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An ordinance regulating: The use of public and private sewers and drains, private sewage disposal, the installation and connection of building sewers, the discharge waters and wastes into the public sewer system, and providing penalties for violations thereof; the levying of charges for wastewater services (user charges).

In the _____________________ of ________________________.
  (City, Village, etc.)

County of ______________________, State of Illinois.

    Be it ordained and enacted by the ______________________ of the
    ______________________ of ______________________, State of Illinois, as follows:

    (Council, Board, etc.)

    (Unit of Government)
Chapter 0 Sewer Use Ordinance

ARTICLE I

Use of Public Sewers Required

Sec. 1 It shall be unlawful for any person to place, deposit, or permit to be deposited in any unsanitary manner on public or private property within the ___________________ of ___________________, any area under the jurisdiction of said ___________________, any human or animal excrement, garbage or other objectionable waste.

Sec. 2 It shall be unlawful to discharge to any natural outlet within the ___________________ of ___________________, or in any area under the jurisdiction of said ___________________, any sewage or other polluted waters, except where suitable treatment has been provided in accordance with subsequent provisions of this ordinance.

Sec. 3 Except as hereinafter provided, it shall be unlawful to construct or maintain any privy, privy vault, septic tank, cesspool, or other facility intended or used for the disposal of sewage.

Sec. 4 The owner of all the houses, buildings, or properties used for human occupancy, employment, recreation, or other purposes situated within the ___________________ 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 ___________________, is hereby required at his 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 _______ feet (_______ meters) of the property line.

ARTICLE II

Private Sewage Disposal

Sec. 1 Where a public sanitary (or combined) sewer is not available under the provisions of Article I, Section 4, the building sewer shall be connected to a private sewage disposal system complying with the provisions of this Article II.

Sec. 2 Before commencement of construction of a private sewage disposal system the owner shall first obtain a written permit signed by the ___________________.

The application for such a permit shall be made on a form furnished by the ___________________, (reference Appendix #2) which the applicant shall
supplement by any plans, specifications and other information as deemed but the _______. A permit and inspection fee of ______ dollars shall be paid to the ________________ at the time the application is filed.

Sec. 3 A permit for a private sewage disposal system shall not become effective until the installation is completed to the satisfaction of the _____________________.

He shall be allowed to inspect the work at any stage of construction and, in any event, the applicant for the permit shall notify the ______________________ when the work is ready for final inspection, and before any underground portions are covered. The inspection shall be made within _____ hours of the receipt of written notice by the ______________________.

Sec. 4 The type, capacities, location, and layout of a private sewage disposal system shall comply with all recommendations of the State of Illinois Private Sewage Disposal Licensing Act and Code and with the State of Illinois Environmental Protection Agency. No permit shall be issued for any private sewage disposal system employing subsurface soil absorption facilities where the area of the lot is less than _____ square feet (______ square meters). No septic tank or cesspool shall be permitted to discharge to any natural outlet.

Sec. 5 At such time as a public sewer becomes available to a property served by a private sewage disposal system, as provided in Article I, Section 4, a direct connection shall be made to the public sewer in compliance with this ordinance, and any septic tanks, cesspools, and similar private sewage disposal facilities shall be abandoned and filled with suitable material.

Sec. 6 The owner shall operate and maintain the private sewage disposal facilities in a sanitary manner at all times, and at no expense to the _______________________.

Sec. 7 No statement contained in this Article shall be construed to interfere with any additional requirements that may be imposed by the _______________________.

Sec. 8 When a public sewer becomes available, the building sewer shall be connected to said sewer within sixty (60) days and the private sewage disposal system shall be cleaned of sludge and filled with clean bank-run gravel or dirt.

ARTICLE III
Building Sewers and Connections

Sec. 1 No unauthorized person shall uncover, make any connections with, or opening into; use; alter; or disturb any public sewer or appurtenance thereof without first obtaining a written permit from the _______________________.

(Approving Authority)
Sec. 2 All disposal by any person into the sewer system is unlawful except those discharges in compliance with Federal Standards promulgated pursuant to the Federal Act and more stringent State and local standards.

Sec. 3 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 his agent shall make application on a special form furnished by the __________________________, (reference Appendix #2)

(Unit of Government)

The permit application shall be supplemented by any plans, specifications, or other information considered pertinent in the judgment of the __________________________.

(Approving Authority)

A permit and inspection fee of _____ dollars for a residential or commercial building sewer permit shall be paid to the __________________________ at __________________________

(Unit of Government) at the time the application is filed. The industry, as a condition of permit authorization, must provide information describing its wastewater constituents, characteristics, and type of activity.

Sec. 4 A building sewer permit will only be issued and a sewer connection shall only be allowed if it can be demonstrated that the downstream sewerage facilities, including sewers, pump stations and wastewater treatment facilities, have sufficient reserve capacity to adequately and efficiently handle the additional anticipated waste load.

Sec. 5 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 __________________________ from any loss or damage that may directly or indirectly be occasioned by the installation of building the sewer.

(Unit of Government)

Sec. 6 A separate and independent building sewer shall be provided for every building, except that where one building stands at the rear of another on an interior lot and no private sewer is available or can be constructed to the rear building through an adjoining alley, court, yard or driveway, the building sewer from the front building may be extended to the rear building and the whole considered as one building sewer.

Sec. 7 Old building sewers may be used in connection with new buildings only when they are found, on examination and test by the __________________________, (Approving Authority)

to meet all requirements of this ordinance.

Sec. 8 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 backfilling the trench, shall all conform to the requirements of the building and plumbing code or other applicable rules and regulations of the __________________________. In 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.

Sec. 9 Whenever possible, the building sewer shall be brought to the building at an elevation below the basement floor. In all buildings in which any building drain is too low to permit gravity flow to the public sewer, sanitary sewage carried by such building drain shall be lifted by a means which is approved in accordance with Article III, Section 2, and discharged to the building sewer.

Sec. 10 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.

Sec. 11 The connection of the building sewer into the public sewer shall conform to the requirements of the building and plumbing code, or other applicable rules and regulations of the __________________, or the 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. All such connections shall be made gastight and watertight. Any deviation from the prescribed procedures and materials must be approved by the _______________ before installation.

Sec. 12 The applicant for the building sewer permit shall notify the ________________ when the building sewer is ready for inspection and connection to the public sewer. The connection shall be made under the supervision of the _________________ or his representative.

Sec. 13 All excavations for building sewer installation shall be adequately guarded with barricades and lights so as to protect the public from hazard. Streets, sidewalks, parkways, and other public property disturbed in the course of the work shall be restored in a manner satisfactory to the ___________________.

ARTICLE IV
Use of Public Sewers

Sec. 1 No person shall discharge, or cause to be discharged, any stormwater, surface water, groundwater roof runoff, subsurface drainage, uncontaminated cooling water, or unpolluted industrial process waters to any sanitary sewer.

Sec. 2 Stormwater and all other unpolluted drainage shall be discharged to such sewers as are specifically designated as combined sewers or storm sewers, or to a natural outlet approved by the ___________________. Industrial cooling water or unpolluted process
waters may be discharged on approval of the _______________, to a storm sewer, combined sewer, or natural outlet. (Approving Authority)

Sec. 3 No person shall discharge or cause to be discharged any of the following described waters or wastes to any public sewers:

(a) Any gasoline, benzene, naphtha, fuel oil, or other flammable or explosive liquid, solid, or gas.

(b) Any water or wastes containing toxic or poisonous solids, liquids, or gases in sufficient quantity, either singly or by interaction with other wastes, to injure or interfere with any sewage treatment process, constitute a hazard to humans or animals, create a public nuisance, or create any hazard in the receiving waters of the sewage treatment plant.

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

(d) Solid or viscous substances in quantities or of such size capable of causing obstruction to the flow in sewers, or other interference with 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, unground garbage, whole blood, paunch manure, hair and fleshings, entrails and paper dishes, cup, milk containers, etc., either whole or ground by garbage grinders.

Sec. 4 No person shall discharge or cause to be discharged the following described substances, materials, waters, or wastes if it appears likely in the opinion of the _______________ 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 his opinion as to the acceptability of these wastes, the _______________ will give consideration to such factors as the quantities of subject wastes in relation to flows and velocities in the sewers, materials of construction of the sewers, nature of the sewage treatment process, capacity of the sewage treatment plant, degree of treatability of wastes in the sewage treatment plant, and maximum limits established by regulatory agencies. The substances prohibited are:

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

(b) Any waters or wastes containing toxic or poisonous materials; or oils, whether emulsified or not, in excess of one hundred (100) mg/l or containing substances which may solidify or become viscous at temperatures between thirty-two (32°) and one hundred fifty degrees Fahrenheit (150°F), (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 (3/4) horsepower (0.76 hp metric) or greater shall be subject to the review and approval of the __________________________.  
(Approving Authority)

(d) Any waters or wastes containing strong acid, iron pickling wastes, or concentrated plating solution whether neutralized or not.

(e) Any waters or wastes containing iron, chromium, copper, zinc, or similar objectionable or toxic substances; or wastes exerting an excessive chlorine requirement, to such degree that any such material received in the composite sewage at the sewage treatment works exceeds the limits established by the __________________________ for such materials.  
(Approving Authority)

(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 __________________________ as necessary after treatment of the composite sewage, to meet the requirements of the State, Federal, or other public agencies of jurisdiction for such discharge to the receiving waters.

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

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

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

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

(k) Materials which exert or cause:

(1) Unusual concentrations of inert suspended solids (such as, but not limited to, Fullers earth, lime slurries, and lime residues) or of dissolved solids (such as, but not limited to, sodium chloride and sodium sulfate);

(2) Excessive discoloration (such as, but not limited to, dye wastes and vegetable tanning solutions);
(3) Unusual BOD, chemical oxygen demand, or chlorine requirements in such quantities as to constitute a significant load on the sewage treatment works;

(4) Unusual volume of flow or concentrations of water constituting “slugs” as defined herein.

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

Sec. 5 If any waters or wastes are discharged or are proposed to be discharged to the public sewers, which waters contain the substances or possess the characteristics enumerated in Section 4 of this Article, 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 __________________ 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 __________________ may:

(a) Reject the wastes;

(b) Require pretreatment to an acceptable condition for discharge to the public sewers;

(c) Require control over the quantities and rates of discharge; and/or

(d) Require payment to cover the added costs of handling and treating the wastes not covered by existing taxes or sewer charges, under the provisions of Section 11 of this article. If the __________________ permits the pretreatment or equalization of waste flows, the design and installation of the plants and equipment shall be subject to the review and approval of the __________________, and subject to the requirements of all applicable codes, ordinances and laws.

Sec. 6 Grease, oil, and sand interceptors shall be provided when, in the opinion of the __________________ 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 __________________, and shall be located as to __________________, be readily and easily accessible for cleaning and inspection.
Sec. 7 Where preliminary treatment or flow-equalizing facilities are provided, they shall be maintained continuously in satisfactory and effective operation by the owner at his expense.

Sec. 8 Each industry shall be required to install a control manhole and, when required by the (Approving Authority), the owner of any property serviced by a building sewer carrying industrial wastes shall install a suitable control manhole together with such necessary meters and other appurtenances in the building sewer to facilitate observation, sampling, and measurement of the wastes. Such manhole, when required, shall be accessibly and safely located, and shall be constructed in accordance with plans approved by the (Approving Authority). The manhole shall be installed by the owner at his expense, and shall be maintained by him so as to be safe and accessible at all times.

Sec. 9 The owner of any property serviced by a building sewer carrying industrial wastes shall provide laboratory measurements, tests, and analyses of water and wastes to illustrate compliance with this ordinance and any special conditions for discharge established by the (Unit of Government) or regulatory agencies having jurisdiction over the discharge. The number, type, and frequency of laboratory analyses to be performed by the owner shall be as stipulated by the (Unit of Government), but no less than once per year the industry must supply a complete analysis of the constituents of the wastewater discharge to assure that compliance with the Federal, State, and local standards are being met. The owner shall report the results of measurements and laboratory analyses to the (Unit of Government) at such times and in such manner as prescribed by the (Unit of Government). The owner shall bear the expense of all measurements, analyses, and reporting required by the (Unit of Government). At such times as deemed necessary the (Unit of Government) reserves the right to take measurements and samples for analyses by an outside laboratory service.

Sec. 10 All measurements, tests, and analyses of the characteristics of waters and wastes to which reference is made in this ordinance shall be determined in accordance with the latest edition of IEPA Division of Laboratories Manual of Laboratory Methods, and shall be determined at the control manhole provided, or upon suitable samples taken at said control manhole. In the event that no special manhole has been required the control manhole shall be considered to be the nearest downstream manhole in the public sewer to the point at which the building sewer is connected. Sampling shall be carried out by customarily accepted methods to reflect the effect of constituents upon the sewage works and to determine the existence of hazards to life, limb, and property. The particular analyses involved will determine whether a twenty-four (24) hour composite of all outfalls of a premise is appropriate or whether a grab sample or samples should be taken. Normally, but not always, BOD and suspended solids analyses are obtained...
from 24-hour composites of all outfalls, whereas pHs are determined from periodic grab samples.

Sec. 11 No statement contained in this Article shall be construed as preventing any special agreement or arrangement between the ______________________
(Unit of Government)
and any industrial concern whereby an industrial waste of unusual strength or character may be accepted by the ______________________ for treatment, subject to payment therefore, in accordance with Chapter 00, Article I, hereof, by the industrial concern provided such payments are in accordance with Federal and State guidelines for User Charge System.

ARTICLE V
Protection of Sewage Works from Damage

Sec. 1 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. Any person violating this provision shall be subject to immediate arrest under charge of disorderly conduct.

ARTICLE VI
Powers and Authority of Inspectors

Sec. 1 The ______________________ and other duly authorized employees of the ______________________, the Illinois Environmental Protection Agency, (Approving Authority) (Unit of Government) and the U.S. Environmental Protection Agency, bearing proper credentials and identification, shall be permitted to enter all properties for purposes of inspection, observation, measurement, sampling, and testing in accordance with the provisions of this ordinance. The ______________________ or his representative shall have no authority to inquire (Approving Authority) into any processes, including metallurgical, chemical, oil refining, ceramic, paper, or other industries beyond that point having a direct bearing on the kind and source of discharge to the sewers or waterway or facilities for waste treatment.

Sec. 2 While performing the necessary work on private properties referred to in Article VI, Section 1 above, the ______________________ or duly authorized employees (Approving Authority) of the ______________________, the Illinois Environmental Protection Agency, and the (Unit of Government) U.S. Environmental Protection Agency shall observe all safety rules applicable to the premises established by the company and the company shall be held harmless for injury or death to the ______________________ employees and the ______________________ shall (Unit of Government) (Unit of Government) indemnify the company against liability claims and demands for personal injury or property damage asserted against the company and growing out of the gauging and
sampling operating, except as such may be caused by negligence or failure of the company to maintain conditions as required in Article IV, Section 9.

Sec. 3 The __________________ and other duly authorized employees of the __________________ bearing proper credentials and identification shall be permitted to enter all private properties through which the __________________ holds a duly negotiated easement for the purposes of, but not limited to, inspection, observation, measurement, sampling, repair, and maintenance of any portion of the sewage works lying within said easement. All entry and subsequent work, if any, on said easement, shall be done in full accordance with the terms of the duly negotiated easement pertaining to the private property involved.

ARTICLE VII
Penalties

Sec. 1 Any person found to be violating any provisions of this ordinance except Article V shall be served by the __________________ with written notice stating the nature of the violation and providing a reasonable time limit for the satisfactory correction thereof. The offender shall, within the period of time stated in such notice, permanently cease all violations. The __________________ may revoke any permit for sewage disposal as a result of any violation of any provision of this ordinance.

Sec. 2 Any person who shall continue any violation beyond the time limit provided in Article VII, Section 1, shall be guilty of a misdemeanor, and on conviction thereof shall be fined in the amount not exceeding ________ dollars for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Sec. 3 Any person violating any of the provisions of this ordinance shall become liable to the __________________ by reasons of such violation.

ARTICLE VIII
Validity

Sec. 1 All ordinances or parts of ordinances in conflict herewith are hereby repealed.

Sec. 2 The invalidity of any section, clause, sentence, or provision of this ordinance shall not affect the validity of any other part of this ordinance which can be given effect without such invalid part or parts.

ARTICLE IX
Ordinance in Force

Sec. 1 This ordinance shall be in full force and effect from and after its passage, approval, recording, and publication as provided by law.
Sec. 2 Passed and adopted by the ________ of the ________ of the __________, State of _________ on the ______ day of ________, 19____, by the following vote:

Ayes___________________: namely ____________________
Nayes__________________: namely ____________________

Approved this __________________ day of _________________

(Signed) ____________________
(Mayor, Village Pres., etc)

Attest:

(Signed) ____________________
(Clerk, Secretary, etc)
CHAPTER 00 WASTEWATER SERVICE CHARGES

ARTICLE I
Wastewater Service Charges

Sec. 1 Basis for wastewater service charges: The wastewater service charge for the use of and for service supplied by the wastewater facilities of the _______________ (City, Village, etc.) shall consist of a basic user charge, a debt service charge, a capital improvement charge and applicable surcharges.

Sec. 2 The basic user charge is levied on all users to recover the operation, maintenance plus replacement (O, M & R) costs and shall be based on water usage as recorded by water meters or sewage meters for wastes having the following normal domestic concentrations:

(a) A five day, 20 degree centigrade biochemical oxygen demand (BOD) of ______________ mg/l.

(b) A suspended solids content of ______________ mg/l.

The basic user charge shall be computed as follows:

(a) Estimate the annual wastewater volume, pounds of BOD and pounds of SS to be treated.

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

(c) Proportion the estimated O, M & R costs to each user class by volume, BOD and SS.

(d) Proportion the estimated O, M & R costs to wastewater facility categories by volume, BOD and SS.

(e) Compute costs per 1,000 gallons for normal domestic strength sewage.

(f) Compute surcharge costs per pound for BOD and SS concentrations in excess of normal domestic strengths.

Sec. 3 The debt service charge is computed by apportioning the annual debt service (as a charge per 1,000 gallons.) (as a fixed charge per billing period.) (as a fixed charge plus a charge per 1,000 gallons.)
Sec. 4 The **capital improvement charge** is levied on users to provide for capital improvements, extensions or reconstruction of the sewage treatment works. The capital improvement charge is computed by apportioning the annual amount to be accrued (as a charge per 1,000 gallons.) (as a fixed charge per billing period.)(as a fixed charge plus a charge per 1,000 gallons.)

Sec. 5 A **surcharge** will be levied to all users whose waters exceed the normal domestic concentrations of BOD (_______ mg/l) and SS (_______ mg/l). The surcharge will be based on water usage as recorded by water meters or sewage meters for all wastes which exceed the ______mg/l and ______mg/l concentrations for BOD and SS respectively.

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_________________________ and shall be binding as a basis for surcharges.

Sec. 6 The adequacy of the wastewater service charge shall be reviewed, not less often than annually, by Certified Public Accountants for the_________________________ in their annual audit report. The wastewater service charge shall be revised periodically to reflect a change in local capital costs or O, M & R costs.

Sec. 7 The users of the 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 operation, maintenance and replacement.

Sec. 8 **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 _______gallons.

(a) If the person discharging wastes into the public sewers procures any part, or all, of his water from sources other than the Public Waterworks System, all or 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_________________________ for the purpose of determining the volume of water obtained from these other sources.

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

(c) 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
(Approving Authority)

Sec. 9 Basic User Charge: There shall be and there is hereby established a basic user
charge of $________ per 1,000 gallons of metered water consumption to be applied
to all users to recover O, M & R costs.

Sec. 10 Debt Service Charge: There shall be and there is hereby established a debt service
charge of $________ per (1,000 gallons, Month, Quarter) to each user of the
wastewater facility.

Sec. 11 Capital Improvement Charge: There shall be and there is hereby established a capital
improvement charge of $________ per (1,000 gallons, Month, Quarter) to each user
of the wastewater facility.

Sec. 12 Rates: A minimum charge of $________ per (Month, Quarter) shall be applied to
all users whose water consumption does not exceed_______ gallons per (Month,
Quarter). This minimum charge consists of $________ for O, M & R costs,
$______ for debt service costs and $________ for capital improvement costs.

Usage in excess of_______ gallons per (Month, Quarter) will be charged at a rate of
$______ per 1,000 gallons. This rate consists of $_______ for O, M & R costs,
$_______ for debt service costs and $_______ for capital improvement costs.

Sec. 13 All non-metered residential users of the wastewater facilities shall pay a flat rate
charge of $________ per (Month, Quarter). The flat rate charge consists of $_______
for O, M & R costs, $_______ for debt service costs and $________ for capital
improvement costs. The flat rate charge will allow a maximum of_____ gallons per
(Month, Quarter).

In the event use of the wastewater facilities is determined by the________ to
be in excess of_______ gallons per (Month, Quarter), the________ may
(Approving Authority)
require such flat rate user to install metering devices on the water supply or sewer
main to measure the amount of service supplied.

Sec. 14 Surcharge rates: The rates of surcharges for BOD and SS shall be as follows:

    per lb. of BOD: ___________

    per lb. of SS: ___________

Sec. 15 Computation of Wastewater Service Charge: The wastewater service charge shall be
computed by the following formula:

    CW = CC + CD + CM + (Vu-X) CU + CS
Where  \( CW \) = Amount of wastewater service charge ($) per billing period.
\( CC \) = Capital Improvement Charge (Section 11).
\( CD \) = Debt Service Charge (Section 10).
\( CM \) = Minimum Charge for Operation, Maintenance and Replacement (Section 12).
\( Vu \) = Wastewater Volume for the billing period
\( X \) = Allowable consumption in gallons for the minimum charge (Section 12).
\( CU \) = Basic User Charge for Operation, Maintenance and Replacement (Section 9).
\( CS \) = Surcharges, if applicable (Section 14).

ARTICLE II
General Provisions

Sec. 1 **Bills:** Said rates or charges for service shall be payable monthly or quarterly depending on the classification of service for which bills are rendered. 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____________________only upon the condition that the owner of the premises, occupant and user of the services are jointly and severally liable therefore to the____________________.

(City, Village, etc.)

Bills for sewer service shall be sent out by the____________________treasurer on the first day of the month or quarter succeeding the period for which the service is billed.

(City, Village, etc.)

All sewer bills are due and payable_____days after being sent out. A penalty of_____percent shall be added to all bills not paid by the_____day after they have been rendered.

Sec. 2 **Delinquent bills:** If the charges for such services are not paid within______days or______days herein above mentioned after the rendition of the bill for such services, such services shall be discontinued without further notice and shall not be reinstated until all claims are settled.

Sec. 3 **Lien-Notice of delinquency:** Whenever a bill for sewer service remains unpaid for______days for monthly service or______days for quarterly service after it has been rendered, the____________________treasurer 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____________________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 treasurer has notice of this, notice shall be mailed to the owner of the premises if his address be known to the treasurer, whenever such bill remains unpaid for the period forty-five days for a monthly bill or one hundred and five days for a quarterly bill after it has been rendered.

The failure of the treasurer 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.

Sec. 4 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 treasurer. The attorney is hereby authorized and directed to institute such proceedings in the name of the property for which the bill has remained unpaid forty-five days in the case of a monthly bill or one hundred and five days in the case of a quarterly bill after it has been rendered.

Sec. 5 Revenues: All revenues and moneys derived from the operation of the sewerage system shall be deposited in the sewerage account of the sewerage fund. All such revenues and moneys shall be held by the treasurer separate and apart from his private funds and separate and apart from all other funds of the and all of said sum, without any deductions whatever, shall be delivered to the treasurer not more than ten days after receipt of the same, or at such more frequent intervals as may from time to time be directed by the .

The treasurer shall receive all such revenues from the sewerage system and all other funds and moneys incident to the operation of such system as the same may be delivered to him and deposit the same in the account of the fund designated as the "Sewerage Fund of the ."

Said treasurer shall administer such fund in every respect in the manner provided by statute of the "Revised Cities and Villages Act," effective January 1942.

Sec. 6 Accounts: The treasurer shall establish a proper system of accounts and shall keep proper books, records, and accounts in which complete and correct entries shall be made of all transactions relative to the sewerage system, and at regular annual intervals he shall cause to be made an audit by an independent auditing concern of the books to show the receipts and disbursements of the sewerage system.
In addition to the customary operating statements, the annual audit report shall also reflect the revenues and operating expenses of the wastewater facilities, including a replacement cost, to indicate that sewer service charges under the waste cost recovery system do in fact meet these regulations. In this regard, the financial information to be shown in the audit report shall include the following:

1. Flow data showing total gallons received at the wastewater plant for the current fiscal year.
2. Billing data to show total number of gallons billed per fiscal year.
3. Debt service for the next succeeding fiscal year.
4. Number of users connected to the system.
5. Number of non-metered users.
6. A list of users discharging non-domestic and industrial wastes and volume of waste discharged.

Sec. 7 **Penalty**: Any person, firm or corporation violating any provisions of this article shall be fined not less than _________dollars nor more than ________dollars for each offense.

Sec. 8 **Access to Records**: The (IEPA, USEPA) or its authorized representative shall have access to any books, documents, papers and records of (City, Village, etc.) which are applicable to the (City, Village, etc.) system of user charges for the purpose of making audit, examination, excerpts and transcriptions hereof to insure compliance with the terms of the (Special and General Conditions to any State Grant). (Federal Regulations and conditions of the Federal Grant). (Loan Agreement and Rules of any State Loan).

**ARTICLE III**

**Effective Date of Rates**

The rates and service charges established for user charges in Article I shall be effective as of the next fiscal year beginning ____________ and on bills to be rendered for the next succeeding month being ______ for monthly users and on bills to be rendered for the next succeeding quarter being_______ for quarterly users.

**ARTICLE IV**

**Validity**

That if any section, paragraph, clause or provision of this Ordinance shall be held to be invalid or unenforceable for any reason, the invalidity or unenforceability of such section,
paragraph, clause or provision shall not affect any of the remaining provisions of this Ordinance.

ARTICLE V
Appeals

The method for computation of rates and service charges established for user charges in Article I shall be made available to a user within_______days of receipt of a written request for such. Any disagreement over the method used or in the computations thereof shall be remedied by within_______ days after notification of a formal written appeal outlining the discrepancies.

ARTICLE VI
Ordinance in Force

Sec. 1 This Ordinance shall be in full force and effect from and after its passage and approval and publication as provided by law.

Sec. 2 Passed and adopted by the___________ of the ________________, (Council, Board, etc.) (Unit of Government) of_____________, State of Illinois on the _____day of __________, ___ by the following vote:

Ayes__________________: namely

Nayes_________________: namely

Approved this___________ day of__________________________

(Signed)__________________________
(Mayor, Village Pres., etc.)

ATTEST:

(Signed)__________________________
(Clerk, Secretary, etc.)

(MUNICIPAL SEAL)
APPENDIX # 1

DEFINITIONS
Definitions

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

Sec. 1 Federal Government


"Administrator" means the Administrator of the U.S. Environmental Protection Agency.

"Federal Grant" shall mean the U.S. government participation in the financing of the construction of treatment works as provided for by Title II-Grants for Construction of Treatment Works of the Act and implementing regulations.

Sec. 2 State Government


"Director" means the Director of the Illinois Environmental Protection Agency.

"State Grant" shall mean the State of Illinois participation in the financing of the construction of treatment works as provided for by the Illinois Anti-Pollution Bond Act and for making such grants as filed with the Secretary of State of the State of Illinois.

Sec. 3 Local Government

"Ordinance" means this ordinance.

"________________________________ means the _____________________ of (City, Village, etc.) (City, Village, etc.) _________________________.

"Approving Authority," means the ______________ (Superintendent, Council, etc.)

of the ___________________________ (Dept. of Public Works, Water & Sewer Commission, etc.).

Sec. 4 "Person" shall mean any and all persons, natural or artificial including any individual, firm, company, municipal, or private corporation, association, society, institution, enterprise, governmental agency or other entity.

Sec. 5 "NPDES Permit" means any permit or equivalent document or requirements issued by the Administrator, or, where appropriated by the Director, after enactment of the

Sec. 6 Clarification of word usage: "Shall" is mandatory; "may" is permissible.

Sec. 7 Wastewater and its characteristics:

"Wastewater" shall mean the spent water of a community. From this standpoint of course, it may be a combination of the liquid and water-carried wastes from residences, commercial buildings, industrial plants, and institutions, together with any groundwater, surface water, and storm water that may be present.

"Sewage" is used interchangeably with "wastewater".

"Effluent Criteria" are defined in any applicable "NPDES Permit".

"Water Quality Standards" are defined in the Water Pollution Regulations of Illinois.

"Unpolluted Water" is water 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.

"ppm" shall mean parts per million by weight.

"Milligrams per Liter" shall mean a unit of the concentration of water or wastewater constituent. It is 0.001 g of the constituent in 1,000 ml of water. It has replaced the unit formerly used commonly, parts per million, to which it is approximately equivalent, in reporting the results of water and wastewater analysis.

"Suspended Solids" (SS) 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 the IEPA Division of Laboratories Manual of Laboratory Methods.

"BOD" (denoting Biochemical Oxygen Demand) shall mean the quantity of oxygen utilized in the biochemical oxidation of organic matter under standards laboratory procedure in five (5) days at 20° C, expressed in milligrams per liter.

"pH" shall mean the logarithm (base 10) of the reciprocal of the hydrogen-ion concentration expressed by one of the procedures, outlined in the IEPA Division of Laboratories Manual of Laboratory Methods.

"Garbage" shall mean solid wastes from the domestic and commercial preparation, cooking, and dispensing of food, and from the handling, storage and sale of food.
"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.

"Floatable Oil" is oil, fat, or grease in a physical state such that it will separate by gravity from wastewater by treatment in an approved pretreatment facility. A wastewater shall be considered free of floatable fat if it is properly pretreated and the wastewater does not interfere with the collection system.

"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 ______ gallons of sewage per day, containing _______ pounds of BOD and _______ pounds of suspended solids.

"Slug" shall mean any discharge of water, sewage or industrial waste which in concentration of any given constituent or in quantity of low 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.

"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.

"Mayor Contributing Industry" shall mean an industrial user of the publicly owned treatment works that: (a) Has a flow of 50,000 gallons or more per average work day; or (b) has a flow greater than ten percent of the flow carried by the municipal system receiving the waste; or (c) has in its waste, a toxic pollutant in toxic amounts as defined in standards issued under section 307(a) of the Federal Act; or (d) is found by the permit issuant authority, in connection with the issuance of the NPDES permit to the publicly owned treatment works receiving the waste, to have significant impact, either singly or in combination with other contributing industries, on that treatment works or upon the quality of effluent from that treatment works.

Sec. 8 Sewer types, and appurtenances:

"Sewer" shall mean a pipe or conduit for conveying sewage or any other waste liquids, including storm, surface and groundwater drainage.

"Public Sewer" shall mean a sewer provided by or subject to the jurisdiction of the _________ . It shall also include, sewers within or outside the boundaries _________ that serve one or more persons and ultimately discharge into _________ .
sanitary (or combined sewer system), even though those
sewers may not have been constructed with funds.

“Sanitary Sewer” shall mean a sewer that conveys sewage or industrial wastes or a
combination of both, and into which storm, surface, and ground waters or polluted
industrial wastes are not intentionally admitted.

"Storm Sewer" shall mean a sewer that carries storm, surface and groundwater
drainage but excludes sewage and industrial wastes other than unpolluted cooling
water.

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

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

"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.

"Stormwater Runoff" shall mean that portion of the precipitation that is drained into
the sewers.

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

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

Sec. 9  Treatment:

"Pretreatment" shall mean the treatment of wastewaters from sources before
introduction into the wastewater treatment works.

"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".

Sec. 10  "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.

Sec. 11  Watercourse and connections:
"Watercourse" shall mean a channel in which a flow of water occurs, either continuously or intermittently.

"Natural Outlet" shall mean any outlet into a watercourse, pond, ditch, lake, or other body of surface or groundwater.

Sec. 12  User types:

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

"Residential User" shall mean all dwelling units such as houses, mobile homes, apartments, and permanent multi-family dwellings.

"Commercial User" shall include transit lodging, retail and wholesale establishments or places engaged in selling merchandise, or rendering services.

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

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

"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 representative to sample and/or measure discharges.

Sec. 13  Types of charges:

“Wastewater Service Charge" shall be the charge per quarter or month levied on all users of the Wastewater Facilities. The service charge shall be computed as outlined in Chapter 00, Article II and shall consist of the total or the Basic User Charge, the Local Capital Cost and a Surcharge, if applicable.

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

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

"Debt Service Charge" shall be the amount to be paid each billing period for payment of interest, principal and coverage of (loan, bond, etc.) outstanding.
"Capital Improvement Charge" shall mean a charge levied on users to improve, extend or reconstruct the sewage treatment works.

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

"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 Chapter 00, Article III.

"Replacement" shall mean 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.

"Useful Life" shall mean the estimated period during which the collection system and/or treatment works will be operated.

"Sewerage Fund" is the principal accounting designation for all revenues received in the operation of the sewerage system.
APPENDIX #2

APPLICATIONS FOR SEWER PERMITS

a) Residential or Commercial Building Sewer
b) Private Sewage Disposal
c) Industrial Sewer
RESIDENTIAL BUILDING SEWER APPLICATION

To the ____________________ of ______________________________________:

(City, Village, etc.)

A. THE UNDERSIGNED, being the_______________________ property located

(Owner, Owner’s Agent)

at________________________________________________DOES HEREBY REQUEST a

Number Street

permit to install and connect a building to serve the_____________________________

(Residence)

at said location.

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

<table>
<thead>
<tr>
<th>Number</th>
<th>Fixtures</th>
<th>Number</th>
<th>Fixtures</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Kitchen Sinks</td>
<td></td>
<td>Water Closets</td>
</tr>
<tr>
<td></td>
<td>Lavatories</td>
<td></td>
<td>Bath Tubs</td>
</tr>
<tr>
<td></td>
<td>Laundry Tubs</td>
<td></td>
<td>Showers</td>
</tr>
<tr>
<td></td>
<td>Urinals</td>
<td></td>
<td>Garbage Grinders</td>
</tr>
</tbody>
</table>

Specify other fixtures_________________________________________________________.

2. The maximum number of persons who will use the above fixtures 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".

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

1. To accept and abide by all provisions of the __________________________

(City, Village, etc.)

Code of the __________________ of ___________________________

(City, Village, etc.)

and of all of the pertinent ordinances or regulations that may be adopted in the

future.

2. To maintain the building sewer at no expense to the

________________________ .

(City, Village, etc.)

3. To notify the__________________________when the building sewer is ready

(Approving Authority)
for inspection and connection to the public sewer, but before any portion of the work is covered.

DATE: ___________________________  SIGNED: ____________________________

(Applicant)

(Address of Applicant)

(Certification by ____________________________________Treasurer)

(City, Village, etc.)

$_____________________________ connection fee paid.

$_____________________________ inspection fee paid.

Application approved and permit issued:

DATE: ___________________________  SIGNED: ____________________________

(Approving Authority)
PRIVATE SEWAGE DISPOSAL APPLICATION

To the _________________________ of ____________________________________:

(City; Village, etc.)

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 location.

(Residence, Commercial Building, etc.)

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_______________________________.

(Approving Authority)

2. To accept and abide by all provisions of the_______________________________

(City, Village, etc.)

Code, of the______________________________ of, __________________________,

(City, Village, etc.)

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

(City, Village, etc.)

and at no expense to the ________________________________.

(City, Village, etc.)
4. To notify the ____________________________ 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________________________ Treasurer)
   (City, Village, etc.)

   Application approved and permit issued:

   DATE:_____________________________ SIGNED: ____________________________
   (Approving Authority)
COMMERCIAL, INSTITUTIONAL/GOVERNMENTAL, AND INDUSTRIAL
SEWER CONNECTION APPLICATION

To the _________________________ of _________________________________________:
(City, Village, etc.)

A. THE UNDERSIGNED being the_______________________________ of the
(Owner, Lessee, Tenant, etc.)
property located at ______________________________________________________
DOES HEREBY REQUEST a permit to _______________________ an industrial sewer
(Install, Use)
connection serving the______________________________________ which company is
(Name of Company)
engaged in __________________________________ 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 ______________________________________________________________
______________________________________________________________________.

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

1. To furnish any additional information elating to the installation or use of the industrial
sewer for which this permit is sought as may be adopted in the future.

2. To operate and maintain a control manhole and any waste pretreatment 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
(City, Village, etc.)

3. To cooperate at all times with the _________________________ , and his
(Approving Authority)
representative in their inspecting, sampling, and study of the industrial wastes, and
any facilities provided for pretreatment.
4. To notify the ______________________ immediately in 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)

____________________________________________
(Address of Applicant)

(Certification by _____________________ Treasurer)
(City, Village, etc.)

$_____________________________ connection fee paid.
$______________________________ inspection fee paid.

Application approved and permit granted:

DATE: _______________________________  Signed: __________________________
(Approving Authority)

RD: JMK: ct/548k,sp1-37
The purpose of a User Charge System is to generate revenues from each user class commensurate with the operation, maintenance, and replacement (O, M & R) cost incurred by the City to provide such users with wastewater treatment services. A User Charge System is comprised of two elements: the legislative enactments (ordinances) and the engineering/accounting data necessary to demonstrate the proportionality of the User Charge System using a cost-rate-revenue relationship.

Information pertaining to the UCS should, as a minimum, include the following:

ENGINEERING/ACCOUNTING

1. Number of users by class:

   Residential
   Commercial
   Industrial
   Institutional/Governmental

2. Billable flow and loading by user class:

<table>
<thead>
<tr>
<th></th>
<th>Annual Billable Flow</th>
<th>BOD (lbs/day)</th>
<th>SS (lbs/day)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commercial</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institutional/Governmental</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. Total annual flow (including I & I):

   ____________________________

4. Loading concentrations by user class:

<table>
<thead>
<tr>
<th></th>
<th>BOD (mg/l)</th>
<th>SS (mg/l)</th>
<th>Other (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commercial</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institutional/Governmental</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 35 -
5. Itemized operation, maintenance and replacement budget for the grantee’s treatment works, or estimates for the first year O, M & R budget. This budget should include costs for treatment, conveyance, collection and billing but should not include local capital costs. Capitol costs should be shown separately. (See Attachment.)

6. O, M & R costs (exclusive of costs for debt service) should be proportioned by volume and strength. Specifically, show units costs per unit of volume and strength (i.e. cost per 1000 gallons, cost per lb. of BOD, cost per lb. of suspended solids).

7. O, M & R costs by class (exclusive of costs for debt service):

   Residential _______________________
   Commercial _______________________
   Industrial _______________________
   Institutional/Governmental ________
   Total O, M & R Costs ______________

8. Please show the following rates and exhibit the calculations used in their formulation:

   Basic User Charge (per unit volume) _______________________
   Minimum User Charge (if applicable) _______________________
   Debt Service Charge _______________________
   Surcharge Rates for BOD (per lb) _______________________
   Surcharge Rates for SS (per lb) _______________________

9. Based on the proposed rates, estimate the revenues to be generated annually from each user class. This should be exclusive of revenue generated for debt service.

   Residential ______________
   Commercial ______________
   Industrial ______________
   Institutional/Governmental ____________
   Total O, M & R Costs ______________