# Chapter 22

# Utilities

# (ORD. 9-90-91)

**Article I Water System**

**Article II Sewer System**

**Article III Fees**

**Article IV Cross-Connection Controls**

**Article V General Provisions**

## Article I. Water System

**22.101 Definitions –** For the purpose of this ordinance, the words set forth in this section have meanings designated in this section except when a particular context clearly requires a different meaning:

1. Board: Shall mean the Camp Point Village Board of Trustees.

2. Clerk: as used in this ordinance shall mean the Billing Clerk, or the person appointed by the Public Works Committee to act in the capacity.

3. Committee: shall mean the Public Works Committee of the Board.

4. Curb Stop: as used in this ordinance, shall mean a valve or shut off at the last point of delivery nearest the user, between the water main and the user's property line. In event of no valve or shut off, the curb stop would be where the water service to the user would exit Village property.

5. Normal Working Hours: as used in this ordinance, shall be the normally scheduled working hours of the Village office and those of the Superintendent.

6. Person: as used in this ordinance, 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.

7. Service Line: as used herein shall mean the private water line and fixtures, from the point of distribution or delivery from the publicly maintained system as defined in Section 22.102, below.

8. Superintendent: as used in this ordinance, shall mean the Superintendent of Public Works, or the person acting in that capacity.

9. User, Customer or Consumer: as used in this ordinance, shall mean a person, whether resident or non-resident of the Village, for whom Village utility services are provided, pursuant to the terms and provisions of this ordinance.

10. Treasurer: as used in this ordinance means the appointed financial officer of the Village as defined in Chapter 4, Article II.

11. Village: as used in this ordinance means the inhabitants within the Village limits of the Village of Camp Point and represented by the Board.

**22.102 Maintenance and Repairs of System –** The existing waterworks system, together with the extensions, improvements, additions, and repairs made to the waterworks system, shall be owned, and operated by the Village known and designated as the waterworks system of the Village. The Village is responsible for the maintenance of the distribution system, except for any repair, work, or connection from whichever of the following is closer to the distribution main: the curb stop; curb side meter pit; shut off valve; or property line, to the user. The user shall additionally be responsible for the cost of water delivered to that service. The user is responsible for all damage or injury resulting from the backflow or failure of the backflow device from or on the user's property into the Village's water distribution system.

**(ORD. 5-21-22)** The use is responsible for the cost of all damage, or injury resulting from damage to any auto or radio meter reading equipment installed on user's property.

**22.103 Service** – Incorporation of Ordinance and Rules: The rules and regulations and water rates named in the ordinance shall be considered part of the contract with every person who is supplied with water through the water system of the Village. Every person, by taking water, is considered to express his assent to be bound thereby.

**22.104 Application for Service** – Every person desiring water service must make a written application therefor to the Clerk in such form as may be described by the Superintendent for that purpose. The application must state fully all the uses to which the water is to be applied and any deviation therefrom will not be allowed except by written permission of the Superintendent.

**22.105 Service Line Specifications** – Water service pipe, from the point of connection on the water main to the curb stop box, meter pit, or shut off located at the property line, shall be either type K copper, or polyethylene (PE) plastic pipe in accordance with American Society for Testing and Materials (ASTM) D2239, D2737, with a minimum

pipe pressure rating of 160 psi (1.10 mpa), for all service entrances, whichever shall be approved or required by the Superintendent. Service pipes shall in no case be smaller than three-fourths inch (3/4") inside diameter.

All service lines shall have at least a twelve-inch (12") expansion loop unless they are installed with a tee.

Duplex apartments shall have a minimum of one-inch (1") inside diameter service line.

Multiple housing units, and commercial users service line diameter shall be determined by the Village's engineer.

Service lines shall be installed at a minimum depth of forty-eight (48") inches.

**22.106 Permit** – No addition to or alteration in any tap, pipe, curb stop, or other fixture between the main and the water meter shall be made by any person without the approval of the Superintendent. All additions or alterations shall be made under the direct supervision of the Superintendent.

Permits to do the work shall be issued by the Clerk, subject to the approval of the Superintendent. The Clerk shall keep a record of all permits issued and of all returned, and names of persons applying for the same, and to whom issued and the date of issue and return.

The Clerk shall keep an accurate account of all water users showing the dates and nature of the application, the permits issued and a complete record of all transactions with each water user. A copy of the transactions will be given by the Clerk to the Superintendent.

**22.107 Approval/Inspection** – It shall be the duty of the Superintendent to countersign all permits issued by the Clerk unless there is good cause for refusing such signature, but no permit shall be valid until so signed.

The Superintendent shall promptly, when the work is completed, inspect all plumbing done on permits issued therefor, and shall certify as to the correctness thereon, which report and certificate shall then be filed in the office of the Water Department, "Promptly." As used herein, shall, absent good cause, mean within eight (8) normal working hours.

**22.108 Service Meters and Lines** – Maintenance and Repairs: all water furnished and sold by the Village from the public water system shall be measured by a water meter and paid for at rates as fixed and determined by this ordinance.

Except as otherwise provided, all new meters shall be installed in outside meter pits on Village property immediately adjacent to the user's property line, and at a location nearest the existing water main as determined by the Superintendent.

Installation of meters on private property are subject to the approval of the Superintendent and the Committee. All new meters installed on private property are required to have outside reading devices installed at an easily accessible location approved by the Superintendent. Outside reading devices shall be paid for by the property owner.

In the event a leak occurs in the user's service line between the point of distribution from the public system and the meter located on the user's property, the user shall be responsible for all water loss and damages. The service may be discontinued without notice at the discretion of the Superintendent until proper repairs are made by the user.

**(ORD. 12-98-99)** All material installed, from and including the tap to the curb stop box, meter pit, or shut off located at the property line, shall be owned by and the responsibility of the Village. All material (excluding the meter) installed from the property line to the user shall be the responsibility of the user. Responsibility for maintenance of said portions of the service line and for any related water loss resulting from defects or failure of said facilities shall be assumed by the Village or the user, as the case may be, as stated above.

**22.109 Hydrants** – All hydrants constructed or to be constructed by the Village for the purpose of supplying water for the purpose of extinguishing fire in the Village, are public hydrants. No person or persons, other than the members of the fire department and those specifically authorized by the Superintendent, shall open any hydrant, or attempt to draw water from the same, or in any manner interfere with or injure any of the hydrants.

**22.110 Private Hydrants** – Any hydrants installed by other than the Village shall be subject to the approval of the Board, and shall conform to all Village standards, including materials used in order to ensure uniformity.

**22.111 Obstructions** – No person shall, in any manner, obstruct the free access to any public hydrant or curb stop connected with any water pipe in the Village, by means of any lumber, brick, building material, or other article, things or hinderance whatsoever.

**22.112 Openings** – No person shall make any opening on any public street or other public way for the purpose of making any water connection, or rendering service thereto, or making inspection thereof unless he has first received a permit from the Committee and posting a

bond in the sum of five thousand dollars ($5,000.00) on the prescribed Village form.

**22.113 Shut Off** – There shall be a curb stop or shut valve located between the water main and the user's property line, so that the supply of water may be shut off. The Village shall assume no responsibility for damage to the user's property or personal injury resulting from the disconnection, or reconnection of water for any reason.

**22.114 Connections/Approval** – No connections to the main shall be made during freezing weather unless approved by the Superintendent. Plumbers are strictly prohibited from turning water on except with the express permission of the Superintendent.

**22.115 Barricades and Restoration** – All excavations for water installation shall be adequately guarded with barricades, or fence, and lights as necessary so as to protect the public from hazard. Streets, sidewalks, parkways, and other public property disturbed in the course of work shall be restored in a manner satisfactory to the Superintendent.

**22.116 Location of Private Hydrants/Faucets** – All hydrants, faucets, and other devices which water consumers may adapt for obtaining water from the Village waterworks system must be put inside the property line unless written permission is obtained from the Board.

**22.117 Rates** – The water rates as fixed and determined by this chapter shall be final, and no flat rate of any kind or character shall be made except by the Board, upon reasonable grounds, to any water consumer, whether it be an individual or corporation or otherwise.

The Board reserves the right to amend or modify the rates, classifications, or charges provided herein, as the Board determines reasonable and appropriate.

**22.118 Meter Readings** – It shall be the duty of the Superintendent, or his designate to keep a careful check of all meters owned by the Village and shall carefully and accurately read the water meters in the Village and make out and deliver to the Clerk a statement of the name, the property, and the reading shown on the meter from each person. Whenever, for any cause a water meter fails to operate, or the water meter is not accessible due to weather, a reasonable estimate shall be approved by the Superintendent on the amount of water supplied during the month, and the user shall pay a rate based on the estimated amount of water supplied during the previous six (6) months.

The Clerk shall, upon receipt of a listing of accounts, prepare the bills, collect the water fees, and deliver a receipt to each person who pays said bill.

**22.119 Meter Access** – Any water meter which has been taken over or installed by the Village, in the premises of an owner or occupant, is and shall remain the property of the Village, with full right and authority for the Superintendent to enter the premises at all reasonable times for the purpose of reading, inspecting, testing the consumption, use and flow of water, repairing, and no meter shall be installed and used in connection with the Village water system unless the meter is the property of the Village.

It shall be unlawful for any person or corporation to interfere with, prevent, or obstruct said Village or its duly authorized agent, in its duties hereunder.

The type of meter to be installed in the Village and used by the water consumers thereof, shall be approved by the Committee.

**22.120 Meter Records** – It shall be the duty of the Clerk to keep a record of all meters distributed and installed by the Village, showing the date when placed in service, the name and address of the parties, a description of the premises where the meter is located, the kind and number, and also a record of the deposits made and returned.

**22.121 Unauthorized Use of Service** – No water consumer may supply water to any other premises through a service pipe or allow any other premises to take it, except for use on the premises served through a Village water meter and for the purposes specified in the application.

**22.122 Separate Meters Required** – Users requesting new services to individual dwellings, trailers, apartments, duplex flats, double houses, and apartment houses shall be required to have separate meters.

Existing water service currently being metered through a single meter servicing multiple dwellings, trailers, apartments, duplex flats, double houses, and apartment houses, shall pay the minimum monthly fee for each separate dwelling unit, whether said separate dwelling units are occupied or unoccupied.

**22.123 Disruption, Discontinuance, Restriction of Service** – No claims shall be made against the Village by reason of the breaking of any water main, service pipe, or other fixtures, or for any other reason of the breaking of machinery or stoppage for necessary repairs.

The Village reserves the right to shut off water at any time in the mains for the purpose of repairing, cleaning, making connections, with or extensions to same, for the concentrating of water in any part of the Village in case of fire, and for restricting the use of water in case of deficiency in supply, including the suspension of the use of water for sprinkling of lawns or gardens.

No claim shall be made against the Village for damage arising for increasing or decreasing the water pressure at any time or from concentrated or restricted use of water as above.

The Village shall endeavor, whenever reasonable, in its sole judgement, to give notice through local news media of the time and location whenever it is necessary to shut off water service.

The Superintendent shall give public notice through the local news media in compliance with state and federal regulations, of boil orders that may be required within the Village.

## Article II Sewer Systems

**22.201 Definitions** – In addition to those provided under Section 22.201:

1. Federal Government:

a. "Federal Act" means the Federal Water Pollution Control Act (Enacted by Public Law 92-500, October 18, 1972, 86 Stat. 816; 33U.S.C. 1251 et seq.), and all subsequent amendments thereto currently in effect at the time of enactment of this ordinance.

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 the Title II – Grants for construction of Treatment Works of the Act and implementing regulations.

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 the Illinois Anti-Pollution Bond Act and for making such grants as filed with the Secretary of State of the State of Illinois.

3. Local Government:

a. "Ordinance" means this ordinance

b. "Village" means the Village of Camp Point

c. "Board" means the Camp Point Village Board of Trustees.

4. Person:

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

5. NPDES Permit:

a. "NPDES Permit" means any permit or equivalent document or requirements issued by the Administrator, or where appropriate by the Director, after enactment of the Federal Water Pollution Control

Amendment of 1972, to regulate the discharge of pollutants pursuant to Section 402 of the Federal Act.

6. Clarification of Word Usage:

a. “Shall” is mandatory

b. “may” is permissible.

7. 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 liquid and water-carried wastes from residences, commercial building, 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 0.001g of the constituent in 1,000ml 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” and the IEPA Division of Laboratories Manual of Laboratory 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 in five (5) days at 20 degrees 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" and the IEPA Division of Laboratories Manual of Laboratory 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 pre-treatment 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 .17 pounds of BOD and .22 pounds of suspended solids.

p. "Sludge" 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 workday; 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 amounts 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.

8. 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 sewers system, even though those sewer may not have been constructed with Village funds.

c. "Sanitary Sewer" shall mean a sewer that conveys sewage or industrial wastes or a combination of both, and into which storm, surface, and groundwater or unpolluted industrial wastes are not intentionally admitted.

d. "Combined Sewer" shall mean a sewer which is designed and intended to receive wastewater, storm, surface, and groundwater drainage.

e. "Building Sewer" shall mean the extension from the building drain to the public sewer or other place of disposal.

f. "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.

g. "Storm Water Runoff" shall mean that portion of the precipitation that is drained into the sewers.

h. "Sewerage" shall mean the system of sewers and appurtenances for the collection, transportation and pumping of sewage.

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

9. 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."

10. Wastewater Facilities:

a. “Wastewater Facilities” shall mean the structures, equipment, and processes required to collect, carry away, and treat domestic and industrial wastes and transport effluent to a watercourse.

11. 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.

12. User Types:

a. “User Class” shall mean the type of user “residential institutional/governmental, commercial,” or “industrial” as defined herein.

b. “Residential User” shall mean all dwelling units such as houses, buildings, mobile homes, apartments, and permanent multifamily dwellings, used for human occupancy.

c. “Commercial User” shall include transit lodging, retail and wholesale establishments or places engaged in selling merchandise, or rendering services such as offices, stores, eating, drinking, laundry, cleaning, and recreation.

d. “Institutional/Governmental User” shall include schools, churches, penal institutions, and users associated with Federal, State, and local governments.

e. “Industrial Users” shall include establishments engaged in manufacturing activities involving the mechanical or chemical transformation of materials of substance into products.

f. “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.

13. Types of Charges:

a. “Wastewater Service Charge” shall be the charge per month levied on all users of the Wastewater Facilities. The service charge shall be as outlined in this Chapter and shall consist of the total of the Basic User Charge, a Surcharge, Reserve Fund Charge, and a Debt Service Charge.

b. “User Charge” shall mean a charge levied on users of treatment works for the cost of operation, maintenance, and replacement.

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

d. "Debt Service Charge" shall be the amount to be paid each billing period for payment of interest, principal, and coverage of bonds outstanding.

e. "Capital Improvement Charge" shall mean a charge levied on users to improve, extend, or reconstruct the sewage treatment works.

f. "Local Capital Cost Charge" shall mean charges for costs other than the Operation, Maintenance, and Replacement costs, i.e., debt service and capital improvements costs.

g. "Surcharge" shall mean the assessment in addition to the basic user charge and debt service charge which is levied on those persons whose wastes are greater in strength than the concentration values established in this Chapter.

h. "Reserve Fund Charge" shall mean a revolving fund for expansion and construction of the sewer system.

i. "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.

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

k. "Water/Sewer Operation and Maintenance Account" is the principal accounting designation for all revenues received in the operation of the sewage systems.

14. Miscellaneous:

a. "Inspector" shall mean the Superintendent or other person or persons duly authorized by the Village to inspect and approve the installation of building sewers and their connection to the sanitary sewer system.

b. "Superintendent" shall mean the Superintendent of Public Works of the Village of Camp Point, Illinois, or his authorized deputy, agent, or representatives.

REQUIRED USE OF PUBLIC SEWERS

**22.202 Unsanitary Deposits** – 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, or in any area under the jurisdiction of said Village, any human or animal excrement, garbage, or other objectionable waste.

**22.203 Treatment Required** – It shall be unlawful to discharge to any natural outlet within the Village, 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.

**22.204 Septic Tanks** – Except as hereinafter provided, it shall be unlawful to construct or maintain and privy, privy vault, septic tank, cesspool, or their facility intended or used for the disposal of sewage.

**22.205 Sewer Required** – The owner of all the 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 (or combined) sewer of the Village, is hereby required at their expense to install suitable toilet facilities therein, and to connect such facilities directly with the proper public sewer in accordance with the provisions of this ordinance, within ninety (90) days after date of official notice to do so, provided that said public sewer is within one hundred (100) feet (30.478 meters) of the property line.

PRIVATE SEWAGE DISPOSAL

**22.206 Time Limit** – At such time as a public sewer becomes available to a property served by a private sewage disposal system, as provided in Article II, a direct connection shall be made to the public sewer in compliance with this ordinance within a ninety (90) day period following written notice from the Village, and any septic tanks, cesspools, and similar private sewage disposal facilities shall be abandoned and filled with suitable material if it is determined by the Superintendent or the Adams County Health Department that such private sewage disposal system is unsanitary, causing detrimental effects to the environment.

LICENSE, PERMITS, AND EXTENSIONS

**22.207 Reserved:**

**22.208 Sewer Permits** – No connection shall be made to the municipal sewer system without first having obtained a permit therefor. Application for such permit shall be made to the Superintendent and shall be accompanied by a statement showing the purpose of the connection, the premises to be served, and the specifications of the pipe to be connected and the drain from the building to the sewer pipe. No permit shall be issued for new connections outside the

corporate limits unless the use of such land and building or buildings thereon are in compliance with all subdivision and zoning ordinances of the Village applicable thereto. In addition, thereto, the buildings shall be in compliance with the provisions of the applicable BOCA basic building code or minimum housing code, as adopted or made a part of this Code. Permit fees will be the same as though property were all in the Village. If after passage of this ordinance, buildings are constructed and no building permit is applied for, or issued, and subsequently a sewer permit is applied for, the Village must cause proper inspections to be made to determine compliance with the applicable codes. If all the applicable codes have been complied with, the Village shall issue a certificate of compliance, provided that a fee shall be paid to the Village, which fee will be equivalent to the fee which would have been charged for a building permit at the time the buildings were constructed. This fee shall be in addition to any other fees required by the Village.

There shall be two (2) classes of building sewer permits:

a. for residential, wastewater service, and b. to commercial, institutional/governmental, or industrial wastewater service. In either case, the owner or their agent shall make application on a special form furnished by the Village.

The permit application shall be supplemented by any plans, specifications, or other information considered pertinent in the judgement of the Superintendent. A sewer tapping fee shall be paid to the Village at the time the application is filed. Any industrial user, as a condition of permit authorization, must provide information describing its wastewater constituents, characteristics, and type of activity.

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

A separate independent building sewer shall be provided for every building, except that where one (1) 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, court, yard, or driveway, the building sewer from the front building may be extended to the rear building and the whole considered as on (1) building sewer.

Existing 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.

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 and discharged to the building sewer.

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.

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.

All costs and expense 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.

Sewer connections permits shall be valid only for sixty (60) days after issuance.

**22.209 Extension of Municipal Sewer** System – Persons desiring to connect to the municipal sewer system shall bear all costs incident thereto, including the cost of any extension of the municipal sewer systems to reach their premises; provided, however, that any such extension, other than the service connections to a single premises, shall become the property of the Village upon its completion. All extensions of the municipal sewer system shall be made only at the locations and in accordance with the specifications established by the Board. All plans for such extension shall be prepared by a Registered Professional Engineer and shall be approved by the Board and the Illinois Environmental Protection Agency. Inspection of the construction of such extension shall be provided by the Village but the cost of such inspection shall be deposited with the Village before construction is commenced by the person desiring to have such system extended. A deposit of the estimated cost of any work to be performed by the Village in connection with such sewer extension shall be made by the person desiring such extension before such work is commenced. Adequate insurance, as determined by the Board, shall be provided during construction, protecting the Village. A surety bond in the sum equal to the estimated cost of construction of the extension to secure to the Village the actual construction of such extension in accordance with the applicable ordinance of the Village and of the plans and specifications therefor, and to hold the Village harmless of any claims whatsoever arising out of the construction of such extension,

shall be delivered to the Board before construction of such extension is commenced.

Easements acceptable to the Board for constructing and maintaining requested extensions shall be provided and recorded at no expense to the Village before any extension of such system shall be made. Such easements and all rights incident thereto shall become the property of the Village. It is hereby declared to be the policy of the Village to extend the utmost cooperation permitted by law in the obtaining of such easements. No reimbursement shall be made by the Village for costs of interest, bonds, easements, permits, licenses, insurance, or administrative overhead of the person extending the municipal sewer system. The Board shall have the authority to waive such of the requirements of this section as it shall deem in the best interest of the Village for **(ORD. 12-93-94)** main or lateral sewer extensions serving nonresidential users or an area with a potential of more than five (5) residential service connections.

**22.210 Sewage Lift Station** – Cost of construction and operation of permanent lift stations shall be borne by the person or persons desiring such lift stations and none shall be constructed except as permitted by the Board. Permanent lift stations and pressure lines serving more than two (2) separately owned properties shall be built only on easements of the Village and shall be maintained and operated by the Village. Charges for the maintenance and operation of such lift stations shall be apportioned and billed as an additional use charge among the users thereof as the Board shall determine. Private lift stations or sewage trash pumps serving not more than two (2) separately owned properties and temporary lift stations are prohibited except under extreme circumstances as determined by the Board, and all cost of construction and operation of the same shall be borne by the person constructing the same.

**22.211 Specifications** – The size, slope, alignment, materials of construction of a building sewer, and the methods to be used in excavating, placing of the pipe, jointing, testing, and back filling the trench, shall all conform to the requirements of the building and plumbing code or other applicable rules and regulations of the Village. In the absence of code provisions or in amplification thereof, the materials and procedures set forth in appropriate specifications of the American Society of Testing Materials, Water Pollution Control Federation Manual of Practice No. 9, and Standard Specifications for Water and Sewer Main Construction in Illinois shall apply.

All work done on any plumbing system shall be performed in an efficient and workmanlike manner, and materials used shall be adequate for the purpose, and of standard material, all as prescribed by the Illinois State Plumbing Code.

**22.212 Inspection** – The applicant for the building sewer permit shall notify the Superintendent when the building sewer and connection to the public sewer is ready for inspection. The connection shall be made under the supervision of the Superintendent or its representative.

**22.213 Barricades and Restoration** – All excavations for building sewer installation shall be adequately guarded with barricades, or fence, 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 a manner satisfactory to the Superintendent.

USE OF THE PUBLIC SEWERS

**22.214 Discharge to Sanitary Sewers** – No person shall discharge, or cause to be discharged, any storm water, surface water, groundwater, roof runoff, or subsurface drainage to any sanitary sewer.

**22.215 Storm water discharge** – Storm water and all other unpolluted drainage shall be discharged only to such sewers as are specifically designated as combined sewers or storm sewers, or to a natural outlet approved by the Board. Industrial cooling water or unpolluted process waters shall not be discharged, except on approval of the Board, to a storm sewer, combined sewer, or natural outlet.

**22.216 Prohibited Substances** – No person shall discharge or cause to be discharged any of the following described waters or wastes to any public sewers:

1. Any gasoline, benzene, naphtha, fuel oil, or other flammable or explosive liquid, solid, or gas.

2. 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.

3. Any waters or wastes having a pH lower than 5.5 or higher than 10.0 or having any other corrosive property capable of causing damage or hazard to structures, equipment, and personnel of the sewage works.

4. Solids 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, acids, ashes, bark, chemicals, cinders, cups, dye stuffs, entrails, feathers, garbage, glass, hair and fleshing, lime, metal, milk containers, mud, paper dishes, paunch manure, plastics, rags, refuse, sand, sawdust shavings, silt, straw, tar, unground

garbage, wood, whole blood, or other substances either whole or ground by garbage grinders, which may cause, or tend to cause obstruction to the flow in sewers or interference with the proper operation of the wastewater facilities.

**22.217 Substances Requiring Approval** – 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 its opinion as to the acceptability of these wastes, the Superintendent 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:

1. Any liquid or vapor having a temperature higher than one hundred fifty-degree Fahrenheit (150 degrees F), (65 degrees C).

2. Any waters or wastes containing toxic or poisonous materials; or oils, whether emulsified or not, in excess of one hundred (100) gm/1 or containing substances which may solidify or become viscous at temperatures between thirty-two (32) and one hundred fifty degrees Fahrenheit (150 degrees F), (0 and 65 degrees C).

3. 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.

4. Any waters or wastes containing strong acid, iron pickling wastes, or concentrated plating solutions whether neutralized or not.

5. 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 exceeds the limits established by the Superintendent for such materials.

6. Any waters or wastes containing phenols or other taste or odor-producing substances, in such concentrations exceeding limits which may be established by the Superintendent 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.

7. Any radioactive wastes or isotopes of such half-life or concentration as may exceed limits established by the Superintendent in compliance with applicable State of Federal regulations.

8. Any wastes or waters having a pH in excess of 9.5

9. Any mercury or any of its compounds in excess of 0.0005 mg/1 as Hg at any time except as permitted by the Superintendent in compliance with applicable State and Federal regulations.

10. Any cyanide in excess of 0.025 mg/1 at any time except as permitted by the Superintendent in compliance with applicable State and Federal regulations.

11. Materials which exert or cause:

a. 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).

b. excessive discoloration (such as, but not limited to, dye wastes and vegetable tanning solutions).

c. Unusual BOD, chemical oxygen demand, or chlorine requirements in such quantities as to constitute a significant load on the sewage treatment works.

d. unusual volume of flow or concentrations of wastes constituting "sludge" as defined herein.

12. 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.

**22.218 Special Treatment of Sewage** – The admission into the public sewers of any waters or wastes having (a.) a 5-day Biochemical Oxygen Demand greater than 200 parts per million by weight, or (b.) containing more than 220 parts per million by weight, suspended solids, or (c.) containing any quantity of copper, chromium, cyanide, lead, zinc, arsenic, nickel, phenol, detergents, or substances having the characteristics described in Section 22.217, or (d.) having an average daily flow greater than 3% of average daily flow of the Village, shall be subject to the review and approval of the Superintendent. The owner shall provide, at his expense, traps, interceptors, or preliminary treatment as may be necessary, in the opinion of the Superintendent, to reduce objectionable characteristics or constituents to within the maximum limits provided in this ordinance or other ordinances on control of the quantities and rates of discharge of such waters or wastes. Plans, specification, and any

other pertinent information relating to proposed preliminary treatment facilities shall be submitted for approval of the Superintendent and of the Illinois Environmental Protection Agency, and no construction of such facilities shall be commenced until said approvals are obtained in writing.

Waste outlets on all kitchen sinks serving industrial, commercial, and institutional establishments handling, processing, or serving food, except those connected through food grinders, shall be connected through a grease interceptor which shall be so maintained as to permit a minimum of grease to enter the municipal sewer system. The requirement for grease interceptors shall be effective immediately as to the construction of new establishments. All other establishments now in existence affected by this ordinance requiring interceptors shall comply within three (3) years of the adoption of this ordinance.

**22.219 Determination by Board** – 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 22.217, and/or which are in violation of the standards for pretreatment provided in 40 CFR 403, June 26, 1978 and any amendments thereto, and which in the judgment of the 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 Board may:

1. reject the wastes

2. require pretreatment to an acceptable condition for discharge to the public sewers

3. require control over the quantities and rates of discharge; and/or

4. 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 Section 22.226.

If the Board permits the pretreatment of equalization of waste flows, the design and installation of the plants and equipment shall be subject to the review and approval of the Board and subject to the requirements of all applicable codes, ordinances, and laws.

**22.220 Grease Traps** – 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.

**22.221 Maintenance of Traps** – Where traps, interceptors, or preliminary treatment facilities are required to meet the requirements of Section 22.220, they shall be provided and maintained in a continuously satisfactory operating condition by the owner at his expense.

**22.222 Expense of Maintenance** – Where preliminary treatment or flow-equalizing facilities are provided, they shall be maintained continuously in satisfactory and effective operation by the owner at their expense.

**22.223 Septic Tank Waste** – It shall be unlawful for any person to empty septic tank waste from any septic tank truck into the municipal sewer system at any location other than those specifically designated in writing by the Superintendent, addressed to the person so emptying septic tank waste. No person shall empty dirt, mud, or grease from a septic tank truck or otherwise into any sewer of the Village or in any location where the same might upon rainfall, or otherwise enter the Village sewer system, nor shall any person wash or rinse out any septic tank truck in any storm drain, ditch, or creek within the Village limits or at any location where the wash water therefrom might, from drainage, enter the Village.

**22.224 Control Manholes** – New industrial construction, the use of which will generate other than domestic sewage, shall include installation of a control manhole and, when required by the Superintendent, 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 accessible and safely located, and shall be constructed in accordance with plans approved by the Superintendent. 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.

**22.225 Test Standards** – All measurement, 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 twenty-for (24) hour composites of all outfalls whereas pH's are determined from periodic grab samples.)

**22.226 Special Agreements** – No statement contained herein shall be construed as preventing any special agreement or arrangement between the Board and any industrial concern whereby an industrial waste of unusual strength or composition may be accepted by the Village for treatment, subject to payment therefor, as otherwise required herein.

**22.227 Permits Required** – Permits shall be required to discharge any industrial process water into the sewage system. Such permits shall be for an indeterminate period and shall be subject to modification or cancellation by the Village upon not less than six (6) months' notice. Such permits shall sate the maximum allowable concentration and quantities of industrial waste permitted by such additional restrictions as the Village shall place thereon. New permits shall be required for any change in concentration or quantities.

PROTECTION OF SEWAGE WORKS FROM DAMAGE

**22.228 Protection from Damage** – No unauthorized person shall maliciously, willfully, or negligently break, damage, destroy, or tamper with any structure, appurtenance, or equipment which is a part of the sewage works.

**Article III Fees**

**Division A. General**

**Division B. Water**

**Division C. Sewer**

**A. General Provisions: Bills, Enforcement, and Collection**

**22.A.301 Bills –**

1. Generally: Said rates or charges for service, including user charges, surcharges, and debt service charge, where applicable, 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 the premises, occupant and user of the services are jointly and severally liable therefor to the Village.

2. Mailing: Bills for water and sewer service shall be mailed or delivered to the residents by the Water and Sewer Department on or before the tenth ($10^{th}$) of each month.

3. (**ORD. 6-02-03)** Due Date – Late charge: All water and sewer bills are due on the last day of the month at 4:00pm after which, if payment is not made, a charge of ten percent (10%) will be added to the bill. If the last day of the month falls on a weekend or a holiday, bills will be due on the next business day at 8:00am.

4. Delinquent Charge: If said bill is paid more than five (5) days after the due date, an additional penalty of five dollars ($5.00) shall be assessed and shall be included as a part of the bill.

**22.A.302 Termination of Service – Delinquency:**

1. Generally: A water or sewer bill shall be deemed delinquent in the event said bill shall remain unpaid for more than five (5) days after the due date, as provided above, provided the bill shall have been mailed not less than ten (10) days prior to said due date.

Subject to the provisions for notice of delinquency and the opportunity for a hearing as provided hereafter, the Superintendent shall terminate or cause to be terminated the service to the customer for any such delinquency, at the premises involved or to any other premises to which the customer shall move. Prior to the termination or suspension of service, the Clerk shall give written notice to the

customer of 1. The delinquency; 2. The proposed termination of service; and 3. The procedure for disputing the delinquency and/or challenging the termination as unjustified. The notice required hereunder may be mailed by ordinary mail in the same manner as water bills are normally sent by the Village. In the event the customer fails to file with the Clerk a written request for hearing within seven (7) days of the date of the mailing of the notice of delinquency, said service shall be terminated or discontinued without further notice to said customer.

2. Sewer Disconnect Fee: A fee of one hundred dollars ($100.00) will be charged for a delinquency disconnect in which the sewer service is disconnected from the main line.

3. Hearing: The committee shall, upon the written request of a customer, hear and determine any dispute of a delinquent bill and/or challenge to termination of service. The committee shall give notice to the customer of the time and place of said hearing, which shall be scheduled within a reasonable time after the filing of the written request. The customer shall have the right to personally appear and present to the committee pertinent or relevant information concerning the dispute. The committee, after considering all pertinent information concerning the dispute, including reports or records of the Superintendent, shall make a written finding regarding the bill and shall deliver said finding to the customer or cause the same to be mailed to the customer in the same manner as other notices provided for in this section. The committee shall have the authority to determine whether the amount of the bill was correct, and if incorrect to adjust said bill accordingly or direct the Superintendent to make such additional investigation as is necessary to make an appropriate adjustment in the bill. The committee shall further notify the customer that any correct bill or adjusted bill shall be paid within seven (7) days of delivery or mailing of the finding and decision by the committee. If any bill, including any corrected or adjusted bill shall remain unpaid after said date, the Superintendent shall discontinue service without further notice to the customer.

**22.A.303 Lien:**

1. Lien – Notice of Delinquency: Whenever a bill for water and/or sewer service remains unpaid for forty-five (45) days after is have been rendered, the Village shall file with the County Recorder of Deeds a statement of lien claim. 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.

If the user whose bill is unpaid is not the owner of the premises and the Village has notice of this, notice shall be mailed to the

owner of the premises if his address be known to the Village, whenever such bill remains unpaid for the period of forty-five (45) days.

The failure of the Village 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.

2. 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 is 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 proceedings 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 (45) days.

**22.A.304 Civil Action –** In lieu of foreclosing said lien, the Village may sue the user in a civil action to recover the money due for said services, together with a reasonable attorney's fee as provided pursuant to Illinois Revised Statutes, Chapter 24, Section 11-139-8, or as otherwise allowed and provided by law.

**22.A.305 Revenues –** All revenues and monies derived from the operation of the combined waterworks and sewerage system shall be held by the Clerk separate and apart from other funds of the Village. All of the sums, without any deductions whatsoever, shall be deposited in the Water-Sewer Operation and Maintenance account or the water meter deposit fund account within five (5) days after the receipt of same, or at more frequent intervals as may from time to time be determined by the Board.

**22.A.306 Deposits – Treasurer:** The Treasurer shall receive the deposits receipts from all revenues from the combined waterworks and sewerage system and all funds and monies incident to the operation of the system, and the Treasurer shall administer the funds in the manner provided by law.

**22.A.307 Books and Records –** The Treasurer shall establish a proper system of accounts and shall keep proper books, records, and accounts in which complete and correct entries are made of all transaction relative to the combined waterworks and sewerage system.

**22.A.308 Accounts –** The Village 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 individually to each the water and sewerage system, and at regular annual intervals it shall cause to be made an audit by an independent auditing concern of the books to show the receipts and disbursements of the water and sewerage system.

In addition to the customary operating statements, the annual audit report shall also reflect the revenues and operating expenses of each the water and sewer facilities, including a replacement cost, to indicate that water and sewer service charges of each system do in fact meet these regulations. In this regard, the financial information to be shown in the audit report shall include the following:

1. Billing data to show total number of gallons billed

2. (**Deleted ORD. 1-15-16)**

3. Number of users connected to the water and sewer system.

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

**22.A.309 Notice of Rates –** A copy of this ordinance property certified by the Village Clerk shall be filed in the office of the Recorder of Deeds of Adams County and shall be deemed notice to all owners of real estate of the charges of the water and sewer system of said Village on their properties.

Each user will be notified at least annually by the Board in conjunction with a regular bill, of the rate and that portion of the user charges which are attributable to water and wastewater treatment services.

**22.A.310 Multiple Dwelling Units –** The owner of any trailer court, apartment building, or similar multiple dwelling units, shall be responsible for all water and wastewater service charges, and each separate unit (trailer, apartment, etc.) shall have separate meters and pay a separate water and wastewater service charge.

**22.A.311 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 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, and/or Federal Grant.

**22.A.312 Effective Date of Rates –** The rates and service charges established for user charges in this Chapter shall be in effect upon passage and publication of this ordinance, as provided by public law.

**22.A.313-19 Reserved**

**B. Water**

**22.B.320 (ORD. 12-98-99) Tap Fee – Permit:** A permit to tap a water main must be secured during normal working hours and approved a minimum of eight (8) normal working hours in advance of the work being

performed, from the Superintendent. The Clerk shall collect the tap permit fee prior to the issuance of any permits. **(ORD. 4-22-23)** The charge for a tap permit fee for a commercial enterprise with a 2" tap and the charge for a tap fee for residential purposes shall be the costs of parts and materials, and the Village shall pay for labor. The tap fee shall include or cover the costs not only for the water tap fee but also the sewer tap fee as provide in Section 22.C.341 (Sewer Taps and Tapping fees). The user shall be responsible for all expenses for the water service line from the user's property line to the user (excluding the cost of the meter). All taps, service lines, meter pits, curb stops, shut off valves, back flow devices, and other associated material and labor (including the meter) from the main to the user's property line shall be installed at the Village's expense. All meters larger than two (2) inches shall be compound meters purchased by the user and will become the property of the Village.

**22.B.321 (ORD. 9-23-24) Rates –** There are established metered rates for water service supplied by the waterworks system of the Village based upon the amount of water consumed, as shown by the water meters. The metered rates are set forth as follows:

Minimum User Charge - $10.00 per month

User Rate - $ 4.70 per 1000 gallons per month in addition to the Minimum User beginning May 1, 2019, and thereafter increasing to $4.30 per month effective May 1, 2024.

**(ORD. 15-21-22)** Users of the waterworks system located outside of the corporate limits of the Village shall pay two (2) times the rate for water usage as is paid by residents within the Village. This pertains to all classifications of users.

**(ORD. 2-23-24)** Every customer of user of the waterworks system, in addition to the rates established above, shall also pay the sum of $5.00 per month for the purchase, installation, maintenance, and use of the auto or radio meter reading equipment. The monthly fee for the purchase, installation, maintenance, and use shall expire on December 31, 2026, unless extended by the Village Board.

**22.B.322 (ORD. 12-16-17) Meter Deposits** – The Village shall furnish to resident owners water meters of proper size up to and including two-inch (2") meters upon receipt of the following deposit by the Clerk:

| Meter Size (inches) | Deposit |
|---|---|
| ¾ | $50.00 |
| 1 | $55.00 |
| 1 ½ | $60.00 |
| 2 or larger | $70.00 |

The Village shall furnish water meters to persons who rent or lease the premises for which service is supplied upon receipt of the following deposit by the Clerk:

| Meter Size (inches) | Deposit |
|---|---|
| ¾ | $100.00 |
| 1 | $105.00 |
| 1 ½ | $120.00 |
| 2 or larger | $160.00 |

The sums collected shall be kept in the water meter deposit fund account and in the event the users become delinquent, the deposit shall be used to apply to the payment of the delinquencies. If the applicant discontinues service, all deposits will be refunded subject to all water and sewer bills being paid in full. No deposit will be required if the applicant is a Village resident moving within the Village should the records show that the fee is still on deposit. Residents requiring additional services, for which they will become responsible, are required to pay the normal deposits unless no delinquent notices have been issued to that user in the past twelve (12) months.

All deposits are to be refunded within twenty-four (24) months unless more than two (2) late payments have been made by the user during that period.

No deposit shall be required when the Village is supplied with an acceptable written credit reference from a gas, electric, or water utility having supplied the potential user with any of those services in the past twelve (12) months. An acceptable credit reference shall state that the applicant has had no more than two (2) late payments and has not been delinquency disconnected in the past twelve (12) months.

**22.B.323 Payment –** The metered rates and charges for service are payable monthly at the office of the Water and Sewer Department.

**22.B.324 Reserved**

**22.B.325** A ten-dollar ($10.00) connection fee will be charged for all connects or reconnects or changes in service during normal working hours which requires either a visit to the user's property or a change in the user's billing address. If the service is connected or reconnected at the customer's request during a time other than normal working hours, the user shall pay a reconnection charge of fifty dollars ($50.00), in addition to all other charges and deposits as required by this ordinance prior to being reconnected. The decision to connect or reconnect service at other than normal working hours

shall be at the discretion of the Superintendent, and nothing herein shall require or create any duty by the Village to reconnect such services other than during its normal working hours. Disconnects during normal working hours are excluded from the connection fee except as stated in Section 22.B.326. Disconnects after normal working hours, made at the consumer's request, shall be subject to a fee of twenty dollars ($20.00).

**22.B.326 Termination of Services –**

1. Generally: If water service is disconnected for failure to pay for the service or for any reason other than the request of the user, there shall be a charge of Twenty-five dollars ($25.00) for turning off the service, and a charge of twenty-five dollars ($25.00) for reconnecting the service if connected or reconnected during the normal working hours for Village employees. Those fees fifty dollars ($50.00) will be assessed if payment is made at the time the Superintendent, or his designate, makes a trip to the user's property for the purpose of disconnection. If the service is connected or reconnected at the customer's request during a time other than normal working hours, the user shall pay a reconnection charge of one hundred dollars ($100.00), in addition to all other charges and deposits as required by this ordinance prior to being reconnected. The decision to connect or reconnect service at other than normal working hours shall be at the discretion of the Superintendent, and nothing herein shall require or create any duty by the Village to reconnect such services other than during its normal working hours.

2. Deposit – Delinquency Termination: Reconnection of a delinquent service shall be performed only under the direction of the Superintendent, or his authorized designate and only during the normal working hours, except as provided above. A discontinued service shall not be reconnected until all past due bills, current bills, penalties, and fees are paid in full. An additional deposit, equal to the highest monthly billing of the last twelve (12) months, shall be required by the Village and retained by the Village for two (2) years from the date of reconnection. No interest shall be paid on deposits required on behalf of the Village.

**22.B.327 Meter Testing –** A request for verification of meter accuracy by the user, resulting in a service call to the user's property by the Superintendent or employee of the water department, shall be subject to a fee of twenty-five dollars ($25.00). Should the metering unit be determined to be inaccurate, whereby the user is billed in excess of one- and one-half percent (1.5%) of actual water consumed, the service fee shall not apply, and appropriated billing adjustments shall be made by the Committee for the appropriate adjustment period, not exceeding six (6) months. Meter accuracy shall be determined by

qualified personnel selected by the engineering firm retained by the Village.

Service fee charges shall appear on the following months billing and the user shall be subject to all rights and penalties as provided under this ordinance.

**22.B.328 Effective Date –** The rates and service charges established for user charges shall be in effect upon passage and publication of this ordinance, as provided by public law.

**22.B.329 Disputed Charges –** The method for computation of rates and service charges established for users, shall be made available to a user within ten (10) days of receipt of written request for such. Any disagreement or dispute by the user shall be subject to appeal as provided in Section 22.A.302.3, above.

**22.B.330 –** Where the water consumers are still the owners of their meters, the property owners shall be charged and held liable for all water rents, charges, and benefits accruing by reason of the provisions of this chapter, and such charges are made liens against the premises where the water meters are installed.

**22.B.331-39 Reserved**

**C. Sewer**

**PRIVATE SEWAGE DISPOSAL**

**22.C.340 Permit Required – Private System –** Where a public sanitary or combined sewer is not available under the provisions of this Chapter the building sewer shall be connected to a private sewage disposal system complying with the ordinances, Rules and Regulations of the Adams County Board, Adams County Health Department, and State of Illinois Environmental Protection Agency after obtaining permits therefor.

Before commencement of construction of a private sewage disposal system the owner shall first obtain a written permit signed by the Superintendent. The application for such permit shall be made on a form furnished by the Village which the applicant shall supplement by the plans, specifications, and other information as deemed necessary by the Superintendent. A permit and inspection fee of fifty ($50.00) dollars shall be paid to the Village at the time the application is filed.

A permit for a private sewage disposal system shall not become effective until the installation is completed to the satisfaction of the Superintendent. The Superintendent shall be allowed to inspect the work at any stage of construction and, in any event, the applicant

for the permit shall notify the Superintendent when the work is ready for final inspection, and before any underground portions are covered. The inspection shall be made within eight (8) normal working hours upon the receipt of written notice by the Superintendent.

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

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

**22.C.341 Sewer Taps and Tapping Fees –** All taps into the sewers of the Village sewer system, other than at existing "y"s or connections, shall be made only by authorized sewer personnel upon direction of the Superintendent, except other qualified persons may make taps to the sewer upon receiving written permission from the Superintendent and installed under the direction of personnel appointed by the Village. Such permission for others to tap into the sewer system will be issued for each separate connection and shall be valid for one (1) connection only.

The applicant for sewer tap shall provide safe working space necessary to make a sewer tap.

**(ORD. 7-21-22)**

**22.C.342 Basis for Wastewater Service Charges –** The wastewater service charge for the use of and for service supplied by the wastewater facilities of the Village shall consist of a basic user charge for operation and maintenance plus replacement, applicable surcharges, monthly minimum user charge and debt service charge.

The basic user charge shall be based on water usage as recorded by water meter and/or sewage meters for wastes having the following normal domestic concentrations:

1. A five-day, 20 degrees centigrade (20 degree C) biochemical oxygen demand (BOD) of 200mg/l.

2. A suspended solids (SS) content of 220mg/l.

3. An ammonia nitrogen content of 15mg/l.

It shall consist of operation and maintenance costs plus replacement and shall be computed as follows:

1. Estimate wastewater volume, pounds of SS, pounds of BOD, and pounds of NH3-N to be treated.

2. Estimate the projected annual revenue required to operate and maintain the wastewater facilities, including a replacement fund for the year, for all works categories.

3. Proportion the estimated OM&R costs to each user class by volume, suspended solids, BOD, and MH3-N.

4. Proportion the estimated operation, maintenance, and replacement (OM&R) costs to wastewater facility categories by volume, suspended solids, BOD, and NH3-N.

5. Compute costs per 1000 gal. for normal sewage strength.

6. Compute surcharge costs per pound per 1000 gal. in excess of normal sewage strength for BOD, SS, and NH3-N.

A surcharge will be levied to all users whose waters exceed the normal concentrations for BOD (200mg/l); S.S. (220mg/l) and recorded by water meters and/or sewage meters for all wastes which exceed BOD 220mg/l; S.S. 220 mg/l, and NH3-N 15mg/l. Section 22.C.351 specifies the procedure to compute a surcharge.

The adequacy of the wastewater service charge shall be reviewed annually by Certified Public Accountants. The wastewater service charge shall be revised periodically to reflect a change in debt service, operation and maintenance costs, replacement costs and reserve fund costs.

The users of wastewater treatment services will be notified annually, in conjunction with a regular bill, of the rate and that portion of the user charges which are attributable to the wastewater treatment operation, maintenance, and replacement.

**22.C.343 Measurement of Flow –** The volume of flow used for computing basic user charges and surcharges shall be the metered water consumption read to the lowest even increments of one hundred (100) gallons.

This section also describes the procedure to be used in calculating the monthly user charges, where there is an excessive use of water due to a break in the service main, where there is a malfunction or stoppage of the meter, where there is no reading of water meters during the winter season, and where there is a consumptive use of water by the user.

1. If the person discharging wastes into the public sewers procures any part, or all, of his water from sources other than the Village, 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.

2. Devices for measuring the volume of waste discharged may be required by the Superintendent if these volumes cannot otherwise be determined from the metered water consumption records.

3. 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 cancelled, without the consent of the Superintendent.

4. The monthly user charge for residential, industrial, and commercial contributors, that have a water service main break that causes excessive flow, which is not returned to the wastewater collection system, will be based upon an average of water used during the past six (6) months, as determined from water meter readings by the Village.

5. The monthly user charge for all residential, industrial, and commercial contributors, that have a malfunctioning or broken meter, will be based upon an average of water used during the past six (6) months as determined from water meter readings by the Village.

6. The monthly user charge for all residential, industrial, and commercial contributors, whose meters are not read monthly during the winter season, will be based upon the average amount of water used during the previous six (6) months, and that amount will be used until the meter is read again, when an adjustment will be made in the charges based on the actual current reading.

7. If a residential, commercial, or industrial contributor has a consumptive use of water, or in some other manner uses water which is not returned to the wastewater collection system, the user charge for that contributor may be based on a wastewater meter or separate water meter installed and maintained at the contributor's expense, and in a manner acceptable to the Village.

**22.C.334 (ORD 1-15-16) Rates –** There are established metered rates for use and service supplied by the Wastewater facilities of the Village for sewerage services based upon the Measurement of Flow as shown by the water meters (or sewerage meter if applicable and/or required by the Code).

The metered rates are set forth as follows:

Basic User Charge - $ 12.00 per month

Basic User Rate - $ 1.50 per 1000 gallons per month in addition to the Basic User Charge.

**22.C.345 Meter Required –** Where there are sewer connections with the sewerage system of the Village and users of such connections are not users of the water from the system, then the user of such connections shall install at the user's expense a sewerage meter approved by the

Superintendent, of sufficient accuracy to measure one-sixtieth (1/60) of one (1) cubic foot of sewerage per second, or in lieu thereof, where there is a private water system or systems used on the premises, to install at user's expense a water meter or meters approved by the Superintendent with an outside reading device; the readings of the water meter shall then be taken in lieu of the sewerage disposal meter readings; and to pay each month period for such sewerage connection using a rate prescribed in this Chapter of the Village Code.

**22.C.346 Meter Required –** Combined Service Connection Plus Private Water System: Where the user used the combined services of the waterworks and sewerage systems and in addition thereto maintains and uses a private force-feed water system on the premises such that the water meter connected to the combined system will not register the total volume of water consumed on the premises, then the user shall at his own expense install a sewerage meter approved by the Superintendent, of sufficient accuracy to measure one-sixtieth (1/60) of one (1) cubic foot of sewerage per second, or in lieu thereof, shall install an additional water meter or meters on the private force-feed system, approved by the Superintendent with an outside reading device; the readings of the additional water meter, together with the readings of the water meter connected to the system, shall then be taken in lieu of the sewerage disposal meter reading.

**22.C.347 Deposit – Sewer System Use Only:** Owners or renters of properties that are connected to the Village Sewer system but are not connected to the Village water system shall pay a deposit of fifteen dollars ($15.00). The sums collected shall be kept in the delinquent, the deposit shall be used to apply to the payment of all associated delinquency charges. If the applicant files notice to discontinue service, the deposit will be refunded if all sewer charges are paid.

All deposits are to be refunded within twenty-four (24) months unless more than two (2) late payments have been made by the user during that period.

No deposit shall be required when the Village is supplied with an acceptable written credit reference from a gas, electric, or water utility having supplied potential user with any of those services in the past twelve (12) months. An acceptable credit reference shall state that the applicant has had no more than two (2) late payments and has not been delinquency disconnected in the past twelve (12) months.

**22.C.349 Computation of Wastewater Service Charge –** The wastewater service charge shall be computed by the following formula

CW = CD + CM + CU (Vu) + CS

Where CW = Amount of waste service charge ($) per billing period

CD = Debt Service Charge (22.C.348)

CM = Minimum Charge for Operation, Maintenance, and Replacement (22.C.344)

Vu = Wastewater Volume for the billing period

CU = Basic User Rate for Operation, Maintenance, and Replacement (22.C.344)

CS = Amount of Surcharge (22.C.351)

**22.C.350 Surcharge Rate –** The rates of surcharge for BOD, SS, and NH3-N shall be as follows:

$0.1016/lb. of BOD5 in excess of 200mg/l.

$0.1011/lb. of SS in excess of 220mg/l.

$0.1169/lb. of NH3-N in excess of 15mg/l.

**22.C.351 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 Superintendent and shall be binding as a basis for surcharges. The wastewater surcharge shall be computed by the following formula:

S = V (0.000834[A (BOD5 – 200) + B (S.S. – 220) + C (NH3-N – 15)])

Where: S = amount of surcharge in dollars

V = wastewater volume in hundred gallons

BOD5 = 5-day Biochemical Oxygen Demand, mg/l

A = unit charge for BOD5 per lb. ($0.1016)

200 = allowable BOD5 strength

B = unit charge for S.S. per lb. ($0.1011)

S.S. = Suspended Solids, mg/l

220 = allowable S.S., mg/l

C = unit charge of NH3-N per lb. ($0.1169)

NH3-N = Ammonia-Nitrogen, mg/l

15 = allowable Ammonia-Nitrogen, mg/l

## Article IV Cross-Connection Controls

**22.401 Cross-Connection Control – General Policy**

1. Purpose: The purpose of these Rules and Regulations are:

a. To protect the public water supply system from contamination or pollution by isolating within the customer's water system contaminates or pollutants which could backflow through the service connection into the public water supply system.

b. To promote the elimination or control of existing cross-connections, actual or potential, between the public or consumer's potable water system and non-potable water systems, plumbing fixtures and sources or systems containing substances of unknown or questionable safety.

c. To provide for the maintenance of a continuing program of cross-connection control which will prevent the contamination or pollution of the public and consumer's potable water systems.

2. Application: These Rules and Regulations shall apply to all premises served by the public potable water supply system of the Village of Camp Point.

3. Policy: The owner or official custodian shall be responsible for protection of the public water supply system from contamination due to backflow or back-siphonage of contaminants through the customer's water service connection. If, in the judgment of the Superintendent or his authorized representative, an approved backflow prevention device may be necessary for the safety of the public water supply system, the Superintendent shall give notice to the consumer to cause an inspection to be performed in accordance with Section 22.405 hereof. If upon such inspection a backflow prevention device is necessary for the safety of the public water supply system, the Superintendent shall give notice to the consumer to install such approved backflow prevention device at each service connection to the premises. The consumer shall immediately install such approved device or devices at his own expense; failure, refusal, or inability on the part of the consumer to install such device or devices immediately shall constitute grounds for discontinuing water service to the premises until such device or devices have been installed. The consumer shall retain record of installation, maintenance, testing, and repair as required in Section 22.405(4)(d) below for a period of at least five (5) years.

**22.402 Definitions –** The following definitions shall apply in the interpretation and enforcement of this Article:

1. "Fixed proper air gap" means the unobstructed vertical distance through the free atmosphere between the water discharge point and the flood level rim of the receptacle.

2. “Agency” means Illinois Environmental Protection Agency.

3. “Approved” means backflow prevention devices or methods approved by the Research Foundation for Cross-Connection Control of the University of Southern California, American Water Works Association, American National Standards Institute, Association of State Sanitary Engineers (ASSE) or certified by the National Sanitation Foundation.

4. “Auxiliary water system” means any water source or system on or available to the premises other than the public water supply system and includes the water supplied by the system. These auxiliary waters may include water from another purveyor’s public water supply system; or water from a source such as wells, lakes, or streams, or process fluids; or used water. These waters may be polluted or contaminated or objectionable or constitute a water source or system over which the water purveyor does not have control.

5. “Backflow” means the flow of water or other liquids, mixtures, or substances into the distribution pipes of a potable water system from any source other than the intended source of the potable water supply.

6. “Backflow prevention device” means any device, method, or type of construction intended to prevent backflow into a potable water system. All devices used for backflow prevention in Illinois must meet the standards of the Illinois Plumbing Code and the Illinois Environmental Protection Agency.

7. “Consumer” or “Customer” means the owner, official custodian, or person in control of any premises supplied by or in any manner connected to a public water system.

8. “Consumer’s water system” means any water system located on the customer’s premises. A building plumbing system is considered to be a customer’s water system.

9. “Contamination” means an impairment of the quality of the water by entrance of any substance to a degree which could create a health hazard.

10. “Cross-connection” means any physical connection or arrangement between two (2) otherwise separate piping systems, one (1) of which contains potable water and the other a substance of unknown or questionable safety or quality, whereby there may be a flow from one (1) system into the other.

11. “Cross-Connection Control Device Inspector” means a plumber who holds an Illinois Plumbing License issued in accordance with Ill. Rev. Stat., ch.111, sec.1103(1), as now or hereafter amended, and who has successfully completed any written or performance examinations as

required and/or described in the Illinois Administrative Code, as now or hereafter amended, including specifically, the provisions of 35 Ill. Administrative Code 653.802(d)(1) (D-F).

12. "Direct cross-connection" means a cross-connection formed when a water system is physically joined to a source of unknown or unsafe substance.

13. "Indirect cross-connection" means a cross-connection through which an unknown substance can be forced, drawn by vacuum, or otherwise introduced into a safe potable water supply.

14. "Double check valve assembly" means an assembly composed of single, independently acting check valves approved under ASSE Standard 1015. A double check valve assembly must include tight shutoff valves located at each end of the assembly and suitable connections for testing the watertightness of each check valve.

15. "Health Hazard" means any condition, device or practice in a water system or its operation resulting from a real or potential danger to the health and well-being of consumers. The word "severe" as used to qualify "health hazard" means a hazard to the health of the user that could be expected to result in death or significant reduction in the quality of life.

16. "Inspection" means a plumbing inspection to examine carefully and critically all materials, fixtures, piping, appurtenances, appliances, and installations of a plumbing system for compliance with requirements of the Illinois Plumbing Code, 77 Ill. Adm. Code 890.

17. "Non-potable water" means water not safe for drinking, personal or culinary use as determined by the requirements of 35 Ill. Adm. Code 604.

18. "Plumbing" means the actual installation, repair, maintenance, alteration, or extension of a plumbing system by any person. Plumbing includes all piping, fixtures, appurtenances, and appliances for a supply of water for all purposes, including without limitation lawn sprinkler systems, from the source of a private water supply on the premises or from the main in the street, alley, or at the curb to, within and about any building or buildings where a person or persons live, work, or assemble. Plumbing includes all piping, from discharge of pumping units to and including pressure tanks in water supply systems. Plumbing includes all piping, fixtures, appurtenances, and appliances for a building drain and a sanitary drainage and related ventilation system of any building or buildings where a person or persons live, work, or assemble from the point of connection of such building drain to the building sewer or private sewage disposal system five (5) feet beyond the foundation walls.

19. "Pollution" means the presence of any foreign substance (organic, inorganic, radiological, or biological) in water that tends to degrade its quality so as to constitute a hazard or impair the usefulness of the water.

20. "Potable water" means water which meets the requirements of 35 Ill. Adm. Code 604 for drinking, culinary, and domestic purposes.

21. "Potential Cross-Connection" means a fixture or appurtenance with threaded hose connection, tapered spout or other connection which would facilitate extension of the water supply line beyond its legal termination point.

22. "Process fluid(s)" means any fluid or solution which may be chemically, biologically, or otherwise contaminated or polluted in a form or concentration such as would constitute a health, pollution, or system hazard if introduced into the public or a consumer's potable water system. This includes, but is not limited to:

a. polluted or contaminated waters

b. process waters

c. used water originating from the public water supply system which deteriorate in sanitary quality

d. cooling waters

e. questionable or contaminated natural waters taken from wells, lakes, streams, or irrigation systems

f. chemicals in solution or suspension

g. oils, gases, acids, alkalis, and other liquid and gaseous fluids used in industrial or other processes or for firefighting purposes.

23. "Public water supply" means all mains, pipes, and structures through which water is obtained and distributed to the public, including intakes and cribs, pumping stations, treatment plants, reservoirs, storage tanks, and appurtenances, collectively or severally, actually used or intended for use for the purpose of furnishing water for drinking or general domestic use and which serve at least fifteen (15) service connections or which regularly serve at least twenty-five (25) person at least sixty (60) days per year. A public water supply is either a "community water supply" or a "non-community water supply."

24. "Reduced pressure principle backflow prevention device" means a device containing a minimum of two (2) independently acting check valves together with an automatically operated pressure differential relief valve located between the two (2) check valves and approved under Association of State Sanitary Engineers (ASSE) Standard 1013.

During normal flow and at the cessation of normal flow, the pressure between these two (2) checks shall be less than the supply pressure. In case of leakage of either check valve, the differential relief valve, by discharging to the atmosphere, shall operate to maintain the pressure between the check valves at less than the supply pressure. The unit must include tightly closing shutoff valves located at each end of the device, and each device shall be fitted with properly located test cocks.

25. "Service connection" means the opening, including all fittings and appurtenances, at the water main through which water is supplied to the user.

26. "Survey" means the collection of information pertaining to a customer's piping system regarding the location of all connections to the public water supply system and must include the location, type and most recent inspection and testing date of all cross-connection control devices and methods located within the customer's piping system. The survey must be in written form and should not be an actual plumbing inspection.

27. "System Hazard" means a condition through which an anesthetically objectionable or degrading material not dangerous to health may enter the public water supply system or a customer's potable water system.

28. "Used water" means any water supplied by a public water supply system to a consumer's water system after it has passed through the service connection and is no longer under the control of the water supply official custodian.

29. "Water purveyor" means the owner of official custodian of a public water system.

**22.403 Water System**

1. The water system shall be considered as made up of two parts, the public water supply system and the consumer's water system.

2. The public water supply system shall consist of the source facilities and the distribution system and shall include all those facilities of the potable water system under the control of the Superintendent up to the point where the consumer's water system begins.

3. The source shall include all components of the facilities utilized in the production, treatment, storage, and delivery of water to the public water supply distribution system.

4. The public water supply distribution system shall include the network of conduits used to deliver water from the source to the consumer's water system.

5. The consumer's water system shall include all parts of the facilities beyond the service connection used to convey water from the public water supply distribution system to points of use.

**22.404 Cross-Connection Prohibited**

1. Connections between potable water systems and other systems or equipment containing water or other substances of unknown or questionable quality are prohibited except when and where approved cross-connection control devices or methods are installed, tested and maintained to insure proper operation on a continuing basis.

a. No physical connection shall be permitted between the potable portion of a supply and any other water supply not of equal or better bacteriological and chemical quality as determined by inspection and analysis by the Agency.

b. There shall be no arrangement or connection by which an unsafe substance may enter a supply.

**22.405 Survey and Investigation**

1. The consumer's premises shall be open at all reasonable times to the approved cross-connection control device inspector for the inspection of the presence or absence of cross-connections within the consumer's premises, and testing, repair, and maintenance of cross-connection control devices within the consumer's premises.

2. On request by the Superintendent, or his authorized representative, the consumer shall furnish information regarding the piping system or systems, or water use within the customer's premises. The consumer's premises shall be open at all reasonable times to the Superintendent for the verification of information submitted by the cross-connection control device inspector or consumer to the public water supply custodian regarding cross-connection inspection results.

3. It shall be the responsibility of the water consumer to arrange annual surveys of water use practices on his premises to determine whether there are actual or potential cross-connections to his water system through which contaminants or pollutants could backflow into his or the public potable water system. All cross-connection control or other plumbing inspections must be conducted in accordance with Ill. Rev. Stat. 1983, Ch. 111, par 1103(1).

4. It is the responsibility of the water consumer to prevent backflow into the public water system by ensuring that:

a. All cross-connections are removed; or approved cross-connection control devices are installed for control of backflow and back-siphonage.

b. Cross-connection control devices shall be installed in accordance with the manufacturer's instructions.

c. Cross-connection control devices shall be inspected at the time of installation and at least annually by a person approved by the Agency as a cross-connection control device inspector (CCCDI). The inspection of mechanical devices shall include physical testing in accordance with the manufacturer's instructions.

d. Testing and records:

1. Each device shall be tested at the time of installation and at least annually or more frequently if recommended by the manufacturer.

2. Records submitted to the community public water supply shall be available for inspection by Agency personnel in accordance with Ill. Rev. Stat. 1983, Ch. 111-1/2 par. 1004(e).

3. Each device shall have a tag attached listing the date of most recent test, name of CCCDI and type and date of repairs.

4. A maintenance log shall be maintained and include:

a. date of each test

b. name and approval number of person performing the test

c. test results

d. repairs or servicing required

e. repairs and date completed

f. servicing performed and date completed

**22.406 Where Protection is Required**

1. An approved backflow device shall be installed on all connections to the public water supply as described in the Illinois

Plumbing Code, 77 Ill. Adm. Code 890 and Illinois Environmental Protection Agency Technical Policy Statements 35 Ill. Adm. Code 653. In addition, an approved backflow prevention device shall be installed on each service line to a consumer's water system serving premises where actual or potential hazards to the public water supply system exist.

2. An approved backflow prevention device shall be installed on each service line to a consumer's water system serving premises where the following conditions exist:

a. Premises having an auxiliary water supply unless such auxiliary supply is accepted as an additional source by the Superintendent and the source is approved by the Agency.

b. Premises on which any substance is handled which can create an actual or potential hazard to the public water supply system. This shall include premises having sources or systems containing process fluids or water originating from the public water supply system which are no longer under sanitary control of the Superintendent.

c. Premises having internal cross-connections that, in the judgement of the approved cross-connection control device inspector, are not correctable or intricate plumbing arrangements which make it impractical to determine whether or not cross-connections exist.

d. Premises where, because of security requirements or other prohibitions or restrictions, it is impossible or impractical to make a complete cross-connection survey.

e. Premises having a repeated history of cross-connections being established or re-established.

3. An approved backflow prevention device shall be installed on each service line to a consumer's water system serving, but not necessarily limited to, the following types of facilities unless the Superintendent determines that no actual or potential hazard to the public water supply system exist:

a. Hospitals, mortuaries, clinics, nursing homes.

b. Laboratories

c. Piers, docks, waterfront facilities

d. Sewage treatment plants, sewage pumping stations or storm water pumping stations.

e. Food or beverage processing plants

f. Chemical processing or storage facilities, including, but not limited to, facilities for storage or application of chemicals, herbicides, pesticides, or similar substances

g. Metal plating industries

h. Petroleum processing or storage plants

i. Radioactive material processing plants or nuclear reactors

j. Car washes

k. Restaurants or establishments involving public food preparation

**22.407 Type of Protection Required**

1. The type of protection required under Section 22.406 (1) (2) and (3) of these regulations shall depend on the degree of hazard which exists as follows:

a. An approved fixed proper air gap separation shall be installed where the public water supply system may be contaminated with substances that could cause a severe health hazard.

b. An approved fixed proper air gap separation or an approved reduced pressure principle backflow prevention device shall be installed where the public water supply system may be polluted with substances that could cause a pollution hazard not dangerous to health.

2. The typed of protection required under Section 22.406 (2) (d) of these regulations shall be an approved fixed proper air gap separation or an approved reduced pressure principle backflow prevention device.

3. Where a public water supply or an auxiliary water supply is used for a fire protection system, reduced pressure principle backflow preventers shall be installed on fire sprinkler systems connected to the public water supply when:

a. the sprinkler system contains antifreeze

b. water is pumped into the system from another source

c. there is a connection whereby another source can be connected to the sprinkler system

**22.408 Backflow Prevention Devices**

1. All backflow prevention devices or methods required by these rules and regulations shall be approved by the Research Foundation for Cross-Connection Control of the University of Southern California,

American Water Works Association, American Society of Sanitary Engineering or American National Standards Institute or certified by the National Sanitation Foundation to be in compliance with applicable industry specification.

2. Installation of approved devices shall be made in accordance with 35 Ill. Adm. Code 653.802, and only as specified by the Research Foundation for Cross-Connection Control of the University of Southern California or applicable industry specification. Maintenance as recommended by the manufacturer of the device shall be performed. Manufacturer's maintenance manual shall be available on-site.

**22.409 Inspection and Maintenance**

1. It shall be the duty of the consumer at any premises on which backflow prevention devices required by these regulations are installed to have inspection, tests, maintenance, and repair made in accordance with the following schedule or more often where inspections indicate a need or are specified in manufacturer's instructions.

a. Fixed proper air gap separations shall be inspected and tested for property vertical distance separation at time of installation and at least annually thereafter.

b. Double check valve assemblies shall be inspected and tested for tightness at time of installation and at least annually thereafter and required service performed within fifteen (15) days.

c. Reduced pressure principle backflow prevention devices shall be tested at the time of installation and at least annually or more frequently if recommended by the manufacturer and required service performed within five (5) days.

2. Testing shall be performed by a person who has been approved by the Agency as competent to service the device. Proof of approval shall be in writing.

3. Each device shall have a tag attached listing the date of most recent test or visual inspection, name of tester and type and date of repairs.

4. A maintenance log shall be maintained and include:

a. date of each test or visual inspection

b. name and approval number of person performing the test or visual inspection

c. test results

d. repairs or servicing required

e. repairs and date completed

f. servicing performed and date completed

5. Whenever backflow prevention devices required by these regulations are found to be defective, they shall be repaired or replaced at the expense of the consumer without delay.

6. Backflow prevention devices shall not be bypassed, made inoperative, removed, or otherwise made ineffective without specific authorization by the Superintendent.

**22.410 Booster Pumps**

1. Where a booster pump has been installed on the service line to or within any premises, such pump shall be equipped with a low-pressure cut-off device designed to shut-off the booster pump when the pressure in the service line on the suction side of the pump drops to twenty (20) pounds per square inch (psi) or less.

2. It shall be the duty of the water consumer to maintain a low-pressure cut-off device in proper working order and to certify to the Superintendent, at least once a year, that the device is operable.

**22.411 Violations**

1. Discontinuance of Service: The Superintendent shall deny or discontinue, after reasonable notice to the occupants thereof, the water service to any premises wherein any backflow prevention device required by these regulations is not installed, tested, maintained, and repaired in a manner acceptable to the Superintendent, or if it is found that the backflow prevention device has been removed or bypassed, or if an unprotected cross-connection exists on the premises, or if a low pressure cut-off required by these regulations is not installed and maintained in working order.

2. Restoration of Service: Water service to such premises shall not be restored until the consumer has corrected or eliminated such conditions or defects in conformance with these regulations and to the satisfaction of the Superintendent and a required reconnection fee is paid.

3. Discontinuance Without Notice: Water service to any premises may be cancelled without notice to any party to prevent actual or anticipated contamination or pollution of the public water supply, provided that, in the reasonable opinion of the Superintendent of the Agency, such action is required to prevent actual or potential contamination or pollution of the public water supply.

4. Village Not Liable for Service Termination: Neither the Village, the Superintendent, or its agents or assigns shall be liable to any customer of the Village for any injury, damages or lost revenues which may result from termination of said customers' water

supply in accordance with the terms of this ordinance, whether or not said termination of the water supply was with or without notice.

5. Notice of Violation: Notwithstanding anything herein to the contrary, any person, firm, or corporation alleged to have violated those provisions of this Article dealing with survey and investigation (22.405) or inspection and maintenance (22.409) may be served with a "Notice of Violation" specifying said violation. Such notice shall be in such form as is specified or provided by the Village and shall set forth the alleged violation, and the penalty that may be paid to the Village Treasurer for such violation. The penalty for violations of any of the provisions of said sections 22.405 or 22.409 of this Article shall be twenty-five dollars ($25.00). In the event any person, firm, or corporation is alleged to have violated the provisions of Section 22.405 (1), (2), or (3), or Section 22.409 (1) of this Article, the minimum penalty specified above shall be increased by the sum of twenty-five dollars ($25.00) for each and every violation occurring within the twelve months preceding the current violation. The person, firm, or corporation served with such a notice of violation shall be provided fourteen (14) days from the date of the notice of violation to pay the prescribed penalty. If not paid within such fourteen (14) day period, such person, firm, or corporation shall be allowed an additional fourteen (14) days to pay the prescribed penalty plus a sum equal to the court costs which would be assessed by the circuit court upon a conviction for such violations. The additional sum shall not be deemed to be or constitute the collection of court costs but is merely the manner in which such additional sum is determined. Collection of the additional sum may be waived by the Superintendent upon receiving satisfactory proof or evidence that the notice of violation was not actually received during the initial fourteen (14) day period for payment of the penalty. Prior to the initial or additional time designated for payment herein, the Superintendent shall further have the authority to waive collection of the prescribed penalty for alleged violations of Sections 22.405 or 22.409 of this Article, upon satisfactory proof that the person, firm, or corporation has complied or is in compliance with the requirements of said sections. In the event payment is made in accordance herewith, such payment shall be in full satisfaction of any penalty for such violation. Nothing herein, however, shall prevent or preclude enforcement as provided or allowed by this Article or law for separate, independent, prior, or subsequent violations. In the event payment is not made within the time periods prescribed, that is, within twenty-eight (28) days, a complaint, notice to appear, citation, or other appropriate document shall be filed by the Village before a court of proper jurisdiction charging such violation.

**ARTICLE V**

**GENERAL PROVISIONS**

**22.501 License Required –** No person shall engage in the work or business of a plumbing contractor on property other than his own, either as a master or employing plumber, or a journeyman plumber, without first having obtained a certificate from a duly qualified Board of Examiners of the State of Illinois.

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

**22.503 Right of Access for Operation and Maintenance –** Employees of the water works, and sewage system shall have the right of access to any premises served by the system for the purpose of reading meters or for the purpose of making inspections and/or repairs in order to maintain the system in good condition and provide for the protection and efficient management thereof. Where such inspections are not of an immediate or urgent nature, employees of the Village shall arrange for appointments mutually convenient to the occupants of the premises served and the Village. The requirement for appointment shall not apply in any event for regular, periodic reading of meters. Any person refusing the right to permit the Village employees right of access to the subject premises shall be subject to termination of utility services until the required opportunity to inspect, maintain, or repair is provided to the Village.

**22.504 Entry of Easements –** In addition to the right of access provided above, the Superintendent and other duly authorized agents of the Village bearing proper credentials 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 work lying within said easement. All entry and subsequent work, if any, on said easement, shall be done in full accordance with the terms of eh duly negotiated easement pertaining to the private property involved.

**22.505 Discontinuance of Service –** In addition to such other specific grounds for termination or discontinuance of service as provided in this ordinance, the Village retains and reserves the right to discontinue water or sewer services for reasonable cause, provided prior notice of at least twenty-four (24) hours shall be given, if practical. Prior notice shall not be considered practical, if the delay occasioned by such notice would create or impose an imminent and substantial endangerment to the safety, health, or welfare of the public.

"Reasonable Cause"' as used herein, shall include, but not be limited to the following:

1. Delinquency: For non-payment of a delinquent bill owed to the Village as provided under this ordinance, and subject to the provisions of Article III, Division A, hereof.

2. Waste: For willful or indifferent waste of water due to any cause.

3. Injury: For failure to protect from injury or damage any meter or service connection, or for failure to maintain a user's service pipe or fixtures on the property of the customer in a condition satisfactory to the water department. Meter damage –the consumer shall be liable for any injury to the water meter on his premises occasioned by lack of ordinary care on his part. Any meter requiring repairs due to damage from freezing or violence or from heat shall be repaired by the water department at the consumer's expense. The water department reserves the right to cancel and discontinue water service to consumers who refuse or neglect to pay such repair bills.

4. Tampering: For molesting or tampering by the user, or other persons with the knowledge of the user, to any meter, connection, service pipe, curb stop, seal, or any other appliances of the water or sewer system controlling or regulating the user's supply.

5. Access: For failure to provide the agents or employees of the Village or the State of Federal Environmental Protection Agencies free and reasonable access to the premises supplied, as required by this ordinance, or for obstructing the way of ingress to the service pipes, fixtures, meters, or other appliances, controlling, or regulating the user's water or sewer service.

6. Abandonment: In case of abandonment of the premises serviced.

7. Annexation: For failure to honor an annexation obligation relative to the premises or property whether executed by the customer or a predecessor in title, or otherwise failing to annex to the Village pursuant to this ordinance.

8. Selling: For selling or giving away water or granting privileges to anyone to use water or sewer services not specifically included in the accepted application.

9. Cross-connection: If the owner or occupant of the premises for which a cross-connection has been discovered fails or refuses to break the connection, or otherwise install a proper cross-connection control device as required by this ordinance. (See Article IV)

10. Harmful Contributions: To prevent or stop actual or threatened discharges into the water or sewer system which present or may present an imminent and substantial endangerment to the environment or to the safety, health, or welfare of the public, or which causes or would cause the Village to violate any condition of its NPDES permit.

**22.506 Service to Non-Residents – Annexation:** New service (including reconnection of any service previously disconnected, whether voluntary or involuntary) outside of the corporate limits of the Village shall not be extended unless a petition is filed by the owner (and such other necessary persons) of the premises to be served, to immediately annex said premises to the Village, if contiguous to the Village. If the premises to be served are not contiguous, at the time of the application for service, such service shall not be extended unless a petition, annexation covenant or other appropriate documents are duly executed and delivered obligating any present or future owners (or occupants) of the premises to annex to the Village, once said premises shall become contiguous. It shall be a condition for the extension and/or continuation of any such service, that the owner (or occupants) execute and deliver such additional plats, documents, or instruments as are necessary to complete any such required annexation.

**22.507 Penalty:**

1. Generally: Except as otherwise provided, any person who violates any of the provisions of this ordinance, shall, in addition to such other relief as the law may provide, be punished by a fine of not less than twenty-five dollars ($25.00) nor more than five hundred dollars ($500.00). Each day that any violation hereof occurs or continues shall be deemed a separate offense.

2. Tampering, Intentional Damage: Any person who shall tamper with any meter equipment or who shall willfully or maliciously break, damage, or destroy any meter equipment, shall be punished by a fine of five hundred dollars ($500.00). In addition to such fine, and in addition to such other relief as the law may provide, any such person shall be liable for any and all restitution as may be established for the unmetered water and/or sewer use, or services obtained as a result of such tampering, breakage, damage, or destruction. Each day that

any violation of this section occurs or continues shall be deemed a separate offense.

**ORD. 9-90-91 Summary of Charges and Fees:**

22.112 p.5 Bond for opening any public street: $5000.00

22.A.301.3 p.25 Late payment charge 10% (if not paid by the last day of the month).

22.A.301.4 p.25 Delinquent charge $5.00 (if not paid by the 6th Of each month, in addition to the 10% late payment charge).

22.A.302.2 p.26 Sewer delinquency

Disconnect fee $100.00

22.B.320 p.29 Water main tap permit fees

| Main size | fee |
|---|---|

| | | | |
|---|---|---|---|
| | | ¾ inch | $45.00 |
| | | 1 inch | $65.00 |
| | | >1 inch | $100.00 |

22.B.321 p.29 Water billing rates

| | |
|---|---|
| Minimum user charge | $6.50 |
| User charge $2.20 per 1000 gallons | |
| Outside village limits | Two (2) times |
| Hydrant rental | $24.00/year/hydrant |

22.B.322 p.29 Meter deposits

| Meter size | Owner | Renter |
|---|---|---|
| ¾ inch | $30.00 | $75.00 |
| 1 inch | $35.00 | $45.00 |
| 1.5 inch | $40.00 | $60.00 |
| >2 inch | $50.00 | $100.00 |

Fully refundable after 24-month period with if no more than 2 late payments

Deposits waived with acceptable utility credit reference. No more than 2 late payments and not delinquency disconnected in past 12 months.

22.B.325 p.30 Water connection fee

| | |
|---|---|
| Normal working hours | $10.00 |

For all connects, reconnects, changes in service, or billing address changes except for nondelinquent disconnects (or customer requested disconnects)

After normal working hours connection or reconnection

| | |
|---|---|
| Fee | $50.00 |

p.31 Disconnect fees – Customer requested

| | |
|---|---|
| Normal working hours | $ No Charge |
| After normal working hours | $20.00 |

22.B.326 p.31 Delinquency Fees

Normal working hours

| | |
|---|---|
| Disconnect Fee | $10.00 |

Reconnect Fee $10.00

$20.00 paid even if water is not shut off but a trip is made to the user's property.

After normal working hours

Disconnect Fee $10.00

Reconnect Fee $50.00

Delinquency disconnects must pay:

1. All past due bills

2. Current bill to date

3. All penalties and fees

(Late payment, disconnect, reconnect, etc.)

4. Normal deposit

(If not already on deposit)

5. Additional deposit

(Amount equal to the highest bill of the past 12 months)

22.B.327 p.31 Meter Testing Fee

To verify accuracy of meter

No charge if meter is recording higher than 101.5%

22.B.340 p.33 Private sewage disposal system permit and inspection fee $50.00

22.C.341 p.34 Sewer Tap Fees

8"main or less $40.00

10"main $50.00

12"main $50.00

15"main $100.00

18"main $100.00

21"main or larger $100.00

22.C.344 p.36 Basic User Rate $1.10 per 1000 gallons

Basic User Charge $3.06 per month

22.C.347 p.37 Sewer Deposit $15.00

(For Sewer users only)

Fully refundable after 24-month periods

Period with no more than 2 late payments

Deposit waived with acceptable utility credit

reference – No more than 2 late payments and not

delinquency disconnected in past 12 months.

| | | | |
|---|---|---|---|
| 22.C.348 | p.53 | Annexation Requirement | |
| | | Annexation is required for all newly connected or reconnected (whether voluntary or involuntary) | |
| | | Water and sewer users if contiguous to the Village | |
| | | If not contiguous. An annexation covenant is required that states the user will voluntarily annex whenever | |
| | | the property is contiguous | |
| 22.507 | p.53 | Ordinance violation penalties | $25.00 - $500.00 |
| | | Meter tampering fine | $500.00 |

01-11-91DHA

**Water and Sewer Billing Cycle Summary**

September 1 – Meter Reading Date

October 1 – Meter Reading Date

October 10 – Water and Sewer Bills Sent in Mail

October 31 – Due Date for all Water and Sewer Bills

November 1 – Late Payment Charges Assessed to all Unpaid Water and Sewer Accounts

November 6 – Delinquent Charges Assesses to all Unpaid Water and Sewer Accounts and Delinquent Notices Sent

November 14 – All Delinquent Accounts are Disconnected Unless Written Requests are Filed for a Hearing on the Delinquent Account

November 25 – Village File with County Recorder of Deeds a Statement of Lien Claim on any Account Unpaid After 45 Days from when it was Rendered

If the Unpaid Account is from a Renter and the Village has Notice of this, then the Owner of the Premises shall be Notified (If His Address is Known)

In Lieu of Foreclosing on a Lien, the Village may Sue the User in a Civil Action

12-17-90DHA

**Appendix No. 1**

**Sewer Pipe Materials and Installation**

1.01 Pipe Materials – Approved Building Sewer Materials are as follow:

1. Cast iron soil pipe, ASTM specification A74-75.

2. Concrete pipe (culverts, storm drain, and sewer – reinforced), ASTM specification C76-79.

3. Asbestos cement non-pressure small diameter sewer pipe, ASTM specification C644-78.

4. Extra strength vitrified clay pipe, ASTM specification C700-78.

5. Polyvinyl chloride (PVC) plastic drain, waste, and vent pipe, ASTM specification D2662-78.

6.Acrylonitrile-Buadiene-Styrene (ABS) plastic drain, waste, and vent pipe, ASTM specification D2661-78.

Or other suitable materials in accordance with the most recent edition of the Illinois State Plumbing Code and approved by the Superintendent. If the building sewer is installed in filled or unstable ground, the building sewer shall be of cast iron soil pipe, except that non-metallic may be accepted if laid on a suitable concrete bed or cradle as approved by the Superintendent.

1.02 Jointing Materials-Approved building sewer pipe joint are as follows:

1. Cast iron pipe shall have mechanical or rubber ring (slip seal) or push-on joints per ANSI A 21.11 (AWWA C111).

2. Concrete pipe joints shall conform to ASTM specification D443 for flexible gasket material.

3. Asbestos-Cement sewer pipe joints shall conform to ASTM specification D1869 rubber rings. Rings from one manufacturer shall not be interchanged with pipe form another manufacturer.

4. Vitrified clay pipe joints shall conform to ASTM specification C425. Plain end vitrified clay pipe shall be with P bell material conforming to ASTM C1784 and flexible gasket meeting ASTM C425 specifications.

5. Polyvinyl chloride (PVC) sewer pipe joints shall be solvent welded joints per ASTM specification D2855 or flexible elastomeric seals per ASTM D3212.

6. Acrylonitrile-Butadiene-Styrene (ABS) composite sewer pipe joints shall conform to ASTM specification C2680 for solvent welded (SC) or mechanical joint compressed “O” ring (OR) type conforming to ASTM D3212 for flexible elastomeric seals.

1.03 Building sewer and water main and/or service separation shall be as follows:

1. Normal Conditions – Any sanitary sewer or building sewer shall be located at least 10 feet horizontally from water mains, whenever possible; the distance shall be measured from edge to edge.

2. Unusual Conditions – When local conditions prevent a horizontal separation of 10 feet, a building or sanitary sewer may be laid closer to a watermain provided that:

a. The bottom of the watermain is at least 18 inches above the top of the sewer.

b. Where this vertical separation cannot be obtained, the sewer shall be constructed of materials and with joints that are equivalent to watermain standards of construction for 10 feet measured perpendicular on either side of the water main.

1.04 Size and Slope – Building sewers and fittings shall be six (6) inches (150mm) in diameter, unless otherwise specified, but in no event shall the diameter be less than six (6) inches for a distance of fifty (50) feet (15.25 meters) from the sanitary sewer to the building sewer. The slope of such 6-inch pipe shall not be less than one-eighth (1/8) inch per foot (1%), or greater than one-quarter (1/4) inch per foot (2%).

1.05 Installation – All excavations required for the installation of a building sewer shall be open trench work unless otherwise approved by the Superintendent. Pipe bedding, installation, and backfill shall be performed in accordance with ASTM Specification C12-77, or ASTM Specification D2321-74 for Flexible Thermoplastic Sewer Pipe. No backfill shall be placed until the work has been inspected and approved by the Superintendent.

1.06 Pipe Connections – All connections between dissimilar pipes, and/or pipe sizes, shall be made gastight and watertight using appropriate fittings, or flexible couplings with stainless steel adjustable clamps.

Other materials may be used only by approval of the Superintendent.

1.07 Connection to Public Sewer – The connection of the building sewer into the public sewer shall be made at the "Y" branch which was provided for the building sewer at time of construction of the public sewer. If the public sewer is twelve (12) inches in diameter or less, and no properly located "Y" branch is available, the owner may at this expense install a "Y" branch in the public sewer at the location specified by the Superintendent, or the owner may tap such public sewer and install a saddle, at such location as the Superintendent shall specify, to be firmly affixed to the public sewer by a heavy cast iron clamp or the use of an epoxy resin after first having cut a clean hole in the public sewer no larger than the interior diameter of such building sewer. In no event shall any portion of the building sewer or any appliance to tap the same into the public sewer extend beyond the interior wall of the public sewer.

APPENDIX 2

PRIVATE SEWAGE DISPOSAL APPLICATION

To the Village of Camp Point, Illinois

A. THE UNDERSIGNED, being the _____

(Owner, Owner's Agent)

Of the property located at _____

Number Street

DOES HEREBY REQUEST a permit to install sanitary sewage disposal facilities to serve the _____ at said

(Residence, Commercial Building, etc.)

location.

1. The proposed facilities include: _____

_____

to be constructed in complete accordance with the plans and specifications attached hereunto as Exhibit "A."

2. The area of the property is _____ square feet (or _____ square meters).

3. The name and address of the person to be served by the proposed facilities is: _____

4. The maximum number of persons to be served by the proposed facilities is: _____

5. The locations and nature of all sources of private or public water supply within the one hundred (100) feet (30.5 meters) of any boundary of said property are shown on the plat attached hereunto as Exhibit "B".

B. In consideration of the granting of this permit, THE UNDERSIGNED AGREES:

1. To furnish any additional information relating to the proposed work that shall be requested by the _____.

2. To accept and abide by all the provisions of the Approving Authority's Sewer Ordinance (Chapter 22) of the Village of Camp Point and of all other pertinent ordinances or regulations that may be adopted in the future.

3. To operate and maintain the wastewater disposal facilities covered by this application in a sanitary manner at all times, in compliance with all requirements of the Village of Camp Point and at no expense to the Village of Camp Point.

4. To notify the Superintendent at least twenty-four (24) hours prior to commencement of the work proposed, and again at least twenty-four (24) hours prior to the covering of any underground portions of the installation.

DATE: _____ SIGNED: _____

(Applicant)

_____

(Address of Applicant)

$_____ inspection fee paid.

_____

Certification by Village Treasurer

Application approved and permit issued:

DATE: _____ SIGNED: _____

(Approving Authority)

RESIDENTIAL OR COMMERCIAL BUILDING SEWER CONNECTION APPLICATION

To the Village of Camp Point, Illinois

The undersigned, being the _____ of the property,
(Owner, Owner's Agent)

Located at _____ does
(Number) (Street)

Hereby request a permit to install and connect a building sewer to serve the _____

(Residence, Commercial Building, etc.)

at said location.

1. The following indicated fixtures will be connected to the proposed building sewer:

| Number | Fixtures | Number | Fixtures |
|---|---|---|---|
| _____ | Kitchen Sinks | _____ | Water Closets |
| _____ | Lavatories | _____ | Bathtubs |
| _____ | Laundry Tubs | _____ | Showers |
| _____ | Urinals | _____ | Garbage Grinders |

Specify other fixtures: _____

2. The maximum number of persons who will use the above fixture is _____.

3. The name and address of the person or firm who will perform the proposed work is: _____

_____

4. Plans and specifications for the proposed building sewer are attached hereunto as Exhibit "A".

In consideration of the granting of this permit, the undersigned agrees:

1. To accept and abide by all provisions of the Sewer Ordinance (Chapter 22) of the Village of Camp Point, and of all other pertinent ordinances or regulations that may be adopted in the future.

2. To maintain the building sewer at no expense to the Village of Camp Point.

3. To notify the Superintendent when the building sewer is ready for inspection and connection to the public sewer, but before any portion of the work is covered.

Date _____ Signed _____

(Applicant)

$ _____ inspection fee paid _____

(Address of Applicant)

Application approved and permit issued: _____

Certification by Village Clerk

Date _____ Signed _____

Superintendent

INDUSTRIAL BUILDING SEWER CONNECTION APPLICATION

To the Village of Camp Point, Illinois

The undersigned being the _____ of the
(Owner, Lessee, Tenant, etc.)
property located at _____
_____ does hereby request a permit to _____
(Install, Use)
connection serving the _____, which company is
(Name of Company)
engaged _____
_____ at said location.

1. A plat of the property showing accurately all sewers and drains now existing is attached hereunto as Exhibit "A".

2. Plans and specifications covering any work proposed to be performed under this permit is attached hereunto as Exhibit "B".

3. A complete schedule of all process waters and industrial wastes produced or expected to be produced at said property, including a description of the character of each waste, the daily volume and maximum rates of discharge, and representative analyses, is attached hereunto as Exhibit "C".

4. The name and address of the person or firm who will perform the work covered by this permit is _____

_____.

Consideration of the granting of this permit, the undersigned agrees:

1. To furnish any additional information relating to the installation or use of the industrial sewer for which this permit is sought as may be requested by the Superintendent.

2. To accept and abide by all provisions of the Sewer Ordinance (Chapter 22), of the Village of Camp Point and of all other pertinent ordinances or regulations that may be adopted in the future.

3. To operate and maintain any waste pre-treatment facilities, as may be required as a condition of the acceptance into the public sewer of the industrial wastes involved, in an efficient manner at all times, and at no expense to the Village of Camp Point.

4. To cooperate at all times with the Superintendent and his representatives in their inspecting, sampling, and study of the industrial wastes, and any facilities provided for pre-treatment.

5. To notify the Superintendent immediately in the event of any accident, negligence, or other occurrence that occasions discharge to the public sewers of any wastes or process waters not covered by this permit.

Date _____ Signed _____

(Applicant)

$ _____ inspection fee paid Address _____

Application approved and permit granted:_____

Certification by Village Clerk

Date: _____ Signed _____

Superintendent

APPENDIX 3 USER CHARGE ORDINANCE

(Actual Use Rate Structure)

This appendix presents the methodology to be used in calculating user charge rates and surcharges and illustrates the calculations followed in arriving at the first year's user charges and surcharges. The unit costs established in this appendix are based on estimates of expenses and loadings. The actual expenses and loadings that occur may differ from these estimates and certainly they will change as time passes. Therefore, the unit costs must be reestablished whenever necessary to reflect actual expenses and loadings. Once the system is in use, the expenses and loadings can be determined from operating records and the unit costs can be adjusted based on these figures.

1. ENGINEERING-ACCOUNTING DATA

A. Number of users by class:

| | |
|---|---|
| Residential | 417 |
| Commercial | 24 |
| Institutional/Governmental | 2 |
| Total | 443 |

B. Billable flow and loading by user class:

| | Annual Billable Flow | BOD (lbs./year) | SS (lbs./year) | NH3-N (lbs./year) |
|---|---|---|---|---|
| Residential | 24,456,000 | 34,715 | 39,546 | 2,684 |
| Commercial | 7,300,000 | 11,811 | 13,455 | 913 |
| Institutional/Governmental | 444,000 | 718 | 818 | 56 |
| Total Billable Flow | 29,200,000 | 47,244 | 53,819 | 3,653 |
| Infiltration/Inflow | 27,000,000 | 43,686 | 59,765 | 3,377 |
| Total Loading | 56,200,000 | 90,930 | 103,585 | 7,030 |

Note: The initial hydraulic loading is estimated to be 56,200,000 gal. per year, based upon water readings and tests measured at the influent and effluent structures.

The water readings have been checked and they are estimated to be 29,200,000 gal. per year.

The infiltration-inflow of clean water entering the sewer system has been measured at 73,973 gpd and is estimated to be 27,000,000 gal. per year of 48% of the total hydraulic loading.

C. Loading concentrations by suer class:

| | BOD (mg/l) | SS (mg/l) | NH3-N (mg/l) |
|---|---|---|---|
| Residential | 194 | 221 | 15 |
| Commercial | 194 | 221 | 15 |
| Institutional/Governmental | 194 | 221 | 15 |

Waste loading concentrations are based upon the following concentrations:

| Item | Sewerage | I/I | Average |
|---|---|---|---|

| | | | |
|---|---|---|---|
| BOD5 Strength Influent | 225 ppm | 162 ppm | 194 ppm |
| Suspended Solids Strength Influent | 240 ppm | 201 ppm | 221 ppm |
| NH3-N Influent | 15 ppm | 15 ppm | 15 ppm |

2. Expenses: The total annual expenses associated with the treatment works, as defined in Article I, Paragraph 1.08 – 1.11, are estimated as follows:

| Item | Annual Expense |
|---|---|
| A. Fixed Expenses | |
| General Office Salary | $ 3,000 |
| Office Supplies and Printing | 300 |
| Telephone | 200 |
| Legal | 300 |
| Postage | 400 |
| Insurance | 2,215 |
| Total Fixed Expenses | $ 6,415 |
| B. Operation, Maintenance, and replacement Costs | |
| Pumping power and expenses | $ 7,720 |
| Purification power and expenses | 10,500 |
| Collection, Materials, and Supplies | 1,700 |
| Salary of Superintendent | 8,000 |
| Meter reading labor | 1,000 |
| Replacement Costs | 11,865 |
| Miscellaneous | 300 |
| Total Operation, Maintenance, and Replacement | $ 41,085 |

TOTAL FIXED EXPENSES AND OPERATION, MAINTENANCE & REPLACEMENT COSTS: $ 47,500

3. DEBT SERVICE

Debt service and bond reserve $ 37,156

Table 1

Village of Camp Point, Illinois

Detail Breakdown – Operating, Maintenance, and Replacement Costs

Projected

| Pumping | | Sewer |
|---|---|---|
| Power | | $ 5,120 |
| Shop Supplies | | 500 |
| Maintenance | | 1,800 |
| New Equipment Supplies | | 150 |
| Telemetry Line Lease | | 150 |
| TOTAL Pumping Costs | | $ 7,720 |
| Purification | | |
| Power | | $ 7,800 |
| Supplies | | 200 |
| Maintenance | | 2,000 |
| Laboratory and Analysis | | 500 |
| TOTAL Purification Costs | | $ 10,500 |
| Collection | | |
| Materials and Supplies | | $ 600 |
| Maintenance, Contracted Cleaning | | 500 |
| Truck, Fuel | $ 600 | |
| TOTAL Collection Costs | $ 1,700 | |
| Other Operational and Replacement Costs | | |
| Salary of Superintendent | $ 8,000 | |
| Meter Reading Labor | $ 1,000 | |
| Replacement Costs | 11,000 | |
| Miscellaneous | 300 | |
| TOTAL Other Operational and Replacement Costs | | $ 21,165 |
| Total Operation, Maintenance, and Replacement | | $ 41,085 |

Table 2

Calculation of Replacement Costs

| Item No. | Description | Life (Yrs.) | Est. Cost* | Annual Rep. Costs |
|---|---|---|---|---|
| 1. | Aeration Equipment | 20 | 31,000 | 1,550 |
| 2. | Control Building | 25 | 47,150 | 1,886 |
| 3. | Disinfection Equipment | 20 | 20,000 | 1,500 |
| 4. | Flow Measuring Equipment | 20 | 8,600 | 430 |
| 5. | Sand Filters | 20 | 30,000 | 1,500 |
| 6. | Irrigation Pump Station | 20 | 9,100 | 455 |
| 7. | Irrigation Eqpt/Controls | 20 | 25,000 | 1,250 |
| 8. | Existing Lift Station | 20 | 18,300 | 915 |
| 9. | Main Lift Station | 20 | 20,000 | 1,000 |
| 10. | Laboratory Equipment | 10 | 5,000 | 500 |
| 11. | Inflation (8% per annum) | | | 879 |
| | Total Annual Replacement Costs | | | $11,865 |

*Include 7.01933% Contingencies

4. DEBT SERVICE CHARGE:

The Village of Camp Point plans to finance the Village's portion of the total sewerage project cost by issuing Waterworks and Sewerage Revenue Bonds in the amount of $335,000; the tentative interest rate has been set at 10.715 per cent per annum for a period of twenty-six and six tenths years. Actual payments for the principle and interest of the bond issue are estimated to average $37,156 per year. Interest payments will be made the first two years, with the balance going into the existing Bond Reserve Fund.

The Debt Service Charge will be applied to all users discharging wastes and will be calculated by dividing the total debt service charge by the total number of users. $37,156/433 users = $83.88 per user annually or $83.88/12 months = $6.99 – say $7.00 per month.

5. ALLOCATION OF EXPENSES:

The total operation and maintenance including replacement expenses and debt service is allocated to the appropriate pollutants in the following manner.

Annual $ to Treat Annual Flow = 50% annual cost allocated to flow x (total annual budget, minus fixed expenses, debt service and bond reserve, and infiltration and inflow)

Annual $ to Treat Annual BOD = 22.5% annual cost allocated to BOD x (total annual budget, minus fixed expenses, debt service and bond reserve, and infiltration and inflow)

Annual $ to Treat Annual SS = 25.5% annual cost allocated to SS x (total annual budget, minus fixed expenses, debt service and bond reserve, and infiltration and inflow)

Annual $ to Treat Ammonia Nitrogen = 2% annual cost allocated to NH3-N x (total annual budget, minus fixed expenses, debt service and bond reserve, and infiltration and inflow)

6. UNIT OPERATION & MAINTENANCE COSTS

Initial unit cost for flow in $/1000 gallons = Annual $ to treat wastewater flow/Estimated annual wastewater hydraulic loading = $10,682.10/29,200 = $0.3658

Initial unit cost for BOD in $/lb. = annual $ to tear annual BOD/ Estimated annual BOD loading = $9,244.13/90,930 = $0.1016

Initial unit cost for SS in $/lb. = Annual $ to treat annual SS/Estimated annual SS loading = $10,476.68/103,585 = $0.1011

Initial unit cost for NH3-N in $/lb. = Annual $ to treat annual NH(3)-N/Estimated annual NH3-N loading = $821.70/7,030 = $0.1169

The unit costs for BOD, SS, and NH3-N are shown in Article VIII Paragraph 8.05.

7. O M & R COSTS BY CLASS (exclusive of costs for debt service):

| | |
|---|---|
| Residential | $22,943.96 |
| Commercial | 7,806.25 |
| Institutional/Governmental | 474.79 |
| TOTAL O M & R COSTS | 31,225.00 |

8. BASIC USER CHARGES AND RATES

| | |
|---|---|
| Basic User Charge (per unit volume) | $ 1.10/1000gal. |
| Minimum User Charge (if applicable) | $ 3.06/month |
| Debt Service Charge | $ 7.00/month |
| Surcharge Rates for BOD (per/lb.) | $ 0.1016 |
| Surcharge Rates for SS (per/lb.) | $ 0.1011 |

Surcharge Rates for NH3-N (per/lb.) $ 0.1169

9. BASIC USER RATE:

Average strength waste will have a BASIC USER CHARGE per 1000 gallons as follows:

A. Hydraulic 50% : $ 0.3658 per 1000 gallons

B. BOD 22.5% : 0.3264 per 1000 gallons or $0.1016/lb.

C. SS 22.5% : 0.3572 per 1000 gallons or $0.1011/lb.

D. ND3-N 2% : 0.0281 per 1000 gallons or $0.1169/lb.

E. Total $1.0775 per 1000 gallons

This total basic user charge is shown in Article VIII Paragraph 8.03 of the Ordinance. Calculations for the various charges are as follows:

1. Volume: $10,682.10/yr./29,200 gal = $0.3658/1000 gallons

2. BOD: 56,200 gal/yr.*/29,200 gal/yr. x 1000gal.x200ppmx8.34ppgx$0.1011409 = $0.3264

3. SS: 56,200 gal/yr.* / 1000galx220ppmx8.34ppgX$0.1011409 = $0.3572

4. NH3-N: 56,200 gal/yr.* / 29,200 gal/yr. x 1000galx15ppmx8.34ppgx$0.1168848 = $0.0281

*Conversion factor which accounts for the difference between projected 1981 Billable Consumption on 29.2 MGY and the total wastewater seen at the treatment plant of 56.2 MGY.

10. MINIMUM USER CHARGE

Fixed Expenses

| | |
|---|---|
| Administrative Expenses | $ 6,415 |
| Infiltration/Inflow Treatment Expense (48% x Flow Cost of $20,542.50) | 9,860 |
| TOTAL FIXED EXPENSES | $16,275 |

$16,275 / 443 = $36.74 per year / 12 = $3.06 per month

11. DEBT SERVICE CHARGE

$37,156 / 443 users = $83.87 per year / 12 = $7.00 per month

(See paragraph 4 above for explanation of Debt Service)

12. ESTIMATED REVENUE BY USER CLASS (Exclusive of revenue for debt service.)

| Computation | User Rate | User Charge | Total |
|---|---|---|---|
| Residential: 21,456gal.x$1.10 = | $23,602 | | |
| 417 users x 12mo. X $3.06 = | | $15,312 | |
| Total: | | | $38,914 |
| Commercial: 7,300gal.x $1.10 = | $8,030 | | |
| 24 users x 12mo. X $3.06 = | | 881 | |
| Total: | | | $8,911 |
| Institutional: 444 x $1.10 = | $488 | | |
| 2 users x 12mo. X $3.06 = | | 73 | |
| Total: | | | $561 |
| TOTAL ESTIMATED REVENUE | | | $48,386 |

13. EXAMPLE CALCULATION OF MONTHLY SERVICE CHARGE

An example calculation of a monthly service charge for a resident of the Village of Camp Point, using 4,000 gallons per month is as follow:

| | | |
|---|---|---|
| Debt Service Charge | $7.00 | |
| Minimum User Charge | 3.06 | |
| Basic User Rate (4 x $1.10) | 4.40 | |
| Total Service Charge for 4,000 Gal. Per Mo. Usage | | $14.46 |