

**VILLAGE OF PECATONICA, ILLINOIS
MUNICIPAL CODE
ARTICLE TEN
SEWERS AND DRAINS**

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Chapter One Definitions

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

- A. Basic User Charge: The assessment levied on all users of the public sewer system for operation, maintenance and replacement expenses.
- B. BOD: the term ~~BOD~~ (denoting Biochemical Oxygen Demand) shall mean quantity of oxygen utilized in the biochemical oxidation of organic matter under the laboratory procedure in five (5) days at 20 degrees C, expressed in milligrams per liter (mg/L).
- C. Building Drain: shall mean that part of the lowest horizontal piping of the 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, beginning five feet (5') outside the inner face of the building wall.
- D. Building Sewer: shall mean the extension from the building drain to the public sewer or other place of disposal.
- E. Clerk: where used herein, shall mean the Village Clerk of Pecatonica or her authorized agent.
- F. Combined Sewer: shall mean a sewer which receives wastewater, storm, surface and ground water drainage.
- G. Commercial User: transit, lodging, wholesale and retail establishments or places engaged in selling merchandise or rendering services.
- H. Debt Service Charge: the amount to be paid each billing period for payment of principal and interest costs of all outstanding sewerage revenue bonds.
- I. Easement: an acquired legal right for specific use of the land owned by others.
- J. Effluent Criteria: are defined in any applicable ~~NPDES Permit~~
- K. Float able Oil: oil, fat or grease in a physical state such that it will separate by gravity from wastewater by treatment in an approved pretreatment facility. A wastewater shall be considered free of float able fat if it is properly pre-treated and the wastewater does not interfere with the collection system.

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- L. Garbage: shall mean solid wastes from the domestic and commercial preparation, cooking and dispensing of food, and from handling, storage and the sale of food.
- M. Incompatible Pollutant: any pollutant which is not compatible pollutant as defined herein.
- N. Industrial User: establishments engaged in manufacturing activities involving the mechanical or chemical transformation of materials of substance into products.
- O. Industrial Wastes: 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.
- P. Major Contributing Industry: any industrial user of the publicly owned treatment works that meet any of the following criteria:
 - 1. Has a flow of fifty thousand (50,000) gallons or more per average work day.
 - 2. Has a flow greater than ten percent (10%) of the flow carried by the Village sewerage system.
 - 3. Has in its waste, a toxic pollutant in toxic amounts as defined in standards issued under Section 307(a) of the Federal Act.
 - 4. Is found by the permit issuance authority, in compliance with the issuance of an NPDES (National Pollutant Discharge Elimination System) permit to the publicly owned treatment works receiving the waste, to have significant impact, either singly or a combination with other contributing industries, in that treatment works or upon the quality of the effluent from the treatment works.
- Q. Milligrams Per Liter: a unit of concentration of water or wastewater constituent. It is one-thousandth (0.001) gram of the constituent in one-thousand (1000) milliliters of water. It has replaced the unit formerly used commonly, parts per million, to which it is approximately equivalent in reporting the results of wastewater analysis.
- R.. NPDES Permit: any permit or equivalent document or requirements issued by the Environmental Protection Agency, after enactment of the Federal Clean Water

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

- S. Natural Outlet: any outlet into a watercourse, pond, ditch, lake or other body of surface or groundwater.
- T. Person: any or all persons, natural or artificial, including any individual firm, company, municipal or private corporation, association, society, institution, enterprise, governmental agency or other entity.
- U. pH: the logarithm of the reciprocal of the hydrogen ion concentration.
- V. Population Equivalent: is a term used to evaluate the impact of industrial or other waste on the treatment works or stream. One population equivalent is 100 gallons of sewage per day, containing 0.17 pounds of BOD and 0.20 pounds of suspended solids.
- W. PPM: parts per million by weight.
- X. Pretreatment: the treatment of wastewater from sources before introduction into the wastewater treatment works.
- Y. Properly Shredded Garbage: the wastes from the preparation, cooking and dispensing of food that has been shredded to such a degree that all particles will be carried freely under flow conditions normally prevailing in public sewers, with no particle greater than one-half inch (2 ") in dimension.
- Z. Public Sewer: 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 sewer system, even though those sewers may not have been constructed with Village Funds.
- AA. Replacement: expenditures for obtaining and installing equipment, accessories or appurtenances which are necessary during the useful 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.
- BB. Residential User: all dwelling units such as houses, mobile homes, apartments, permanent multi-family dwellings.

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- CC. Sanitary Sewer: a sewer which conveys sewage or industrial wastes or a combination of both, and into which storm, surface and groundwater are not intentionally admitted.
- DD. Sewage: used interchangeably with ~~A~~wastewater@
- EE. Sewage Treatment Plant: any arrangement of devices and structures for treating sewage. Used interchangeably with ~~A~~wastewater treatment plant@
- FF. Sewerage: the system of sewers and appurtenances for the collection, transportation and pumping of sewage.
- GG. Sewerage Fund: The principle accounting designation for all revenues received in the operation of the waterworks and/or sewerage system. These revenues shall be segregated so that water system revenues shall be credited to the waterworks account and revenues of the sewerage system shall be credited to the sewerage fund.
- HH. Shall/May: ~~A~~shall@is mandatory, ~~A~~may@is permissible.
- II. Slug: 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 flows during normal operation.
- JJ. SSCM: where used herein shall mean the Village of Pecatonica Standard Specifications and Construction Manual for Water and Sanitary, which can be changed by Board motion at any time.
- KK. Standard Methods: The examination and analytical procedures set forth in the most recent edition of ~~A~~Standard Methods for Examination of Water and Wastewater@ published jointly by the American Public Health Association, American Water Works Association and the Water Environment Federation.
- LL. Storm Drains/Storm Sewer: A sewer that carries storm, surface and groundwater drainage, but excludes sewage and industrial wastes other than unpolluted cooling water.
- MM. Storm Water Runoff: That portion of the precipitation that is drained into the sewers.
- NN. Superintendent: The Superintendent or Director of Public Works of the Village of Pecatonica or an authorized agent or representative.

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- OO. Surcharge: The assessment in addition to the debt service charge, the fixed administrative service charges and the basic user charge which is levied on those persons whose wastes are greater in strength than the concentration values established for average strength sewage as defined herein.
- PP. Suspended Solids: Solids that either float on the surface of, or are suspended 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.
- QQ. Unpolluted Water: Water of a quality equal to or better than the effluent criteria in effect of water that would not cause a violation of the receiving water quality standards and would not be benefited by discharge to the sanitary sewers and wastewater treatment facility.
- RR. Useful Life: The estimated period during which the collection system and/or treatment works will be operated.
- SS. User Charge: The charge levied to users of treatment works for the cost of operation, maintenance and replacement.
- TT. User Class: The type of user, residential, institution/governmental, commercial or industrial as described herein.
- UU. Wastewater: The spent water of a community. From this standpoint, of course, it may be a combination of the liquid and water-carried wastes for the residences, commercial buildings, industrial plants and institutions, together with any ground water, surface water and storm water that may be present.
- VV. Wastewater Facilities: The structures, equipment and processes required to collect, carry away and treat domestic and industrial wastes and transport effluent to a watercourse.
- WW. Wastewater Service Charge: The charge per quarter or monthly levied on all users of the wastewater facilities. The service charge shall consist of the total of a debt service charge, a basic user charge, and a surcharge where applicable.
- XX. Wastewater Treatment Works: An arrangement of devices and structures for treating wastewater, industrial wastes and sludge. Sometimes used as synonymous with ~~A~~Sewage Treatment Plant@ ~~A~~Wastewater Treatment Plant@
- YY. Watercourse: A channel in which a flow of water occurs, either continuously or intermittently.

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- ZZ. Water Quality Standards: Are defined in the Water Pollution Regulations of the State of Illinois.

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Chapter Two Application for Sewer Service Connection

- A. Any consumer desiring sewer service shall make application with the Clerk's Office at the Village Hall, using the forms provided.
- B. Such application shall be reviewed by the Superintendent and/or the Mayor and no such permit shall be issued unless the Superintendent shall find the provisions of this Code will be complied within making such connection and, if applicable, a valid Building Permit has been issued.
- C. A sewer permit can only be issued upon demonstration that the downstream sewerage facilities, including sewers, pump stations and wastewater treatment facilities, have sufficient reserve capacity to adequately and efficiently handle the additional anticipated waste load.
- D. A Sewer Service Connection Form Application is required for new service connections and a sewer service connection permit is valid for one (1) year.
 - 1. The sewer connection permit time frame may be extended for a period not exceeding six (6) months with an additional twenty-five percent (25%) fee based on the current Sewer Service Connection Fee.
- E. Permits for the construction and/or hookup shall be obtained from the Illinois Environmental Protection Agency when required.

Chapter Three Street Openings

- A. All excavations for building sewer line installation shall be adequately guarded with barricades and lights in accordance with Illinois Department of Transportation standards so as to protect the public from hazard.
- B. Streets, sidewalks, parkways and other public property disturbed in the course of work shall be restored to its original condition before the excavation.
- C. No excavations in any Village street, sidewalk, parkway or other public property shall be made by any person, corporation or entity without prior written permission by the Superintendent or in his absence, the Village President. Said written permission may be given for commencement for the same day or next following weekday, when it shall expire.

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Chapter Four Connections

Section 1 Connection Requirements

- A. The connection of any drain or pipe with the Village sewer system shall be made under the direction of the Superintendent.
- B. The connection and materials used for connections and pipes for drains from the buildings or structures to sewers shall conform to the SSCM.
- C. Any deviation from the prescribed procedures and materials must be approved by the Superintendent.
- D. No unauthorized person shall uncover, make any connections with or opening into, use, alter or disturb any public sewer or appurtenance thereof without first obtaining a written permit from the Village.
- E. Notice shall be given to the Superintendent 48 hours prior to digging.
- F. The applicant for the building sewer line shall notify the Superintendent when the building sewer line is ready for inspection and connection to the public sewer main.

Section 2 Connection Fees (Revised: Ord. 2000-2-1)

- A. A connection fee shall be paid for each connection to any sewer line of the Village of Pecatonica which are connected to or lead to the treatment plant of the Village of Pecatonica.
- B. The fee shall be payable to the Village of Pecatonica, paid by the owner of the real estate to be connected to the sewer lines, and be paid at the time of the request for any water or sewer connection permit or building permit which requires such utility.
- C. A separate connection fee will be paid for each single family residence, duplex, multi-family unit, commercial building, industrial building and any other buildings or dwellings which are to be connected to the sewer treatment facilities.
- D. Connection fees for a single family residence shall be Two Thousand Dollars (\$2000.00).

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- E. Connection fees for multi-family, commercial and industrial buildings shall be based on the Population Equivalent (PE) of the full occupied building.
1. Population Equivalent (PE) is a term used to evaluate the impact of industrial or other waste on a treatment works.
 2. One Population Equivalent is 100 gallons of wastewater per day, containing 0.17 pounds of BOD and 0.20 pounds of suspended solids.
 3. The fee for each PE of the fully occupied building shall be Five Hundred and Seventy-one dollars and forty-three cents (\$571.43).
 4. The industrial or commercial enterprise shall submit to the Village of Pecatonica documentation describing its wastewater constituents, characteristics and projected discharge quantities. The Village of Pecatonica shall evaluate said materials and determine the appropriate fee for each connection on an individual basis.
 5. If sampling of said commercial or industrial enterprise subsequent to the commencement of normal operations indicates higher loadings than were documented in the permit application, the Village of Pecatonica shall have the authority to assess additional connection charges to reflect actual loadings to the treatment works.
- F. Duplex building connection fees shall be equivalent to two (2) single family residence connection fees which total shall be Four Thousand Dollars (\$4000.00).
- G. Multi-family connection fees for buildings other than duplexes shall be based on an average residency rate of 2.5 persons (PE) per occupied unit.
- H. Under no circumstances shall the connection fee for multi-family, commercial and industrial buildings be less than Two Thousand Dollars (\$2000.00).
- I. No connection to any sewer line ultimately served by the treatment plant of the Village of Pecatonica shall be made until the connection fee has been paid.

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- J. It shall be unlawful for any plumbing contractor or other person to connect any sewer line served by the treatment plant of the Village of Pecatonica without the proof of payment of the connection fee.
1. Any person in violation of this section shall be subject to a fine of Five Hundred Dollars (\$500.00).
- K. It shall be unlawful for any person to knowingly permit any residence or building owned by said person to be connected to sewer lines served by the Village of Pecatonica or to permit waste to be introduced into sewer lines served by the Village of Pecatonica where the required connection fee has not been paid.
1. Any person in violation of this section shall be subject to a fine of Two Hundred Dollars (\$200.00) per violation. Each day of such use shall be considered as a separate violation.

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Chapter Five Connections Inside and Outside the Village Limits

Section 1 Connections Inside the Village Limits

- A. No connection shall be made to the Village Sewer System unless it is located within the corporate limits of the Village.

- B. Exceptions: The Village Board may, in its discretion, allow connection to the Village Sewer System by a customer located outside the corporate limits of the Village under the following conditions:
 - 1. The owner of the property to be connected to the system is unable to annex to the Village because the property is not contiguous to the Village.

 - 2. The owner of the property agrees to petition for annexation to the Village within thirty (30) days of the property becoming contiguous to the Village and must do so according to the Municipal Code of Illinois.
 - a. If the owner fails to timely submit said petition, each owner at the time of extension of the sewer service and all subsequent owners irrevocably designate the Village President to execute said petition for annexation.

 - 3. Annexation to the Village can be anticipated in the foreseeable future.

 - 4. The Village derives and will continue to derive a significant benefit from the user, (as determined solely by the Village Board) or there is a potential economic benefit from the user that the Village will derive (as determined solely by the Village Board).
 - a. The economic benefit derived by the Village shall exceed the cost, if any incurred by the Village for the extension of such sewer service.

- C. The owner, with the Village Board approval, shall pay the cost of extending sewer service from the existing sewer mains to the extremities of the property for easy access by future extensions, including but not limited to, all engineering fees, materials, labor, and installation costs.
 - 1. The Village may, in its discretion, contribute to the cost of extending

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the sewer main if the Village requires the owner to install a sewer main of larger than the standard size as defined elsewhere in the Village Code.

Section 2 Connections Outside Village Limits

- A. All persons making connection to any main, which property is outside of the Village limits, shall pay double the connection fee, and shall adhere to the same requirements as if inside the Village limits.

- B. The property owner shall sign a written agreement that the owner will annex his property to the Village when and if said property shall become contiguous to said Village, said agreement shall be recorded in the Office of the Recorder of Winnebago County.

- C. The owner shall follow the same annexation procedure as outlined in Section 1 of this Chapter.

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Chapter Six Privy Vaults, Cesspools, and Septic Tanks

- A. Privy vaults, cesspools and septic tanks shall not be constructed at any place within the Village where a water supply and sanitary sewer are available.

- B. Any privy vaults, cesspools or septic tanks existing on premises situated within the Village limits or abutting on any street, alley or right-of-way near which there is now located a public sanitary sewer service main of the Village is hereby required at the owner's expense to connect such premises to the public sewer service main in accordance with the provisions of this Article, within ninety (90) days after date of official notice to do so, provided that the said public sewer service main is within two hundred feet (200') of the premises property line and provided right-of-way is available.
 - 1. Exception: where a septic tank is in good working order, the owner may continue with his private system until the following conditions occur.
 - a. The septic system has been determined unfit by the Winnebago County Department of Health or the Illinois Environmental Protection Agency.
 - b. The septic system is in need of replacing or repair in whole or in part.

- C. When a sewer main becomes available and the private septic system is determined unfit as outlined in subparagraph (B), then a sewer service line shall be connected to said sewer main within ninety (90) days and the septic system must be properly abandoned in accordance with Village, County and State codes. The Public Works Department shall receive documentation from the property owner within said time period showing a properly abandoned septic system.

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Chapter Seven Floor Drainage

- A. Floor drains in garages shall be approved by the Superintendent before installation.
- B. Floor drains in garages shall have intercepting mud or grease traps adequate to prevent the flow of oil, grease or mud into the sewer system.
- C. Other floor drains may be permitted to drain into the sanitary sewers where construction has been approved by the Superintendent in writing.

Chapter Eight Prohibited Substances

- A. No person shall discharge or cause to be discharged any of the following described water or wastes to any public sewer:
 - 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 sewerage treatment process, constitute a hazard to humans or animals, create a public nuisance, or create a hazard in receiving waters of the sewage treatment plant, including but not limited to, cyanide in excess of two (2) mg/L as CN in the wastes discharged to the public sewer.
 - 3. Any water or wastes having a pH less than 6.0 or greater than 9.0 or having any other corrosive property capable of causing damage or hazard to structures, equipment and personnel of the sewage works.
 - 4. Solid or viscous substances in quantities or of such size capable of causing obstruction to the flow in sewers or other interference with the proper obstruction to the flow in sewers or other interference with the proper operation of the sewage works such as, but not limited to, ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, underground garbage, whole blood, paunch manure, hair, and fleshing, entrails and paper dishes, cups, milk containers, ink, whether whole or ground by garbage grinders.

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- B. 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, sewerage treatment process or equipment, or have an adverse effect on the receiving stream or can otherwise endanger life, limb or public property or constitute a nuisance.
1. In forming his opinion as to the acceptability of these wastes, the Superintendent, in consultation with the Village Engineer, Building Official and the County Health Department, will give consideration to such factors as the quantity of subject wastes in relation to flows and the velocities in the sewers, nature of the sewage treatment process, capacity of the sewage treatment plant, degree of the treatability of wastes in the sewage treatment plant, and other pertinent factors.
 2. The substances that are prohibited are:
 - a. Any liquid or vapor having a temperature higher than one hundred fifty degrees Fahrenheit (150 F), (65 C).
 - b. Any water or waste containing fats, wax, grease, or oils, whether emulsified or not, in excess of one hundred (100) mg/L or containing substances which may solidify or become viscous at temperatures between thirty two degrees Fahrenheit (32 F) and one hundred degrees Fahrenheit (100 F), (0 C and 65 C).
 - c. Any garbage that has not been properly shredded. The installation and operation of any garbage grinder equipped with a motor of three fourths ($\frac{3}{4}$) horsepower or greater shall be subject to review and approval of the Superintendent.
 - d. Any wastes containing strong acid, iron pickling wastes, or concentrated platen solutions whether neutralized or not.

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- e. Any waters or wastes containing iron, chromium, copper, zinc, or similar objectionable or toxic substances, or wastes exerting an excessive chlorine requirement, to such a degree that any such material received in the composite sewage at the treatment works exceeds the limits established by the Superintendent for such materials.
- f. Any waters or wastes containing phenols or other taste or odor producing substances, in such concentrations exceeding limits which may be established by the 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.
- g. Any radioactive wastes or isotopes of such half-life concentration as may exceed limits established by the Superintendent in compliance with applicable State or Federal regulations.
- h. Materials which may exert or cause:
 - 1. Unusual concentrations of inert suspended solids (such as, but not limited to, Fullers earth, lime slurries, lime residues) or of dissolves solids (such as, but not limited to, sodium chloride and sodium sulfate).
 - 2. Excessive discoloration (such as, but limited to, dye waste and vegetable tanning solutions) capable of causing a visible color in the plant effluent.
 - 3. Unusual BOD, chemical oxygen demand, or chlorine requirements in such quantities as to constitute a significant load on the sewage treatment works.
 - 4. Unusual volume of flow, or concentration of waste constituting ~~Aslugs~~ as defined herein.
- i. Waters and wastes containing substances which are not amenable to treatment or reduction by the sewage treatment process employed, or are amenable to treatment only to such a degree that the sewage treatment plant cannot meet the requirements or other agencies having jurisdiction over the discharge to the receiving waters.

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- j. Any mercury or any of its components in excess of 0.0005 mg/L as Hb at any time except as permitted by the Village in compliance with applicable State and Federal regulations.
 - k. Any cyanide in excess of two (2) mg/L at any time except as permitted by the Village, compliance with State and Federal regulations.
- C. 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 subsection (B) of this chapter, and which in the judgment of the Superintendent, may have a deleterious effect upon the sewage works, process, equipment, or receiving waters, or which otherwise create a hazard to life or constitute a public nuisance, the Superintendent 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 cost of handling and treating the wastes not covered by existing charges under the provisions of Chapter 22 of this Article.
- D. If the Superintendent permits the pretreatment or equalization of waste flows, the design and installation of the plant and equipment shall be subject to the review and approval of the Superintendent, and subject to the requirements of all applicable codes, ordinances, and laws of the Village of Pecatonica, County of Winnebago, and State of Illinois.
- E. The owner of any property serviced by a building sewer line carrying industrial wastes shall, at the request of the Superintendent, provide laboratory measurements, tests, and analyses of water and wastes to establish compliance with this ordinance and by any other conditions for discharge established by the Village or regulatory agencies having jurisdiction over discharge.
- F. The owner of any property serviced by a building sewer line carrying industrial wastes shall, at the request of the Superintendent, have

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installed, at the owner's expense, necessary equipment to provide measurements of the flow of the industrial waste and shall be required to maintain such equipment at the owner's expense.

- G. The number, type, and frequency of laboratory analysis to be performed by the owner shall be stipulated by the Village of Pecatonica.
1. The owner shall, upon request, report the results of measurements and laboratory analyses to the Superintendent.
 2. The owner shall bear the expenses of all measurements, analyses and reporting required by the Village.
 3. At such times as deemed necessary, the Village of Pecatonica, reserves the right to take measurements and samples for analysis by an outside laboratory service at the expense of the owner.

Chapter Nine Storm Water Drains

- A. No person shall discharge or cause to be discharged any storm waters, surface water, groundwater, roof runoff, subsurface drainage, uncontaminated cooling water, or unpolluted industrial process water to any sanitary sewer.
- B. No person shall make connections of roof down spout, exterior foundation drains, sump pumps, areaways 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.

Chapter Ten Protection of Water Supply

- A. All underground sewage construction and facilities within a distance of seventy-five feet (75') radially from all municipal water supply wells shall be constructed in conformity with the minimum requirements of the Department of Public Health of the State.

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Chapter Eleven Costs and Indemnity

- A. All costs and expenses, including but not limited to, installation, connection, repair, replacement and maintenance of the building sewer service line from the sewer main to and including the premises of the property owner shall be borne by the property owner.
- B. The owner shall indemnify the Village from any loss or damage that may directly or indirectly be occasioned by, including but not limited to, the installation, connection, repair, replacement or maintenance of the building sewer service line.

Chapter Twelve Sewer Service Line

- A. A separate and independent sewer service line shall be provided for every building, except where one building stands at the rear of another or 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 one sewer service line.
- B. Old sewer service lines may be used in connection with new buildings only when they are found, on examination and tested by the Superintendent, to meet all requirements of this Article.
- C. The size, slope, alignment, materials of construction of a service line, and the methods to be used in excavating, placing of the pipe, jointing, testing, and backfilling the trench, shall all conform to the requirements of the Building and Plumbing Code, the SSCM or other applicable rules and regulations of the Village and the State of Illinois.
- D. Whenever possible, the sewer service line shall be brought to the building at an elevation below the basement floor.
- E. In all buildings in which any sewer service line is too low to permit gravity flow to the public sewer main, sanitary sewage shall be lifted by an approved means and discharged to the public sewer main system. The owner of the premises to be served shall bear the cost and upkeep, including but not limited to, labor and materials, of the approved means for discharging into the system.

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Chapter Thirteen Grease, Oil and Sand Interceptors

- A. Grease, oil and sand interceptors shall be provided at the owners cost, including but not limited to, the cost of labor and materials, when, in the opinion of the Superintendent or Village Engineer, 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.
- B. All interceptors shall be a type and capacity approved by the Superintendent or Village Engineer, and shall be located as to be readily and easily accessible for cleaning and inspection.

Chapter Fourteen Flow-Equalizing Facilities

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

Chapter Fifteen Suitable Control Manhole

- A. When required by the Superintendent, the owner of any property serviced by a building sewer service line carrying industrial wastes shall install a suitable control manhole together with such necessary meters and other appurtenances in the building sewer to facilitate observation, sampling, and measurement of the wastes.
 - 1. Such manhole, when required, shall be accessible and safely located, and shall be constructed in accordance with plans approved by the Superintendent and the Village Engineer.
 - 2. 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.

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Chapter Sixteen Analyses of Water and Wastes

- A. All measurements, tests, and analyses of the characteristics of waters and wastes to which reference is made in this Article shall be determined in accordance with the latest edition of ~~A~~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.
- B. 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.
- C. 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 out falls of a premise is appropriate of whether a grab sample or samples should be taken. Normally, but not always, BOD and suspended solids analyses are obtained from twenty-four (24) hour composites of all out falls whereas pH~~s~~ are determined from periodic grab samples).

Chapter Seventeen Protection from Damage

- A. No unauthorized person will maliciously, willfully, or negligently break, damage, destroy, uncover, deface, or tamper with any structure, appurtenance or equipment which is part of the sewer works.
- B. Any person violating this provision shall be subject to immediate arrest under charge of disorderly conduct and shall be liable for labor and materials to repair or replace any damaged items.

Chapter Eighteen Powers and Authority of Inspectors

- A. The Building Official, Superintendent and other duly authorized agents or employees of the Village bearing proper credentials and identification shall be permitted to enter all properties for the purposes of inspection, observation, measurement, sampling and testing in accordance with the provision of this Article.

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- B. 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 a direct bearing on the kind and source of discharge to the sewers or waterways or facilities for waste treatment.

Chapter Nineteen Negligence and Not Liable

- A. While performing the necessary work on private properties referred to in Chapter 18, the Superintendent or duly authorized agents or employees of the Village shall observe all safety rules applicable to the premises established by the industry.

Chapter Twenty Right to Enter or Work on Easement

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

Chapter Twenty-One Permit System

- A. It is accepted practice for those political entities using the Permit System to call for two (2) classes of permits:
 - 1. For residential and commercial building sewer service connections
 - 2. For industrial sewer service connections

Chapter Twenty-Two Special Agreement

- A. No statement contained in this Article shall be construed as preventing any special agreement or arrangement between the Village and any

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industrial concern whereby an industrial waste of unusual strength or character may be accepted by the Village for treatment, subject to payment therefore, by the industrial concern.

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

Chapter Twenty-Three Validity

- A. The invalidity of any chapter, section, clause, sentence or provision of this Article shall not affect the validity of any part of this Article which can be given effect without such invalid part of parts.

Chapter Twenty-Four Penalties

- A. Any person found to be violating any provision of this Article shall be served by the Village with written notice stating the nature of the violation and providing a reasonable time limit for the satisfactory correction thereof.
- B. The offender shall, within the period of time stated in such notice, permanently cease all violations.
- C. Any person who shall continue any violation beyond the time limit provided for in subparagraph (A) of this chapter, shall be deemed guilty of a misdemeanor, and on conviction thereof shall be fined in the amount not to exceed one hundred dollars (\$100.00) for each violation, plus attorneys fees.
- D. Each day in which any such violation shall continue shall be deemed a separate offense.
- E. Any person violating any of the provisions of this Article shall become liable to the Village for any expense, loss or damage occasioned the Village by reason of such violation.

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Chapter Twenty-Five Maintenance of the Sewers

- A. The Village is responsible for all maintenance of the sanitary sewer mains and its facility.
- B. The Village is not liable for damage to private property through the routine maintenance of the sewer system.
- C. The customer is responsible for the maintenance of the sewer service line from the building to the public sewer main.

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Chapter Twenty-Six Wastewater Service Charges and Collection

A. Wastewater Service Charges

1. Basis for Charge: the wastewater service charge for the use of and for service supplied by the wastewater facilities of the Village, a basic user charge, and a surcharge, if applicable.
2. Basic User Charge: the charge for the variable operation, maintenance, replacement and debt expenses of the sewerage system and is based on water usage as recorded by water meters and/or sewage meters for wastes having the following normal domestic concentrations:
 - a. A five day, 20 degree Centigrade (20C) biochemical oxygen demand (BOD) of two hundred milligrams per liter (200 mg/L).
 - b. A suspended solids (SS) content of two hundred forty milligrams per liter (240 mg/L).
 - c. The basic user charge is computed by multiplying the water/wastewater volume in one hundred (100) gallons by the basic user rate or charge. (Ord. 2003-8-1)
3. Surcharge: Except where specifically allowed special agreement(s), a surcharge will be levied to all users whose wastes exceed the normal domestic concentration as stated above. The surcharge will be based on a usage as recorded by water and/or sewage meters for all wastes which exceed the normal domestic concentration.

B. Review of Charges: the adequacy of the wastewater rates for operating the system in a fiscally sound manner shall be reviewed periodically by the Village Board and may be revised to reflect changes in costs for operating the system, including but not limited to, operations, maintenance, debt service and capital improvement.

C. Measurement of Flows: the volume of flow used for computing user charges shall be the metered water consumption read to the lowest increments of 100 gallons. (Ord. 2003-8-1)

1. All users of the sewerage system who procure any part, or all, of their water from a source other than the waterworks system of the

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Village, all or part of which is discharged into the sewerage system, shall, if directed by the Village, install and maintain at his/her/its own expense, water meters of a type approved by the Superintendent for the purpose of determining the volume of water obtained from these sources.

2. Devices for measuring the volume of wastewater discharged may be required by the Superintendent if these volumes cannot otherwise be determined from the metered water consumption records.
3. Water meters and metering devices for determining the volume of the wastewater discharge shall be installed, owned and maintained by the person. Following approval and installation, such meters may not be removed without the consent of the Superintendent.

D. Basic User Charges (revised: Ord. 99-1-1, 2003-8-1) (Ord. 2006-11-1)

1. Residential, Commercial and Industrial metered rate starting January 1, 2007 through May 31, 2007 shall be sixteen dollars and eight cents (\$16.08) for -0- gallons and after-0- gallons the rate of fifty-two cents (\$0.52) per one hundred (100) gallons of metered water consumption.

After May 31, 2007 the metered rate shall be sixteen dollars and eight cents (\$16.08) for -0- gallons and after -0- gallons the rate of eighty-six cents (\$.86) per one hundred (100) gallons of metered water consumption.

2. Flat Rate: (accounts without a water meter) shall be twenty dollars (\$20.00) per month.
3. Rates for customers outside the corporate boundaries of the Village shall be one hundred fifty percent (150%) of the identical rates used for customers inside the corporate boundaries of the Village.

E. Surcharge Rates

1. Biochemical Oxygen Demand (BOD): seventeen cents (\$0.17) per pound.
2. Suspended Solids (SS): nineteen cents (\$0.19) per pound.

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F. Computation of Wastewater Service Charge (revised Ord. 2003-8-1)

$$CW = Vu(Cu+CD)+CS$$

Where; CW=Amount of wastewater service charge in dollars per billing period.

Vu = Wastewater volume in the lowest increment of 100 gallons.

Cu = Basic User Rate in dollars per 100 gallons

CD = Debt Service Rate, Flat Rate

CS = Surcharge, if applicable, as determined by the following formula:

$$CS=Vu(0.00834)[A(BOD-200)+B(SS-240)]$$

Whereas:

CS = Amount of Surcharge in dollars per billing period

Vu = Wastewater Volume in gallons per billing period to the lowest increment of 100 gallons.

NOTE: flat rate Vu=1.

0.00834 = Unit of weight of water x 10 per 100 gallons

A = Unit charge for BOD per pound

BOD = 5 day Biochemical Oxygen Demand of wastewater in mg/L.

200 = Allowable-average strength in mg/L.

B = Unit charge for Suspended Solids per pound

SS = Suspended Solids concentration of wastewater in mg/L.

240 = Allowable-average strength in mg/L.

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Chapter Twenty-Seven Billing

- A. Billing procedure, delinquency procedure, person responsible for payment, Lien Notice of Delinquency and Revenues and Accounts shall be the same as set out in ARTICLE NINE, Water.

Chapter Twenty-Eight Customer Billing and/or Violation Appeals Procedure

- A. Customer Billing and/or Violation Appeals Procedure shall be the same as set out in ARTICLE NINE, Water.

Chapter Twenty-Nine Termination of Sewer Service

- A. Termination of Sewer Service Procedure shall be the same as set out in ARTICLE NINE, Water.

Chapter Thirty Access to Records

- A. The Illinois Environmental Protection Agency or its authorized representative shall have access to records of the Village which are applicable to the Village's system of user charges for the purposes of making audit, examination, excerpts and transcriptions thereof to insure compliance with the terms of the Special and General conditions of and State Grant of Loan Agreement.