the discharge of pollutants pursuant to section 402 of the Federal Act.
- c. Clarification of word usage: "Shall" is mandatory; "may" is permissible.

**Sec. 5. WASTEWATER AND ITS CHARACTERISTICS**

- a. "Wastewater" shall mean the spent water of a community. From this standpoint of course, it may be a combination of the liquid and water-carried wastes from residences, commercial buildings, industrial plants, and institutions, together with any groundwater, surface water, and storm water that may be present.
- b. "Sewage" is used interchangeably with "wastewater."
- c. "Effluent Criteria" are defined in any applicable "NPDES Permit."
- d. "Water Quality Standards" are defined in the Water Pollution Regulations of Illinois.
- e. "Unpolluted Water" is water of quality equal to or better than the effluent criteria in effect or water that would not cause violation of receiving water quality standards and would not be benefited by discharge to the sanitary sewers and wastewater treatment facilities provided.
- f. "ppm" shall mean parts per million by weight.
- g. "Milligrams per Liter" shall mean a unit of the concentration of water or wastewater constituent. It is 0.001 g of the constituent in 1,000 ml of water. It has replaced the unit formerly used commonly, parts per million, to which it is approximately equivalent, in reporting the results of water and wastewater analysis.
- h. "Suspended Solids" shall mean solids that either float on the surface of, or are in suspension in water, sewage, or industrial waste, and which are removable by a laboratory filtration device. Quantitative determination of suspended solids shall be made in accordance with procedures set forth in "Standard Methods."
- i. "BOD" (denoting Biochemical Oxygen Demand) shall mean the quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedure of five (5) days at 20o C, expressed in milligrams per liter.
- j. "pH" shall mean the logarithm (base 10) of the reciprocal of the hydrogen-ion concentration expressed by one of the procedures outlined in "Standard Methods."

- k. "Standard Methods" shall mean the examination and analytical procedures set forth in the most recent edition of "Standard Methods for the Examination of Water and Wastewater" published jointly by the American Public Health Association, the American Water Works Association and the Water Pollution Control Federation.
- l. "Garbage" shall mean solid wastes from the domestic and commercial preparation, cooking, and dispensing of food, and from the handling, storage and sale of produce.
- m. "Properly Shredded Garbage" shall mean the wastes from the preparation, cooking, and dispensing of food that have been shredded to such a degree that all particles will be carried freely under the flow conditions normally prevailing in public sewers, with no particle greater than one-half (1/2) inch (1.27 centimeters) in any dimension.
- n. "Floatable Oil" is oil, fat, or grease in a physical state such that it will separate by gravity from wastewater by treatment in an approved pretreatment facility. A wastewater shall be considered free of floatable fat if it is properly pretreated and the wastewater does not interfere with the collection system.
- o. "Population Equivalent" is a term used to evaluate the impact of industrial or other waste on a treatment works or stream. One population equivalent is 100 gallons of sewage per day, containing 0.17 pounds of BOD and 0.20 pounds of suspended solids.
- p. "Slug" shall mean any discharge of water, sewage or industrial waste which in concentration of any given constituent or in quantity of flow exceeds for any period of duration longer than fifteen (15) minutes more than five (5) times the average twenty-four (24) hour concentration or flows during normal operation.
- q. "Industrial Waste" shall mean any solid, liquid or gaseous substance discharged, permitted to flow or escaping from any industrial, manufacturing, commercial or business establishment or process or from the development, recovery or processing of any natural resource as distinct from sanitary sewage.
- r. "Major Contributing Industry" shall mean an industrial user of the publicly owned treatment works that: (a) has a flow of 50,000 gallons or more per average work day; or (b) has a flow greater than ten percent of the flow carried by the municipal system receiving the waste; or (c) has in its waste, a toxic pollutant in toxic amount as defined in standards issued under section 307(a) of the Federal Act; or (d) is found by the permit issuance authority, in connection with the issuance of the NPDES permit to the publicly owned treatment works receiving the waste, to have significant impact, either singly or in combination with other contributing industries, on that treatment works or upon the quality of effluent from that treatment works.

## **Sec. 6. SEWER TYPES AND APPURTENANCES**

- a. "Sewer" shall mean a pipe or conduit for conveying sewage or any other waste liquids, including storm, surface and groundwater drainage.
- b. "Public Sewer" shall mean a sewer provided by or subject to the jurisdiction of the Village. It shall also include sewers within or outside the Village boundaries that serve one or more persons and ultimately discharge into the Village sanitary (or combined sewer system), even though those sewers may not have been constructed with Village funds.
- c. "Sanitary Sewer" shall mean a sewer than conveys sewage or industrial wastes or a combination of both, and into which storm, surface, and groundwaters or unpolluted industrial wastes are not intentionally admitted.
- d. "Storm Sewer" shall mean a sewer than carries storm, surface and groundwater drainage but excludes sewage and industrial wastes other than unpolluted cooling water.
- e. "Combined Sewer" shall mean a sewer which is designed and intended to receive wastewater, storm, surface and groundwater drainage.
- f. "Building Sewer" shall mean the extension from the building drain to the public sewer or other place of disposal.
- g. "Building Drain" shall mean that part of the lowest piping of a drainage system which receives the discharge from soil, waste, and other drainage pipes inside the walls of the building and conveys it to the building sewer or other approved point of discharge, beginning five (5) feet (1.5 meters) outside the inner face of the building wall.
- h. "Stormwater Runoff" shall mean that portion of the precipitation that is drained into the sewers.
- i. "Saddle" shall mean a sewer connection device designed for use when tapping an existing main.
- j. "Control Manhole" shall mean a structure located on a site from which industrial wastes are discharged. Where feasible, the manhole shall have an interior drop. The purpose of a "control manhole" is to provide access for the Village representative to sample and/or measure discharges.
- k. "Sewerage" shall mean the system of sewers and appurtenances for the collection, transportation and pumping of sewage.

1. "Easement" shall mean an acquired legal right for the specific use of land owned by others.

**Sec. 7. TREATMENT**

- a. "Pretreatment" shall mean the treatment of wastewaters from sources before introduction into the wastewater treatment works.
- b. "Wastewater Treatment Works" shall mean an arrangement of devices and structures for treating wastewater, industrial wastes, and sludge. Sometimes used as synonymous with "waste treatment plant" or "wastewater treatment plant" or "pollution control plant."
- c. "Wastewater Facilities" shall mean the structures, equipment, and processes required to collect, carry away, and treatment domestic and industrial wastes and transport effluent to a watercourse.

**Sec. 8. WATERCOURSE AND CONNECTIONS**

- a. "Watercourse" shall mean a channel in which a flow of water occurs, either continuously or intermittently.
- b. "Natural Outlet" shall mean any outlet into a watercourse, pond, ditch, lake, or other body of surface or groundwater.

**Sec. 9. USER TYPES**

- a. "User Class" shall mean the type of user either "residential or commercial" (non-industrial) or "industrial" as defined herein.
- b. "Residential or Commercial" or "Non-industrial" user shall mean any user of the treatment works not classified as an industrial user or excluded as an industrial user as provided for in this section.
- c. "Industrial User" shall mean any nongovernmental user of publicly owned treatment works identified in the Standard Industrial Classification Manual, 1972, Office of Management and Budget, as amended and supplemented, under the following divisions:
  - (1) Division A--Agriculture, Forestry, and Fishing
  - (2) Division B--Mining
  - (3) Division D--Manufacturing
  - (4) Division E--Transportation, Communications, Electric, Gas and Sanitary Services
  - (5) Division I--Services

A user in the Divisions listed may be excluded if it is determined that it will introduce primarily segregated domestic wastes or wastes from sanitary conveniences.

**Sec. 10. WATER MAINS AND APPURTENANCES**

- a. "Water Main" shall mean a pipe or conduit for carrying water.
- b. "Public Water Main" shall mean a water main in which all owners of abutting properties have equal rights, and is controlled by public authority.
- c. "Water Service Pipe" shall mean the pipe extending from a building to water main.

**Article 2. GENERAL PROVISIONS**

**Sec. 1. WATERWORKS AND SEWERAGE DEPARTMENT**

The combined waterworks and sewerage system in the Village of Gridley, Illinois, shall be maintained and operated as a separate department and hereafter in this ordinance shall be referred to as the Department.

**Sec. 2. DUTIES OF SUPERINTENDENT**

There shall be a Superintendent of the Waterworks and Sewerage Department to be appointed by the Village Board. The appointed Superintendent shall have supervision over all buildings, sewers, manholes, mains, treatment works, wells, appurtenances, and equipment used in the furnishing of waterworks and sewerage service in the Village and shall see that the object and purposes of the Waterworks and Sewerage Department are carried out and that the waterworks and sewerage system is conducted on an economical businesslike basis, and for this purpose, it shall be the duty of the Superintendent and all of the officers, employees and servants of said Department to enforce all of the provisions of this ordinance and to observe and obey and carry out the orders and directions of the Village Board. The Superintendent shall prepare and keep at the Village Hall a complete atlas of the waterworks and sewerage system with all connections and other appurtenances distinctly recorded therein.

**Sec. 3. COMPENSATION**

The Superintendent and other officers and employees of the waterworks and Sewerage Department shall receive as compensation for their services amounts to be fixed by the Village Board from time to time.

**Sec. 4. MONTHLY REPORT**

The Superintendent shall, not later than the first Monday of every month or oftener if required, submit a report in writing to the Village Board, listing therein, but is not limited to, the following data:

- 1. Applications for service to be approved by the Village Board.
- 2. Number of metered and unmetered customers connected to the system at the beginning and the end of period.

3. Sale of water at plant (automatic salesman).
4. Details of any major repairs and extensions to the system or other facts pertinent to his duties in the conduct of his office.

**Sec. 5. BOOKS OF ACCOUNT**

The Village Treasurer shall keep or cause to be kept full and complete books of accounts separate and apart from any other records of his office showing in detail all monies received by him for the Waterworks and Sewerage Department with dates and sources. He shall also keep such other books relating to the Waterworks and Sewerage Department as the Village Board may from time to time direct.

**Sec. 6. READ METERS, BILL FOR SERVICES, ETC.**

The Superintendent or such officer or employees of the Waterworks and Sewerage Department as the Village Board shall direct, shall read water meters of said Village, take water and sewer applications, and shall perform such other duties as now are or may hereafter be imposed upon him by law or the ordinances of the Village.

**Sec. 7. APPLICATIONS, CONNECTIONS, ETC.**

(a) Any person desiring to make any connection with said waterworks and sewerage system or plant or have the use thereof shall first make application to the Superintendent upon a blank form or forms furnished by said Department. Said application shall contain an agreement on the part of the applicant that all the rules, regulations, conditions and provisions of any ordinance relating to the waterworks and sewerage system will be complied with; that all water and sewerage rates, assessments and rents and all fines and penalties assessed, charged or imposed against said applicant upon the property described in said application will be paid. When the applicant hereunder has complied with all of the provisions of the ordinances of the Village, and the Superintendent has approved the application, a written permit shall then be issued by the Superintendent authorizing the connection to be made and specifying the size thereof.

(b) No building sewer shall be laid or used to serve more than one distinct premise or building.

(c) No building water service shall be laid or used to serve more than one distinct premise or building.

**Article 3. USE OF PUBLIC SEWERS REQUIRED**

**Sec. 1.**

It shall be unlawful for any person to place, deposit, or permit to be deposited in any unsanitary manner on public or private property within the Village of Gridley or in any area under the jurisdiction of said Village, any human or animal excrement, garbage or other objectionable waste.

**Sec. 2.**

It shall be unlawful to discharge to any natural outlet within the Village of Gridley, or in any area under the jurisdiction of said Village, any sewage or other polluted waters, except where suitable treatment has been provided in accordance with subsequent provisions of this ordinance.

**Sec. 3.**

Except as hereinafter provided, it shall be unlawful to construct or maintain any privy, privy vault, septic tank, cesspool, or other facility intended or used for the disposal of sewage and shall upon 90 days notice to the owner of said premises, be abated.

**Sec. 4.**

The Owner of all houses, buildings, or properties used for human occupancy, employment, recreation, or other purposes situated within the Village and abutting on any street, alley, or right-of-way in which there is now located or may in the future be located any public sanitary sewer of the Village, is hereby required at his expense to install suitable toilet facilities therein, and to connect such facilities directly with the public sewer in accordance with the provisions of this ordinance.

**Sec. 5.**

The discharge from plumbing fixtures or commercial or industrial liquid wastes shall be connected to the public sanitary sewer of the Village and shall specifically include basement floor drains.

**Sec. 6.**

Accessibility to the public sewers of the Village is hereby declared to be properties abutting on any street, alley or right-of-way in which there is located a public sewer main, provided, that such public sewer main is within 250 feet of the property line or building or establishment and provided, further, that is feasible that a sewer connection can be constructed.

**Article 4. PRIVATE SEWAGE DISPOSAL**

**Sec. 1.**

Where a public sanitary (or combined) sewer is not available under the provisions of Article 3, Section 6, the building sewer shall be connected to a private sewage disposal system complying with the provisions of this Article 4.

**Sec. 2.**

Before commencement of construction of a private sewage disposal system, the Owner shall first obtain a written permit signed by the McLean County Health Department. The application for such permit shall provide any plans, specifications, and other information as are deemed necessary by the McLean County Health Officer. The required permit and inspection fee shall be paid to the McLean County Health Department at the time the application is filed.



**Sec. 3.**

A permit for a private sewage disposal system shall not become effective until the installation is completed to the satisfaction of the McLean County Health Officer. He shall be allowed to inspect the work at any stage of construction and, in any event, the applicant for the permit shall notify the McLean County Health Officer when the work is ready for final inspection, and before any underground portions are covered. The inspection shall be made within 48 hours of the receipt of written notice by the McLean County Health Officer.

**Sec. 4.**

The type, capacities, location, and layout of a private sewage disposal system shall comply with all recommendations of the State of Illinois Private Sewage Disposal Licensing Act and Code and with the State of Illinois Environmental Protection Agency. No septic tank or cesspool shall be permitted to discharge to any natural outlet.

**Sec. 5.**

At such time as a public sewer becomes available to a property served by a private sewage disposal system, as provided in Article 3, Section 6, a direct connection shall be made to the public sewer in compliance with this ordinance, and any septic tanks, cesspools, and similar private sewage disposal facilities shall be abandoned and filled with suitable material.

**Sec. 6.**

The owner shall operate and maintain the private sewage disposal facility in a sanitary manner at all times, and at no expense to the Village.

**Sec. 7.**

No statement contained in this Article shall be construed to interfere with any additional requirements that may be imposed by the McLean County Health Officer.

**Sec. 8.**

When a public sewer becomes available, the building sewer shall be connected to said sewer within 90 days and the private sewage disposal system shall be cleaned of sludge and filled with clean bank-run gravel or dirt.

**Article 5. BUILDING SEWERS AND CONNECTIONS**

**Sec. 1.**

No unauthorized person shall uncover, make any connections with, or opening into; use; alter; or disturb any public sewer or appurtenance thereof without first obtaining a written permit from the Village Clerk.

**Sec. 2. Permits Required**

a. All non-resident contractors, prior to working on any facet of any hook up for any person including but not limited to digging, furnishing tile, actual hook up to the sewer

pipe, and any other phase of the work shall, prior to commencing any work for any person in the Village of Gridley register with the Village Clerk.

b. Said registration shall contain the contractor's true name and address, his business address, his business name, whether or not he is incorporated, a partnership, or an individual proprietorship. Furthermore, if the contractor uses an assumed name, the correct names and addresses of the real owners of the business.

c. In addition to registering with the Village Clerk, any contractor desiring to do work for residents in the Village of Gridley in connection with hooking up to said sewer, shall, before commencing any of said work, furnish to and file with the Village Clerk of the Village of Gridley a certificate signed by a reputable insurance company authorized to do business in the State of Illinois showing that they have liability insurance currently in force in limits not less than \$100,000.00 property damage liability and \$300,000.00 bodily injury liability, together with a license or permit bond in the sum of \$3,000.00 guaranteeing that the contractor will not violate any ordinances of the Village of Gridley.

d. Each contractor shall pay a registration fee to the Village of Gridley in the sum of \$25.00.

e. Any contractor who does work without registering and furnishing the certificate of insurance and bond with the Village Clerk shall be guilty of an ordinance violation and shall pay a fine of \$25.00 to the Village of Gridley. Each day worked shall be deemed a separate offense.

f. This ordinance shall not apply to contractors who are actual bonafide residents of the Village of Gridley.

### **Sec. 3.**

A building sewer permit will only be issued, and a sewer connection shall only be allowed if it can be demonstrated that the downstream sewerage facilities, including sewers, pump stations and wastewater treatment facilities, have sufficient reserve capacity to adequately and efficiently handle the additional anticipated waste load.

### **Sec. 4.**

All costs and expenses incident to the installation and connection of the building sewer shall be borne by the owner. The owner shall indemnify the village from any loss or damage that may directly or indirectly be occasioned by the installation of the building sewer.

### **Sec. 5.**

A separate and independent building sewer shall be provided for every building, except that where one building stands at the rear of another on an interior lot and no private sewer is available or can be constructed to the rear building through an adjoining alley, courtyard or driveway, the building sewer from the front building may be extended to the rear building and the whole considered as one building sewer.

**Sec. 6.**

Old building sewers may be used in connection with new buildings only when they are found, on examination and test by the Superintendent to meet all requirements of this ordinance.

**Sec. 7.**

The building sewer shall be constructed of one of the following:

Cast Iron Soil Pipe ASTM A74 with rubber or neoprene joints  
Vitrified Clay Pipe ASTM C-700 with C-425 flexible gasket joints  
Polyvinyl Chloride (PVC) Pipe ASTM D3034 type PSM with standard dimension ratio of 35 with solvent welded joints ASTM D2855 or flexible elastomeric seals ASTM D3212

If more than one type of sewer pipe is used, it shall be connected by tight and waterproof adapters especially designed for such joining and approved by the superintendent. All joints shall be water tight. Size and slope of the building sewer shall be subject to the approval of the superintendent but in no event shall the diameter be less than 6" and slope less than 1/8" per foot.

**Sec. 8.**

Whenever possible, the building sewer shall be brought to the building at an elevation below the basement floor. In all buildings in which any building drain is too low to permit gravity flow to the public sewer, sanitary sewage carried by such building drain shall be lifted by a means which is approved in accordance with Article 5, Section 2, and discharged to the building sewer.

**Sec. 9.**

All excavations required for the installation of the building sewer shall be open trench work unless otherwise approved by the Superintendent. Pipe laying and backfill shall be performed in accordance with ASTM C12-19 except that no backfill shall be placed until the work has been inspected. All excavations for building sewer installation shall be adequately guarded with barricades and lights so as to protect the public from hazard. Streets, sidewalks, parkways and other public property disturbed in the course of the work shall be restored in the manner satisfactory to the Superintendent.

**Sec. 10.**

The connection of the building sewer into the public sewer shall be made at the "Y" or "T" branch, if such branch is available at a suitable location. If no properly located "Y" or "T" branch is available, the owner shall at his expense install a "Y" or "T" branch in the public sewer at the location specified by the Superintendent. Special fittings may be used for the connection only when approved by the Superintendent. The applicant for the building sewer permit shall notify the Superintendent when the building sewer is ready

for inspection and connection to the public sewer. The connection shall be made under the supervision of the Superintendent or his representative.

**Sec. 11.**

During the time of excavation and as long as an excavated area remains open so as to act as a catch basin, any sewer tile or drainage outlet designed to service the excavated area shall at all times be either capped or furnished with a sufficient standpipe so as to eliminate the possibility of any rain or surface water collecting or draining into the excavated area and hence into the outlets and accordingly into the sewer system of the Village.

**Sec. 12.**

No person(s) shall make connection of roof downspouts, exterior foundation drains, areaway drains, or other sources of surface runoff or groundwater to a building sewer or building drain which in turn is connected directly or indirectly to a public sanitary sewer.

**Article 6. USE OF THE PUBLIC SEWERS**

**Sec. 1.**

No person shall discharge, or cause to be discharged, any stormwater, surface water, groundwater roof runoff, subsurface drainage, uncontaminated cooling water, or unpolluted industrial process waters to any sanitary sewer. All disposal by any person into the sewer system is unlawful except those discharges in compliance with Federal Standards promulgated pursuant to the Federal Act and more stringent State and Local Standards.

**Sec. 2.**

Stormwater and all other unpolluted drainage shall be discharged to such sewer as are specifically designated as combined sewers or storm sewers, or to a natural outlet approved by the Village Board. Industrial cooling water or unpolluted process waters may be discharged on approval of the Village Board, to a storm sewer, combined sewer, or natural outlet.

**Sec. 3.**

No person shall discharge or cause to be discharged any of the following described waters or wastes to any public sewers:

- (a) Any gasoline, benzene, naphtha, fuel oil, or other flammable or explosive liquid, solid, or gas.
- (b) Any waters or wastes containing toxic or poisonous solids, liquids, or gases in sufficient quantity, either singly or by interaction with other wastes, to injure or interfere with any sewage treatment process, constitute a hazard to humans or animals, create a public nuisance, or create any hazard in the receiving waters of the sewage treatment plant.

- (c) Any waters or wastes having a pH lower than 5.5 or having any other corrosive property capable of causing damage or hazard to structures, equipment, and personnel of the sewage works.
- (d) Solid or viscous substances in quantities or of such size capable of causing obstruction to the flow in sewers, or other interference with the proper operation of the sewage works such as, but not limited to, ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, underground garbage, whole blood, paunch manure, hair and fleshings, entrails and paper dishes, cups, milk containers, etc., either whole or ground by garbage grinders.

**Sec. 4.**

No person shall discharge or cause to be discharged the following described substances, materials, waters, or wastes if it appears likely in the opinion of the superintendent that such wastes can harm either the sewers, sewage treatment process or equipment; have an adverse effect on the receiving stream; or can otherwise endanger life, limb, public property or constitute a nuisance. In forming an opinion as to the acceptability of these wastes the Village Board upon advice on the Superintendent and Consulting Engineer will give consideration to such factors as the quantities of subject wastes in relation to flows and velocities in the sewers, materials of construction of the sewers, nature of the sewage treatment process, capacity of the sewage treatment plant, degree of treatability of wastes in the sewage treatment plant, and maximum limits established by regulatory agencies. The substances prohibited are:

- (a) Any liquid or vapor having a temperature higher than one hundred fifty degrees Fahrenheit (150o F), (65o C).
- (b) Any waters or wastes containing toxic or poisonous materials; or oils, whether emulsified or not, in excess of one hundred (100) mg/l or containing substances which may solidify or become viscous at temperatures between thirty-two (32) and one hundred fifty degrees Fahrenheit (150o F) (0 and 65o C).
- (c) Any garbage that has not been properly shredded. The installation and operation of any garbage grinder equipped with a motor of three-fourths (3/4) horsepower (0.76 HP metric) or greater shall be subject to the review and approval of the superintendent.
- (d) Any waters or wastes containing strong acid, iron pickling waste or concentrated plating solutions whether neutralized or not.
- (e) Any waters or wastes containing iron, chromium, copper, zinc, or similar objectionable or toxic substances; or wastes exerting an excessive chlorine requirement, to such degree that any such material received in the composite sewage at the sewage treatment works exceeds the limits established by the Village Board for such materials.

(f) Any waters or wastes containing phenols or other taste or odor-producing substances, in such concentrations exceeding limits which may be established by the Village Board as necessary after treatment of the composite sewage, to meet the requirements of the State, Federal, or other public agencies of jurisdiction for such discharge to the receiving waters.

(g) Any radioactive wastes or isotopes of such half-life or concentration as may exceed limits established by the Village Board in compliance with applicable State or Federal regulations.

(h) Any waters or wastes having a pH in excess of 9.5.

(i) Any mercury or any of its compounds in excess of 0.0005 mg/l as Hg at any time except as permitted by the Village Board in compliance with applicable State and Federal regulations.

(j) Any cyanide in excess of 0.025 mg/l at any time except as permitted by the Village Board in compliance with applicable State and Federal regulations.

(k) Materials which exert or cause:

- (1) unusual concentrations of inert suspended solids (such as, but not limited to, Fullers earth, lime slurries, and lime residues) or of dissolved solids (such as, but not limited to, sodium chloride and sodium sulfate);
- (2) excessive discoloration (such as, but not limited to, dye wastes and vegetable tanning solutions);
- (3) unusual BOD, chemical oxygen demand, or chlorine requirements in such quantities as to constitute a significant load on the sewage treatment works;
- (4) unusual volume of flow or concentrations or wastes constituting "slugs" as defined herein.

(l) Waters or wastes containing substances which are not amenable to treatment or reduction by the sewage treatment processes employed or are amenable to treatment only to such degree that the sewage treatment plant effluent cannot meet the requirements of agencies having jurisdiction over discharge to the receiving waters.

#### **Sec. 5.**

If any waters or wastes are discharged or are proposed to be discharged to the public sewers, which waters contain the substances or possess the characteristics enumerated in Section 5 or this Article, and/or which are in violation of the standards for pretreatment provided in Chapter 1, EPA Rules and Regulations, sub-chapter D, Water Programs Part 128 - Pretreatment Standards, Federal Register Volume 38, No. 215, Thursday,

November 8, 1973, and any amendments thereto, and which in the judgment of the Village Board may have a deleterious effect upon the sewage works, processes, equipment, or receiving waters, or which otherwise create a hazard to life or constitute a public nuisance, the Village Board may:

- (a) reject the wastes;
- (b) require pretreatment to an acceptable condition for discharge to the public sewers;
- (c) require control over the quantities and rates of discharge; and/or
- (d) require payment to cover the added costs of handling and treating the wastes not covered by existing taxes or sewer charges, under the provisions of Ordinance providing for the combination of the existing waterworks system and the sanitary sewerage system of the Village of Gridley into a combined single system.

**Sec. 6.**

Grease, oil, and sand interceptors shall be provided when, in the opinion of the Superintendent, they are necessary for the proper handling of liquid wastes containing grease in excessive amounts, or any flammable wastes, sand, or other harmful ingredients; except that such interceptors shall not be required for private living quarters or dwelling units. All interceptors shall be of a type and capacity approved by the Superintendent and shall be located as to be readily and easily accessible for cleaning and inspection.

**Sec. 7.**

Where preliminary treatment or flow-equalizing facilities are provided, they shall be maintained continuously in satisfactory and effective operation by the owner at his expense.

**Sec. 8.**

Each new industry shall be required to install a control manhole and, when required by the Village Board, the owner of any property serviced by a building sewer carrying industrial wastes shall install a suitable control manhole together with such necessary meters and other appurtenances in the building sewer to facilitate observation, sampling, and measurement of the wastes. Such manhole, when required, shall be accessibly and safely located, and shall be constructed in accordance with plans approved by the Village Board. The manhole shall be installed by the owner at his expense and shall be maintained by him so as to be safe and accessible at all times.

**Sec. 9.**

All measurements, tests, and analyses of the characteristics of waters and wastes to which reference is made in this ordinance shall be determined in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater," published by the American Public Health Association, and shall be determined at the control manhole provided, or upon suitable samples taken at said control manhole. In the event

that no special manhole has been required, the control manhole shall be considered to be the nearest downstream manhole in the public sewer to the point at which the building sewer is connected. Sampling shall be carried out by customarily accepted methods to reflect the effect of constituents upon the sewage works and to determine the existence of hazards to life, limb, and property. (The particular analyses involved will determine whether a twenty-four(24) hour composite of all outfalls of a premise is appropriate or whether a grab sample or samples should be taken. Normally, but not always, BOD and suspended solids analyses are obtained from 24-hour composites of all outfalls, whereas pH's are determined from periodic grab samples.)

**Sec. 10.**

No statement contained in this Article shall be construed as preventing any special agreement or arrangement between the Village Board and any industrial concern whereby an industrial waste of unusual strength or character may be accepted by the Village Board for treatment, subject to payment therefore, in accordance with Ordinance providing for the combination of the existing waterworks system and the sanitary sewerage system of the Village of Gridley into a combined single system, by the industrial concern, provided such payments are in accordance with Federal and State guidelines for User Charge System and Industrial Cost Recovery System.

**Sec. 11.**

The owner of any property serviced by a building sewer carrying industrial wastes shall provide laboratory measurements, tests, and analyses of water and wastes to illustrate compliance with this ordinance and any special conditions for discharge established by the Village Board or regulatory agencies having jurisdiction over the discharge.

The number, type, and frequency of laboratory analyses to be performed by the owner shall be as stipulated by the Village Board, but no less than once per year the industry must supply a complete analysis of the constituents of the wastewater discharge to assure the compliance with the Federal, State and local standards are being met. The owner shall report the results of the measurements and laboratory analyses to the Village Board at such times and in such manner as prescribed by the Village Board. The owner shall bear the expense of all measurements, analyses, and reporting required by the Village Board. At such times as deemed necessary, the Village Board reserves the right to make measurements and samples for analysis by an outside laboratory service.

**Article 7. PROTECTION OF SYSTEM FROM DAMAGE**

**Sec. 1.**

No unauthorized person shall maliciously, willfully, or negligently break, damage, destroy, or temper with any structure, appurtenance, or equipment which is a part of the waterworks and sewerage system. Any person violating this provision shall be subject to immediate arrest under charge of disorderly conduct.



**Sec. 2. DRILLING OF WELLS**

Any person, individual, municipality or other entity shall be prohibited from drilling any wells within a 4-mile radius of the Village of Gridley without first obtaining permission from the President and Board of Trustees of the Village of Gridley.

**Sec. 3. IMPACT STATEMENT**

Any person or entity applying for a permit to drill a well within the 4-mile radius of the Village of Gridley shall supply to the President and Board of Trustees of the Village of Gridley an impact statement which shall be prepared by a registered professional engineer in Illinois licensed by the Department of Education and showing in detail the type of well construction including but not limited to the depth, the proposed formation into which they expect to drill, the amount of water they expect to pump, whether the well will be cased, and how they intend to use the water, and the amount they expect to pump daily, weekly, monthly and annually.

**Sec. 4. DATA REPORT**

Any person or entity obtaining a permit to drill a well within that area shall report to the President and Board of Trustees of the Village of Gridley all data concerning the drilling of said well, including but not limited to its depth, capacity, water level, draw down and any other information requested by said President and Board of Trustees of the Village of Gridley.

**Sec. 5.**

The President and Board of Trustees of the Village of Gridley may at any time require any person drilling the well with its permission to cease drilling or if the well is drilled and is in production to cease the use of said well, if, in the opinion of the President and Board of Trustees of the Village of Gridley the well may diminish or pollute the Village of Gridley water supply.

**Sec. 6. PENALTIES**

Any person or entity drilling a well for any purpose including but not limited to water wells, oil wells and gas wells within the territory of a 4-mile radius of the Village of Gridley without a permit from the President and Board of Trustees of the Village of Gridley shall be deemed guilty of a misdemeanor and shall be subject to a fine of not less than \$100.00 nor more than \$1,000.00. The continued operation of drilling and/or pumping a well without permission from the President and Board of Trustees of the Village of Gridley shall be deemed a separate offense for each day's drilling or operation and each day the person or entity may be fined an additional fine of not less than \$100.00 nor more than \$1,000.00 per day. Continuing to pump or operate a well after notification from the President and Board of Trustees of the Village of Gridley to cease said pumping or operation shall also be deemed a misdemeanor and subject to a like fine. Each day of pumping or operation after Notice to Quit shall be deemed a separate offense.

**Article 8. POWERS AND AUTHORITY OF INSPECTORS**

**Sec. 1.**

The Superintendent and other duly authorized employees of the Village, the Illinois Environmental Protection Agency, and the U.S. Environmental Protection Agency, bearing proper credentials and identification, shall be permitted to enter all properties for the purposes of inspection, observation, measurement, sampling, and testing in accordance with the provisions of this ordinance. The Superintendent of his representative shall have no authority to inquire into any processes, including metallurgical, chemical, oil refining, ceramic, paper, or other industries beyond that point having a direct bearing on the kind and source of discharge to the sewers or waterway or facilities for waste treatment.

**Sec. 2.**

While performing the necessary work on private properties referred to in Article 8, Section 1 above, the Superintendent and duly authorized employees of the Village shall observe all safety rules applicable to the premises established by the company and the company shall be held harmless for injury or death to the employees and the Village shall indemnify the company against loss or damage to its property by Village employees and against liability claims and demands for personal injury or property damage asserted against the company and growing out of gauging and sampling operation, except as such may be caused by negligence or failure of the company to maintain safe conditions as required in Article 4, Section 8.

**Sec. 3.**

The Superintendent and other duly authorized employees of the Village bearing proper credentials and identification shall be permitted to enter all private properties and identification shall be permitted to enter all private properties through which the Village holds a duly negotiated easement for the purposes of, but not limited to, inspection, observation, measurement, sampling, repair, and maintenance of any portion of the sewage works lying within said easement. All entry and subsequent work, if any, on said easement, shall be done in full accordance with the terms of the duly negotiated easement pertaining to the private property involved.

**Article 9. EXTENSION OF SEWER MAINS**

**Sec. 1. EXPENSE OF EXTENSION**

The person or persons desiring sewer service shall install the extension at their own personal expense upon written consent by the Village Board and compliance with the following:

- (a) The Village must approve all plans and specifications for any extensions.
- (b) Before any extensions are installed, the plans and specifications must be reviewed and approved by the State of Illinois Environmental Protection Agency.
- (c) Ownership, rights-of-way, and title must be conveyed to the Village for all extensions installed. The village will maintain the mains thereafter.

(d) No extension will be permitted if in the opinion of the Village Board, the system does not have the necessary capacity to serve the proposed extension.

**Sec. 2. SIZE AND CONSTRUCTION DETAILS**

The size of the sewer to be built shall be determined by the Village Board but in no case shall it be less than 8 inches in diameter. All extensions to the public sewer shall be made with Vitrified Clay Pipe conforming to ASTM C-700 Extra Strength with ASTM C-425 joints or ABS Pipe conforming to ASTM D-2680 with solvent or mechanical seal type joints. Manholes shall be constructed at each change in direction (horizontal and/or vertical) and not more than 400 feet apart on straight sewers. Construction methods shall be in accordance with the "Standard Specifications for Water and Sewer Main Construction in Illinois" adopted by the Village Board and on file in the office of the Superintendent. All construction shall be subject to the inspection of the Superintendent or other designated representatives.

**Article 10. USE OF PUBLIC WATER REQUIRED**

**Sec. 1. PRIVATE WATER SYSTEMS PROHIBITED**

No person having its residence or place of business within the territorial limits of the Village of Gridley Waterworks and Sewerage System shall be permitted to secure water for such residence, or place of business located in the Village, otherwise than through the water mains of the Village, whenever the water mains of the water system of said Village are adjacent to, or within 250 feet of any subdivided lot, or parcel of real estate, upon which said residence or place of business is located.

**Sec. 2. CONNECTION TO PUBLIC WATER MAIN REQUIRED**

In all cases where a public water main is now installed, or hereafter may be installed in any street, alley, public way or easement in the Village of Gridley all inhabitants or users located on any lot or parcel of real estate fronting, abutting on, or within a distance of 250 feet from said public water main to the nearest property line, of any such subdivided lot, or parcel of real estate on any such street, alley, public way or easement, shall at their expense make, or cause to be made connection to such public water main within three months after the installation of such public water main, if the same be not now installed. All users shall discontinue, within the same period of time, any connection which they theretofore may have had with any other private water supply.

**Sec. 3. EXTENSIONS OF WATER MAINS**

Any property owner or developer desiring to extend the public water main for the benefit of his property may do so at his own expense. Minimum main size shall be six inches in diameter or larger where required by the master plan on file with the Village Clerk or where required by the Board of Trustees to serve the future growth in the vicinity of the extension. All construction shall be in accordance with the Standard Specifications for Water and Sewer Main Construction in Illinois - 2nd Edition. Pipe to be used shall be Class 150 cast iron or 200 psi PVC pipe conforming to accepted current standards of ASTM 1784 (for schedule 40, 80 and 160 pipe, ASTM 2241 (SDR-DR) and No. 14 of the Sanitation Foundation (NSF) and be appropriately marked as specified by the

foundation. Minimum acceptable pipe is one having standard dimension ratio of 21 (SDR-21) and Type 1 Grade 1 materials with a hydrostatic design stress of 2000 psi for water at 23o C for a working pressure of 200 psi. Joints shall be of the rubber gasket type. All construction shall be subject to the inspection of the Superintendent or other designated representatives.

#### **Sec. 4. UNAUTHORIZED CONNECTIONS**

No unauthorized person shall uncover, make any connections with or opening into, use, alter or disturb any public water main, or appurtenance thereof, without having first obtained a written permit from the Village Board.

#### **Sec. 5. APPLICATION - CONNECTIONS TO WATER SYSTEM**

Any person desiring to make any connection with the said water system, or have the use thereof, shall first make application to the Office of the Superintendent upon a blank form or forms furnished by said office. Said application shall contain an agreement on the part of the applicant, that all the rules, regulations, conditions, and provisions of all ordinances of the Village of Gridley will be complied with; that all fees, deposits, water rates, charges, rents and all fines and penalties assessed, charged or imposed against said applicant, upon the property described in said application will be paid. When the applicant hereunder has complied with all the provisions of the ordinances of the Village of Gridley, a written permit shall then be issued by the Village Board authorizing the connection to be made.

#### **Sec. 6. PERMIT FEES**

A permit fee of \$665.00 shall be paid to the Treasurer at the time the application is filed, which fee shall entitle applicant to a 1" meter, connection to main, curb stop and box, and 1" service pipe to the property line; a permit fee of \$595 shall be paid if a ¾" meter, and ¾" service pipe are used. Additional fees may be charged to the applicant for extra materials provided by the Village. All service lines must be copper. An outside meter may be obtained and purchased at market price from the Water Superintendent.

#### **Sec. 7. OPENING IN STREETS - HOW PROTECTED**

All openings made in streets and sidewalks shall be protected at all times by sufficient barriers, on which signal lights or flares shall be placed and maintained after dark, together with such other provisions contained in an ordinance pertaining to street openings.

#### **Sec. 8. SEPARATE WATER SERVICE REQUIRED - EXCEPTION**

A separate and independent building water main shall be provided for every building; except where one building stands at the rear of another on an interior lot and no water main is available or can be constructed to the rear building through an adjoining alley, court, yard, or driveway, the water main from the front building may be extended to the rear building and the whole considered as one building water main.

#### **Sec. 9. TURNING ON WATER - SEALS**

(a) No person not duly authorized shall turn on any service stop, or use water therefrom when so turned on, under penalty of a fine of ten dollars (\$10.00) for each offense, and each day shall constitute a separate offense. The person so using or wasting water in such unlawful manner shall further be liable to pay therefore at the regular water rates.

(b) No seal placed by the Waterworks and Sewerage Department for the protection of any meter, valve, fitting or other water connection shall be defaced or broken except on written authority from the Superintendent.

(c) No person or persons, other than members of the Waterworks and Sewerage Department shall use water from any fire hydrant connected with the waterworks system of the Village of Gridley except for extinguishing fires or unless especially authorized by the Superintendent.

#### **Sec. 10. METERS**

All permanent water services hereinafter installed, whether for domestic or commercial purposes, shall be metered. Water meters shall be furnished by the Village and the same shall remain the property of the Village. The cost of the meter will be included in the permit fee. There shall be no reimbursement for this initial service fee upon removal of the water meter. The Village will repair and maintain the meters except when a water meter is damaged by freezing or by hot water backing through the meter or by other physical damage, the consumer shall be required to pay the cost of repairs and labor upon receipt of bill for the same. Any such cost of repair shall be a lien against the premises to the same extent and with the same effect as charges for water service. The meter must be attached to the service pipe immediately after such pipe has entered the wall of the building. In any event, all installations and the placing of meters shall be subject to the approval of the Superintendent.

#### **Sec. 11. ACCESS TO PREMISES**

The Superintendent and every person authorized by him and all meter inspectors shall have ready and reasonable access to the premises, place or buildings where such meters are located for the purpose of reading, examining, testing and repairing the same, and examining and testing the consumption, use and flow of water, and it shall be unlawful for any person or corporation to interfere with, prevent or obstruct said Superintendent or such other person or inspector in his work hereunder. Every consumer of water shall take the same upon the conditions prescribed in this Ordinance.

#### **Sec. 12. INSTALLATION OF WATER SERVICE PIPE AND METER - PENALTIES**

The connection from the main to the curb stop shall be placed at least four (4) feet below the level of the ground and the service pipe shall be laid sufficiently waving so that it shall be at least one (1) foot longer than if laid in a straight line and shall be placed in such manner as to prevent rupture or breakage from settling of the ground. All service pipe shall be Type K Copper Tubing or Polybutylene or Polyethylene Tubing Joints in Polybutylene and Polyethylene shall be made with insert fitting using series 300 stainless steel clamps or compression flared brass clamps. PBD and PE Tubing shall have 160 psi

rating at 73.4o F and shall conform to the standards of the National Sanitation Foundation. All service pipe shall be not less than 3/4" nominal diameter. No person whether owner or occupant in possession or control of any building, structure or premises into which water is supplied through the Village of Gridley waterworks system shall be allowed, without written permission from the Village Board to supply other persons or families or to supply water from such building or premises to any other building structure or premises. The supply of water to a building structure or premises of any person who violated any of the foregoing provisions of this section, shall be shut off and stopped forthwith, and the water shall not again be turned on to such building, structure or premises from which it was cut off until there shall have been paid to said Village such sum of money as the Village Board shall deem properly due the Village.

If after the water supply shall have been turned on to any building, structure or premises, it shall be found by any officer or employee of the said Village that fraudulent representations have been made by the applicant for such water supply or what water is being used in or upon such building, structure or premises for purposes not set forth in the application made for such water supply or that there is willful and unreasonable use or waste of water, the Superintendent or such employee of the Village as he shall designate shall have the authority and it shall be his duty to cut off and stop the supply of water to such building, structure or premises forthwith, and the water shall not be turned on to such building, structure or premises until the person or persons responsible for such fraudulent representation or for such use of water or willful or unreasonable waste thereof, shall pay the Village such additional sum of money for such water supply or on account of such unreasonable waste of water as the Board shall find properly to be due the Village. Every person supplied with water from the Village of Gridley Waterworks system shall, at his or her own cost and expense, have installed and kept in repair all pipes leading from the curb stop to his or her building, structure or premises as are supplied with water through such service pipe.

Each water service pipe shall be connected with said water main and shall extend horizontally at right angles with said water main to a point at least twenty (20) feet from the center line of the street and shall there be provided with a bronze curb stop of not less than three-quarters (3/4) of an inch in diameter to be installed within a telescopic shut-off box of the best quality of cast iron or first grade steel pipe.

The water main must be tapped at an angle of forty-five (45) degrees with the vertical, and the corporation stop must be turned so that the T handle will be on top.

## **Article 11. CHARGES AND RATES**

### **Sec. 1. DEFINITIONS**

Unless the context specifically indicates otherwise the meaning of terms used in the Ordinance shall be as set out in this Article. The definitions contained in Ordinance No. 332 "An Ordinance Regulating the Operation of the Combined Waterworks and Sewerage System for the Village of Gridley shall apply to this Ordinance.

## Types of Charges:

"Water Service Charge" shall be the charge for a one month period levied on all users of the combined waterworks and sewerage system for water service.

"Wastewater Service Charge" shall be the charge per a one month period levied on all users of the Wastewater Facilities. The service charge shall be computed as outlined in Article 4 and shall consist of the total or the Basic User Charge, and a Surcharge, if applicable.

"User Charge" shall mean a charge levied on users of treatment works for the cost of operation and maintenance and a debt service.

"Basic User Charge" shall mean the basic assessment levied on all users of the public sewer system.

"Surcharge" shall mean the assessment in addition to the basic user charge which is levied on those persons whose wastes are greater in strength than the concentration values established in Article 4.

"Replacement" shall mean expenditures for obtaining and installing equipment, accessories, or appurtenances which are necessary during the service life of the treatment works to maintain the capacity and performance for which such works were designed and constructed. The term "operation and maintenance" includes replacement.

"Useful Life" shall mean the estimated period during which the collection system and/or treatment works will be operated and shall be 30 years from the date of start-up of any wastewater facilities constructed with a State grant.

"Sewerage Fund" is the principal accounting designation for all revenues receiving in the operation of the sewerage system.

## **Sec. 2. DEPOSITS**

No service shall be provided to a new or reconnected user of the system (property owner) until such user shall deposit the sum of \$25.00 with the Village Clerk or Collector. The deposit will be refunded after the final bill has been paid, providing there have been no delinquencies on the account and timely payment of bills were received.

All individual non-permanent residences, including trailers, must pay a deposit of \$75.00. If the resident moves, after a 12 (twelve) month period, the deposit will be refunded after the final bill has been paid if there have been no delinquencies on the account and timely payment of bills were received.

## **Sec. 3. WATER USE CHARGES**

That there shall be and there are hereby established charges and rates, effective May 1, 2017 (Ord.# 590), for the use of and for the service supplied by the combined waterworks

and sewerage system of the Village of Gridley, McLean County, Illinois, based upon the amount of water consumed as shown by water meters as follows:

### **WATER SERVICE**

A minimum charge of \$10.40 per month is imposed for all users whose water consumption does not exceed 2,000 gallons per month. All usage exceeding 2,000 gallons per month shall incur charges at the rate of \$0.52 per 100 gallons.

### **SEWER SERVICE**

A minimum charge of \$6.00 per month is imposed to all users whose water consumption does not exceed 2,000 gallons per month. All usage exceeding 2,000 gallons per month shall incur charges at the rate of \$0.30 per 100 gallons.

#### **Sec. 4. WASTEWATER USER CHARGES**

Basis for Wastewater User Charges: The wastewater user charge for the use of and for service supplied by the wastewater facilities of the Village of Gridley shall consist of a basic user charge for operation and maintenance plus replacement, and a surcharge, if applicable.

The user charge shall be based on water usage as recorded by water meters for normal waste having the following strengths.

- (a) A five-day, 20 degree Centigrade (20o C) biochemical oxygen demand (BOD) of 200 mg/l.
- (b) A suspended solids (SS) content of 250 mg/l.

Water meter readings shall be assumed to equal sewage flow except in cases where the user may show adequate proof that water passed through the meter is not returned to the sewer. An adjustment in meter readings will be made in such cases if the user furnishes the Village meter readings of water flow not discharged to the sewer.

The user charge shall consist of operation and maintenance costs plus replacement and shall be computed as follows:

- (a) Estimate the projected annual revenue required to operate and maintain the wastewater facilities including a replacement fund for the year, and the debt service requirements.
- (b) Estimate wastewater volume discharged to the sewer system based on total water meter readings after appropriate adjustment for water not returned to the sewer and/or water from unmetered private sources which is discharged to the sewer system.



(c) Compute costs per 1000 gallons for normal sewage strength wastes.

A surcharge will be levied to all users whose waters exceed the normal concentrations for BOD (200 mg/l) and SS (250 mg/l). The surcharge will be based on water usage as recorded by water meters and/or sewage meters for all wastes which exceed the 200 mg/l and 250 mg/l concentration for BOD and SS, respectively.

The adequacy of the wastewater service charge shall be reviewed annually by Certified Public Accountants for the Village in their annual audit report. The wastewater user charge shall be revised periodically to reflect a change in operation and maintenance costs including replacement costs and adjusted as required. One of the purposes of the annual review shall be to maintain service charges in relation to cost and assure that all use classes are being charged an equitable share.

Measurement of Flow: The volume of flow used for computing user charges and surcharges shall be the metered water consumption read to the lowest even increments of 1,000 gallons.

(a) If the person discharging wastes into the public sewers procures any part or all of his water from sources other than the Village of Gridley Water System, all or a part of which is discharged into the public sewers, the person shall install and maintain, at his expense, water meters of a type approved by the superintendent for the purpose of determining the volume of water obtained from these other sources.

(b) Devices for measuring the volume of waste discharged to the sanitary sewer may be required by the Village Board if these volumes cannot otherwise be determined from the metered water consumption records.

(c) Devices for measuring the volume of waste not discharged to the sanitary sewer may be required by the Village Board.

(d) Metering devices for determining the volume of waste shall be installed, owned, and maintained by the person. Following approval and installation, such meters may not be removed, unless service is canceled, without the consent of the Village Board.

User Rate: There shall be and there is hereby established a minimum charge and a basic user rate for the use of and for service supplied by the Wastewater Facilities of the Village.

A minimum charge of \$4.80 per month to all users whose water consumption does not exceed 2000 gallons per month.

A basic user rate of \$0.30 per 100 gallons metered or adjusted (as in Article 4, Section 1) in excess of 2000 gallons per month period to all users who discharge normal strength wastes to the system.

Surcharge Rate: For waste strengths above normal strength of 200 mg/l BOD and 250 mg/l SS, a surcharge of \$0.40 per pound BOD shall be applied. The surcharge for each monthly period shall be computed by the following formulas:

$$SCBOD = (x-200) \times A \times 0.0000083 \times \$0.40$$

where:

SCBOD = surcharge above the basic user rate for BOD concentration above 200 mg/l.

SCSS = surcharge above the basic user rate for SS concentration above 250 mg/l.

x = average BOD concentration in mg/l

y = average SS concentration in mg/l

A = monthly metered water flow adjusted for appropriate losses in gallons

Computation of Surcharge: The concentration of wastes used for computing surcharges shall be established by waste sampling. Waste sampling shall be performed as often as may be deemed necessary by the Village Board and shall be binding as a basis for surcharges.

Computation of Total Wastewater User Charge: The wastewater user charge shall be computed by the following formula:

$$CW = MC + BC + SCBOD + SCSS$$

where:

CW = total wastewater user charge

MC = minimum charge as set out in Article 4, Section 3

BC = basic user charge as set out in Article 4, Section 3

SCBOD = surcharge for BOD as computed in Article 4, Section 4

SCSS = surcharge for SS as computed in Article 4, Section 4

## **Sec. 5. INDUSTRIAL COST RECOVERY**

Industrial Cost Recovery Required: Each industrial user shall pay that portion of any State grant which has been obtained by the Village for the financing of the construction of wastewater treatment works allocable to the treatment of the wastewater from such user. Such users share shall not include an interest component.

Each year during the industrial cost recovery period, each industrial user of the treatment works shall pay the cost recovery amount determined by Article 5, Section 2 or 3 for such industry, divided by the recovery period. Where an industry is connected to a public sewer after the start-up of the facilities constructed under a State grant, such industry shall only pay its portion of the State grant for each quarter remaining in the recovery period. Such industry will not be required to pay for those quarters of the recovery period prior to connection to a public sewer.

Industrial Cost Recovery Charge: The charge for industrial cost recovery shall be based on a charge per unit volume of normal strength process flow. Normal strength flow shall be waste strength less than or equal to 200 mg/l BOD and 250 mg/l SS. The industrial cost recovery charge will be computed as follows:

(a) Estimate the State grant amount allocable to those treatment units used to process dry weather sewage flow (which includes industrial waste flows).

(b) Divide the allocable State grant amount by the industrial cost recovery period.

(c) Determine the average annual design flow volume by multiplying the daily design flow average of 188,000 gallons/day by 365 days/year. (The result is 68.62 million gallons per year.)

(d) Divide the annual allocable grant amount determined in Paragraph (b) by the average annual design flow volume of 68.62 million gallons.

(e) The resulting charge of \$0.19 per 1000 gallons will be charged all industrial users having a process waste flow.

Surcharge for High Strength Wastes: For waste strengths above normal strength of 200 mg/l BOD and 250 mg/l SS, a surcharge of \$0.037 per pound of BOD and \$0.019 per pound of SS shall be applied to process flow volume and measured waste strength quantities in excess of normal.

Total Charge to an Industrial User: The total industrial cost recovery charge for each billing period shall be determined by multiplying a user's industrial process flow volume discharged during the billing period by \$0.19 per 1000 gallons.

Industrial process flow volume shall be determined by measurement or estimation of all water flow through industrial plant processes. In absence of meter readings, process flow shall be estimated by using the following formula:

$$PF = TWF - DF - CF$$

where:

PF = process flow for billing period

TWF = total water flow for billing period from meter reading, plus estimates of flow from private wells, if any

DF = domestic flow from employees estimated by multiplying the average number of man-shifts worked for the billing period by an allowance of 25 gallons per man-shift worked

CF = flow consumed or otherwise not returned to the sewer

If, in the opinion of the Village Clerk, the Village's interest would be served by making the above estimation on an annual basis, then the Clerk may elect to negotiate with each industry a percentage of the total water flow to estimate process flow each billing period.

Length of Industrial Cost Recovery Period: The industrial cost recovery period shall be equal to the useful life of the treatment works which shall be 30 years from 1979, not to exceed thirty (30) years.

Payments and Billing for Industrial Cost Recovery Period: Industrial cost recovery charges to industrial users shall be included with the regular billing for sewer use charges as specified in Article 5.

Adjustment of Charge Due to Plant Improvement Utilizing State Grant Funds: If there is an expansion or upgrading of the treatment works utilizing a State grant, each existing industrial user's share shall be adjusted accordingly.

No Charge for Unused or Unreserved Capacity: An industrial user's portion of any State grant shall not include any portion of the grant amount allocable to unused or reserved capacity.

Commitment for Increased Use: An industrial user's portion of any State grant shall include allowance for the cost of any firm commitment to the Village for any increased use by such user.

Payment to the State of Illinois Required: The Village shall retain fifty percent (50%) of the amounts recovered from industrial users. The remainder, together with any interest earned thereon, shall be returned to the State of Illinois Anti-Pollution Fund on an annual basis.

Disposition of Retained Amounts: Eighty percent (80%) of the retained amounts, together with interest earned thereon, shall be used solely for the eligible costs of the expansion or reconstruction of treatment works associated with the project and necessary to meet the requirements of the Federal Act and the State of Illinois. The Village, prior to commitment of the retained amounts, shall obtain written approval of the Illinois Environmental Protection Agency for any expansion or reconstruction. The remainder of the retained amounts may be used for such expenditures as the Village deems appropriate.

Investment of Retained Amounts Required: Pending use, the grantee shall invest the retained amounts for reconstruction and expansion in: (1) obligations of the U.S. Government; or (2) obligations guaranteed as to principal and interest by the U.S. Government or any agency thereof; or (3) shall deposit such amounts in accounts fully collateralized by obligations of the U.S. Government or by obligations fully guaranteed as to principal and interest by the U.S. Government or any agency thereof.

Village Clerk's Responsibility: The Village Clerk shall maintain the necessary records for determination of user share of the cost and shall provide the billing and collection services as required.

Village Treasurer's Responsibility: The Village Treasurer shall be responsible for the investment and expenditure of all moneys collected for industrial cost recovery in accordance with Article 5, Sections 9, 10, 11 and 12.

Monitoring Required: The Sewage Plant Superintendent shall maintain a program of monitoring industrial user discharges as the Village Board deems necessary, provided that any major contributing industry shall be monitored no less than twelve (12) times annually.

## **Sec. 6. GENERAL PROVISIONS**

Meters: No free service of the combined waterworks and sewerage system of the Village of Gridley shall be furnished to any user either a person, firm, organization or corporation, public or private. Every user of the combined waterworks and sewerage system and every such water meter shall be sealed. It shall be the duty of the Superintendent of the combined waterworks and sewerage system of said village to maintain all meters of said system in good and accurate working condition, and to replace all meters as he shall determine have become inaccurate or faulty. Also, he shall report the master meter reading to the Village Treasurer on the first of each month.

Bills: Said water service charge and sewer user charges, and industrial cost recovery charges, for service shall be payable monthly. The owner of the premises, the occupant thereof and the user of the service shall be jointly and severally liable to pay for the service to such premises and the service is furnished to the premises by the Village only upon the condition that the owner of premises, occupant and the user of the services are jointly and severally liable therefor to the Village.

If any water meter at any time fails to register the quantity of water running through it, the quantity shall be determined, and the charge made based on the amount registered during the month preceding the date of such failure, or the usage for the same month of the preceding year, whichever is the greater.

Bills for the water and sewer service shall be sent out by the Village on the 1st day of the month succeeding the period for which the service is billed.

Any bills are due and payable on the 15th of the same month. A penalty of 10 percent shall be added to all bills not paid within 15 days of the billing.

Delinquent Bills: If the charges for services are not paid within sixty (60) days after rendition of the bill for such service, such charges shall be deemed and are hereby declared to be delinquent.

Lien Notice of: Such delinquencies shall constitute liens upon the real estate for which such service is supplied and the Village Clerk is hereby authorized and directed to file

sworn detailed statements showing such delinquencies in the office of the Recorder of Deeds of McLean County, Illinois, and the filing of such statements shall be deemed notice of the lien for payment of the service rendered. This statement shall contain the legal description of the premises served, the amount of the unpaid bill, and a notice that the Village claims a lien for this amount as well as for all charges subsequent to the period covered by the bill. In the event the charges for such services become delinquent, the Village Clerk, or Collector is hereby authorized and directed to cause notification to be given in writing to the Owner of the premises, the occupant thereof, and the user of the service that such delinquency exists and that services shall be discontinued without further notice. It shall be the duty of the Superintendent of the combined waterworks and sewerage system of the Village of Gridley to secure copies of the notices of all delinquencies from the Village Clerk or Collector of said Village on the 16th day of each month and to shutoff services to said delinquent user at the end of the heretofore-mentioned sixty (60) day period. Upon the disconnecting of any service, a charge of Twenty-five dollars (\$25.00) shall be made for reconnecting the same after settlement of the current as well as delinquent account, in addition to the \$25.00 deposit for homeowners and \$75.00 for renters and trailers as abovementioned hereof unless previously deposited.

The failure of the Village Clerk or Collector to record such lien or to mail such notice or the failure of the Owner to receive such notice shall not affect the right to foreclose the lien for unpaid bills as mentioned in the foregoing section.

Foreclosure of Lien: Property subject to a lien for unpaid charges shall be sold for non-payment of the same, and the proceeds of the sale shall be applied to pay the charges, after deducting costs, as in the case in the foreclosure of statutory liens. Such foreclosure shall be by bill-in-equity in the name of the Village. The Village Attorney is hereby authorized and directed to institute such proceeds in the name of the Village in any Court having jurisdiction over such matters against any property for which the bill has remained unpaid forty-five days after it has been rendered.

Revenues: All revenues and money derived from the operation of the system shall be deposited in the waterworks and sewerage account. The President and Board of Trustees shall designate a Collector for the combined waterworks and sewerage system of the Village of Gridley, and it shall be the duty of such Collector to render bills for service and all other charges in connection therewith and to collect all moneys due thereon. Said Collector shall be covered to the maximum amount on hand at any time by an approved corporate surety bond. All such revenues and moneys shall be held by the Village Collector separate and apart from his private funds and separate and apart from all other funds of the Village and all of said sum, without any deductions whatever, shall be delivered to the Village Treasurer not more than ten days after receipt of the same, or at such more frequent intervals as may, from time-to-time, be directed by the President and Board of Trustees.

The Village Collector shall receive all such revenues from the system and all other funds and monies incident to the operation of such system as the same may be delivered to him

and deposit the same in the account of the fund designated as the Waterworks & Sewerage Fund for the Village. Said Collector shall administer such fund in every respect the manner provided by the statute of the State of Illinois, Chapter 24 of the "Revised Cities and Village Act," effective January 1942 and all laws amendatory thereof and supplementary thereto and according to the provisions of the "Ordinance creating an issue of \$500,000 Waterworks and Sewerage Revenue Bonds of 1978.

Accounts: The Village Clerk or Collector shall establish a proper system of accounts and shall keep proper books, records, and accounts in which complete and correct entries shall be made of all transactions relative to the combined waterworks and sewerage system and at regular annual intervals he shall cause to be made an audit by a certified public accountant of the books to show the receipts and disbursements of the combined waterworks and sewerage system as well as other necessary information. Two copies of said audit shall be furnished the underwriter of the aforementioned Bonds. Separate accounts shall be kept for water and sewerage portions of the system.

Furthermore, it shall be the duty of the Village Treasurer to file with the President and Board of Trustees a monthly report which shall include for the month (1) a list of the TURN-OFF NOTICES which he provided the Superintendent of the System, (2) a list of the current month delinquencies, (3) the number of bills mailed, (4) the number of gallons billed or sold, (5) the number of gallons pumped into the system, (6) a list of the various revenues of the system for the month and total year to date along with the expenses for the month and year to date, (7) the Cash Balances and investments on hand in each of the several funds of the waterworks and sewerage system.

In addition to the customary operating statements, the annual audit report shall also reflect the revenues and operating expenses of the waterworks facilities and wastewater facilities, including a replacement cost, to indicate that the sewer service charges under the waste cost recovery system and capital amounts required to be recovered under the industrial cost recovery system do in fact meet these regulations. In this regard, the financial information to be shown in the audit report shall include the following:

- (a) Flow data showing total gallons pumped to the water distribution system.
- (b) Flow data showing total gallons received at the wastewater plant for the current fiscal year.
- (c) Billing data to show total number of gallons billed for water use and sewer use.
- (d) Debt service for the next succeeding fiscal year.
- (e) Number of users connected to the system.
- (f) Number of non-metered users.

(g) A list of users discharging non-domestic wastes (industrial users) and volume of waste discharged.

Notice of Rates: A copy of this article, properly certified by the Village Clerk shall be filed in the office of the Recorder of Deeds of McLean County and shall be deemed notice of all owners of real estate of the charges of the sewerage system of said Village on their properties.

Penalty: Any person, firm or corporation violating any provisions of this article shall be fined not less than \$10.00 nor more than \$1000.00 dollars for each offense.

Access to Records: The Illinois Environmental Protection Agency or its authorized representative shall have access to any books, documents, papers and records of the Village which are applicable to the Village system of user charges or industrial cost recovery for the purpose of making audit, examination, excerpts and transcriptions thereof to insure compliance with the terms of the Special and General Conditions to any State Grant.