

**PLAINFIELD TOWNSHIP
IOSCO COUNTY, MICHIGAN**

SEWER AND RATE ORDINANCE

ORDINANCE NO 32

**JULY 1991
REV 09/21/2016**

TOWNSHIP BOARD

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ORDINANCE FOR SEWERS AND SEWAGE DISPOSAL

An ordinance regulating private and public sewers, sewer connections, industrial waste pretreatment facilities and discharge of industrial waste into the publicly operated treatment works and providing for pollutant limitations, data collection, monitoring and sampling, and providing for penalties for the violation thereof.

THE PLAINFIELD TOWNSHIP ORDAINS:

Section 1. Purpose and Policy

The objectives of this Ordinance are:

- a) To prevent the introduction of pollutants into the wastewater system which will interfere with the normal operation of the system or contaminate the resulting municipal sludge;
- b) To prevent the introduction of pollutants into the wastewater system which do not receive adequate treatment in the POTW, and which will pass through the system into receiving waters or the atmosphere or otherwise be incompatible with the system; and
- c) To improve the opportunity to recycle and reclaim wastewater and sludge from the system.

Section 2. Definitions

Unless the context specifically indicates otherwise, the following terms and phrases, as used in this ordinance, shall have the meaning hereinafter designated.

- **Act or “the Act.** The Federal Water Pollution Control Act, also known as the Clean Water Act, as amended, 33 U.S.C. 1251, et. Seq.
- **Applicable County Health Department.** Shall mean the District Health Department No. 2.
- **Authorized Representative of Industrial User.** An authorized representative of an Industrial User may be:
 - a. A principal executive officer of at least the level of vice-president, if the Industrial User is a corporation;
 - b. A general partner or proprietor if the Industrial User is a partnership or proprietorship, respectively; or
 - c. A duly authorized representative of the individual designated above if such representative is responsible for the overall operation of the facilities from which the indirect discharge originates.
- **Biochemical Oxygen Demand (BOD).** The quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedure, five (5) days at 20 degrees centigrade expressed in terms of weight and concentration (milligrams per liter).
- **Building Drain.** Shall mean that part of the lowest horizontal piping of a drainage system which receives discharge from drainage pipes inside the walls of the building and conveys it to the building sewer, beginning five (5) feet outside the inner face of the building wall.
- **Building Sewer.** Shall mean the extension from the building drain to the public sewer or other place of disposal.
- **Categorical Standards.** National Categorical Pretreatment Standards or Pretreatment Standard.

- **Chemical Oxygen Demand (COD).** A measure of the oxygen-consuming capacity of inorganic and organic matter present in water or wastewater. It is expressed as the amount of oxygen consumed from a chemical oxidant in a specified test. It does not differentiate between stable and unstable organic matter and thus does not necessarily correlate with biochemical oxygen demand. Also known as OC and DOC, oxygen consumed and dichromate oxygen consumed, respectively.
- **Chlorine Demand.** Shall mean the difference between the amount of chlorine applied and the amount of free chlorine available at the end of the contact time, expressed in milligrams per liter.
- **Combine Sewer.** Shall mean a sewer receiving both surface runoff and sewage.
- **Commercial Waste.** Shall mean a liquid or water-carried waste material from a commercial business engaged in buying, selling, exchanging goods or engaging in said goods or services.
- **Compatible Pollutant.** A substance amenable to treatment in the wastewater treatment plant such as biochemical oxygen demand, suspended solids, pH and fecal coliform bacteria, plus additional pollutants identified in the NPDES Permit if the publicly owned treatment works was designed to treat such pollutants, and in fact does remove such pollutant to a substantial degree. Examples of such additional pollutants may include: chemical oxygen demand, total organic carbon, phosphorus and phosphorus compounds, nitrogen compounds, fats, oils and greases of animal or vegetable origin.
- **Composite Sample.** A series of samples taken over a specific time period whose volume is proportional to the flow in the waste stream, which are combined into one sample.
- **Cooling Water.** The water discharged from any use such as air conditioning, cooling or refrigeration, or to which the only pollutant added is heat.
- **Debt Service Charge.** Means charges levied to customers of the wastewater system which are used to pay principle, interest and administrative costs of retiring the debt incurred for construction of the wastewater system. The debt service charge shall be in addition to the user charge specified below.
- **Direct Discharge.** The discharge of treated or untreated wastewater directly to the waters of the State.
- **Environmental Protection Agency, or EPA.** The U.S. Environmental Protection Agency, Administrator or other duly authorized official.
- **Garbage.** Shall mean solid wastes from the preparation, cooking and dispensing of food and from the handling, storage and sale of produce.
- **Grab Sample.** A sample which is taken from a waste stream on a on-time basis with no regard to the flow in the waste stream and without consideration of time.
- **Holding Tank Waste.** Any waste from holding tanks such as vessels, chemical toilets, campers, trailers, septic tanks and vacuum-pump tank trucks.
- **Incompatible Pollutants.** Any pollutant which is not a compatible pollutant.
- **Indirect Discharge.** The discharge or the introduction of nondomestic pollutants into the POTW (including holding tanks waste discharged into the system).
- **Industrial Wastes.** The wastewater discharges from industrial, manufacturing, trade or business processes, or wastewater discharge from any structure with these characteristics, as distinct from their employee's domestic wastes or wastes from sanitary conveniences.

- **Infiltration** shall mean any waters entering the system from the ground, through such means as, but not limited to, defective pipes, pipe joints, connections or manhole walls. Infiltration does not include and is distinguished from inflow.
- **Infiltration/Inflow** shall mean the total quantity of water from both infiltration and inflow.
- **Inflow** shall mean any waters entering the system through such sources as, but not limited to, building downspouts, footing or yard drains, cooling water discharges, seepage lines from springs and swampy areas and storm drain cross connections.
- **Interference.** The inhibition or disruption of the POTW treatment processes or operations which contributes to a violation of any requirement of the NPDES Permit or reduces the efficiency of the POTW. The term also includes prevention of sewage sludge use or disposal by the POTW.
- **Laboratory Determination.** The measurements, tests and analyses of the characteristics of waters and wastes in accordance with the methods contained in the latest edition at the time of any such measurement, test, or analysis of “Standard Methods for Examination of Water and Waste Water, “ a joint publication of the American Public Health Association, the American Waterworks Association and the Water Pollution Control Federation or in accordance with any other method prescribed by the rules and regulations promulgated pursuant to this division.
- **Lateral Line.** That portion of the sewer system located under the street or within the street right-of-way from the property line to the trunk line and which collects sewage from a particular property for transfer to the trunk line.
- **Majority Contributing Industry.** Any industry user of the publicly owned treatment works that:
 - a) Has a flow of 50,000 gallons or more per average work day;
 - b) Has a flow greater than five percent of the flow carried by the municipality receiving the wastes;
 - c) Has in its waste, a toxic pollutant in toxic amounts as defined in the standards under Section 307(a) of the Federal Water Pollution Control Act of 1972; or
 - d) Is found by the permit issuance authority in connection with the issuance NPDES Permit to the publicly owned treatment works receiving the waste, to significantly impact, either singly or in combination with the other contributing industries, on that treatment works or upon the quality of effluent from that treatment works. All major contributing industries shall be monitored.
- **National Categorical Pretreatment Standard or Pretreatment Standard.** Any federal regulation containing pollutant discharge limits promulgated by the EPA which applies to a specific category of Industrial Users.
- **National Pollution Discharge Elimination System or NPDES Permit.** A permit issued pursuant to section 401 of the Act (33 U.S.C. 1342).
- **National Prohibitive Discharge Standard or Prohibitive Discharge Standard.** Any regulation developed under the authority of 307(b) of the Act and 40 CRD, Section 403.5
- **Natural Outlet** shall mean any outlet into a watercourse, pond, ditch, lake or other body of surface of groundwater.
- **New Source.** Any source, the construction of which is commenced after the adoption of this ordinance.
- **Normal Domestic Sewage (NDS).** Wastewater which, when analyzed, shows a daily average concentration of not more than 200 mg/l or BOD; nor than 240 mg/l of suspended solids; nor more than

5 mg/l of phosphorus; no more than 100 mg/l of fats, oils and grease; nor more than 20 mg/l of total Kjeldahl nitrogen.

- **Obstruction.** Any object of whatever nature which substantially impedes the flow of sewage from the point of origination to the trunk line. This shall include, but not be limited to objects, sewage, tree roots, rocks and debris of any type.
- **Operation and Maintenance** means all work, materials, equipment, utilities and other effort required to operate and maintain the wastewater transportation and treatment system consistent with insuring adequate treatment of wastewater to produce an effluent in compliance with the NPDES Permit and other applicable state and federal regulations, and includes the cost of replacement.
- **Owner** or owners of record of the freehold of the premises or lesser estate therein, a mortgagor or vendee in possession, assignee of rents, receiver, executor, trustee, lessee, or other person, firm or corporation in control of a building.
- **Person.** Any individual, partnership, co-partnership, firm, company, corporation, association, joint stock company, trust estate, governmental entity or any other legal entity, or its legal representatives, agents or assigns. The masculine gender shall include the feminine, the singular shall include the plural where indicated by the context.
- **pH.** The logarithm (base 10) of the reciprocal of the concentration of hydrogen ions expressed in moles per liter of solution.
- **Pollutant.** Any of various chemicals, substances, and refuse materials such as solid waste, sewage, garbage, sewage sludge, chemical wastes, biological materials, radioactive materials, heat, and industrial, municipal and agricultural wastes which impair the purity of the water and soil.
- **Pollution.** The man-made or man-induced alteration of the chemical, physical, biological, and radiological integrity of water.
- **POTW Publicly Owned Treatment Works.** A treatment works as defined by section 212 of the Act (33 U.S.C. 1292), which is owned in this instance by Plainfield Township. This definition includes any sewers that convey wastewater to the POTW treatment plant. For the purposes of this ordinance, "POTW" shall also include any sewers that convey wastewaters to the POTW from persons outside the Township who are, by contract or agreement with the Township, users of the POTW.
- **POTW Treatment Plant.** That portion of the POTW designed to provide treatment to wastewater.
- **Pretreatment or Treatment.** The reduction of the amount of pollutants, the elimination of pollutants, or the alteration of the nature of pollutants, or the alteration of the nature of pollutant properties in wastewater to a less harmful state prior to or in lieu of discharging or otherwise introducing such pollutants into a POTW. The reduction or alteration can be obtained by physical, chemical or biological processes, or process changes other means, except as prohibited by 40 CFR Section 403.6(d).
- **Pretreatment Requirements.** Any substantive or procedural requirement for treating of a waste prior to inclusion in the POTW.
- **Private Sewer Lines.** All service lines and equipment for the disposal of sewage installed or located on any property, from the property line to and including any structure of facility which exists on the property.

- **Properly Shredded Garbage** shall mean the wastes from the preparation, cooking and dispensing of food that have been shredded to such 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 in any dimension.
- **Property Owner.** The owner of the property which abuts the street.
- **Public Sewer** shall mean a sewer in which all owners of abutting properties have equal rights, and is controlled by public authority.
- **Replacement** means the replacement in whole or in part of any equipment, appurtenances and accessories in the wastewater transportation or treatment systems to insure continuous treatment of wastewater in accordance with the NPDES Permit and other applicable state and federal regulations.
- **Sanitary Sewer** shall mean a sewer which carries sewage and to which storm, surface and ground-waters are not intentionally admitted.
- **Sewage** shall mean a combination of the water-carried wastes from residences, business buildings, institutions and industrial establishments, together with such ground-waters as may be present.
- **Sewage Treatment Plant or Wastewater Treatment Plant** shall mean any arrangement of devices and structures used for treating sewage.
- **Sewer** shall mean a pipe or conduit for carrying sewage.
- **Sewer Service Charge** means the sum of the applicable user charge, surcharges and debt service charges.
- **Shall** is mandatory; **May** is permissive.
- **Significant Industrial User.** Any Industrial User of the wastewater disposal system who:
 - a) Has a discharge flow of 25,000 gallons or more per average work day; or
 - b) Has a flow greater than 5% of the flow in the wastewater treatment system; or
 - c) Has in his wastes toxic pollutants as defined pursuant to Section 307 of the Act State Statutes and rules; or
 - d) Is found by the Township, Michigan Department of Natural Resources, or the U.S. Environmental Protection Agency (EPA) to have significant impact, either singly or in combination with other contributing industries, on the wastewater treatment system, the quality of sludge, the system's effluent quality, or air emissions generated by the system.
- **Slug Load.** Any substance released in a discharge at a rate and/or concentration which causes interference to a POTW.
- **Standard Industrial Classification (SIC).** A classification pursuant to the Standard Industrial Classification Manual issued by the Executive Office of the President, Office of Management and Budget, 1972.
- **State.** State of Michigan.
- **Storm Sewer or Storm Drain** shall mean a sewer which carries storm and surface waters and drainage, but excludes sewage and polluted industrial wastes.
- **Storm Water.** Any flow occurring during or following any form of natural precipitation and resulting therefrom.

- **Surcharge.** As part of the service charge, any customer discharging wastewater having strength in excess of normal domestic strength shall be required to pay an additional charge to cover the cost of treatment of such excess strength wastewater.
- **Suspended Solids.** The total suspended matter that floats on the surface of, or is suspended in, water, wastewater or other liquids, and which is removable by laboratory filtering.
- **Township.** The Township of Plainfield.
- **Toxic Pollutant.** Any pollutant or combination of pollutants which is or can potentially be harmful to public health or environment including those listed as toxic in regulations promulgated by the Administrator of the Environmental Protection Agency under the provisions of the Clean Water Act 307(a) or other Acts.
- **Trunk Line.** The main sewer line located under any street or within any street right-of-way which collects and transmits the sewage of the various properties served by the sewer system.
- **Uncontaminated Industrial** shall mean wastewater which has not come into contact with any substance used in or incidental to industrial processing operations and to which no chemical or other substance has been added.
- **User.** Any person who contributes, causes or permits the contribution of wastewater into the POTW.
- **User Charge** means a charge levied on users of a treatment works for the cost of operation and maintenance or sewerage works pursuant to section 204(b) of the Clean Water Act and includes the cost of replacement.
- **User Class** means the kind of user connected to sanitary sewers including but not limited to residential, industrial, commercial, institutional government.
 1. **Residential User** shall mean a user of the treatment works whose premises or buildings are used primarily as a domicile for one or more persons, including dwelling units such as detached, semi-detached and row houses, mobile homes, apartments, or permanent multi-family dwellings (transit lodging is not included, it is considered commercial).
 2. **Industrial User** shall mean any user who discharges “industrial wastes” as defined in this ordinance.
 3. **Commercial User** shall mean an establishment listed in the Office of the Management and Budget’s “Standard Industrial Classification Manual” (SICM), involved in a commercial enterprise, business or service which, based on a determination by the City, discharges primarily segregated domestic wastes or wastes from sanitary conveniences and which is not a residential user or an industrial user.
 4. **Institutional User** shall mean any establishment listed in the SICM involved in a social, charitable, religious, or educational function which, based on a determination by the Township, discharges primarily segregated domestic wastes or wastes from sanitary conveniences.
 5. **Governmental User** shall mean any federal, state or local government user of the wastewater treatment works.
- **Wastewater.** The liquid and water carried industrial or domestic wastes from dwellings, commercial buildings, industrial facilities and institutions, together with any groundwater, surface water, and storm

water that may be present, whether treated or untreated, which is contributed into or permitted to enter the POTW.

- **Watercourse** shall mean a channel in which a flow of water occurs, either continuously or intermittently.
- **Waters of the State.** All streams, lakes, ponds, marshes, watercourses, waterways, wells, springs, reservoirs, aquifers, irrigation systems, drainage systems and all other bodies or accumulations of water, surface or underground, natural or artificial, public or private, which are contained within, flow through, or border upon the State or any portion thereof.

Section 3. Abbreviations

The following abbreviations shall have the designated meanings:

1. **BOD** – Biochemical Oxygen Demand
2. **CFR** – Code of Federal Regulations
3. **COD** – Chemical Oxygen Demand
4. **EPA** – Environmental Protection Agency
5. **l** – liter
6. **mg** – milligrams
7. **mg/l** – milligrams per liter
8. **NDS** – Normal Domestic Sewage
9. **NPDES** – National Pollutant Discharge Elimination System
10. **P** – Phosphorus
11. **POTW** – Publicly Owned Treatment Works
12. **SIC** – Standard Industrial Classification
13. **SICM** – Standard Industrial Classification Manual
14. **SS** – Suspended Solids
15. **SWDA** – Solid Waste Disposal Act, 42 U.S.C. 6901, et. Seq.
16. **O & M** – Operation and Maintenance
17. **CWA** – Clean Water Act

Section 4. Unsanitary Deposits, Discharge to natural Outlets Prohibited

1. It shall be unlawful for any person to place deposit, or permit to be deposited in any unsanitary manner upon public or private property within the Township, or in any area under the jurisdiction of said Township, any human or animal excrement, garbage or other objectionable waste.
2. It shall be unlawful, when sewage and/or treatment facilities are available, to discharge to any natural outlet within the Township, or in any area under the jurisdiction of said Township, any sanitary sewage, industrial wastes, or other polluted waters, unless specifically permitted by the applicable county health department.
3. 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, unless specifically permitted by the applicable county health department or as hereinafter provided.
4. The owner of all houses, buildings or properties used for human occupancy, employment, recreation or other purposes, situated within the Township and abutting on any street, alley, or right-of-way in which

there is now located or may in the future be located a public sanitary or combined sewer of the Township, is hereby required at his expense to install suitable sewage facilities therein, and to connect such facilities directly with the provisions of this article, within ninety (90) days after date of official notice to do so.

Section 5. Process Wastewater

1. Wastewater Contribution Information

Any industry or structure discharging process flow to the sanitary sewer, storm sewer or receiving stream shall file the material listed below with the Township. Any industry which does not normally discharge to the sanitary sewer, storm sewer or receiving stream, but has the potential to do so from accidental spills or similar circumstances, shall also file the material listed below.

The Township may require each person who applies for or receives sewer service, or through the nature of the enterprise creates a potential environmental problem, to file the material listed below on a disclosure form prescribed by the Township:

- a) Name, address and location (if different from the address).
- b) SIC number according to the Standard Industrial Classification Manual, Bureau of the Budget, 1972, as amended.
- c) Wastewater constituents and characteristics including but not limited to those mentioned in Section 8 of this Ordinance as determined by a reliable analytical laboratory; sampling and analysis shall be performed in accordance with the procedures and methods detailed in:
 - “Standard Methods for the Examination of Water and Wastewater,” American public Health Association, current edition.
 - “Manual of Methods for Chemical Analysis of Water and Wastes,” United States Environmental Protection Agency, current edition.
 - “Annual Book of Standards, Part 131, Water, Atmospheric Analysis,” American Society of Testing Materials, current edition.
- d) Time and duration of contribution.
- e) Average daily wastewater flow rates, including daily, monthly and seasonal variations, if any.
- f) Industries identified as significant industries or subject to the National Categorical Pretreatment Standards or those required by the Township must submit site plans, floor plans, mechanical and plumbing plans and details to show all sewers, sewer connections, and appurtenances by the size, location and elevations.
- g) Description of activities, facilities and plant processes on the premises including all materials which are or could be discharged.
- h) Where known, the nature and concentration of any pollutants in the discharge which are limited by the Township, State, or Federal Pretreatment Standards, and a statement regarding whether or not the pretreatment standards are being met on a consistent basis and if not, whether additional Operation and Maintenance and/or additional pretreatment is required by the industrial User to meet applicable Pretreatment Standards.

- i) If additional pretreatment and/or O & M will be required to meet the Pretreatment Standards; the shortest schedule by which the User will provide such additional pretreatment. The completion date in this schedule shall not be later than the compliance date established for the applicable Pretreatment Standard. The following conditions shall apply to this schedule:
 - 1) The schedule shall contain increments of progress in the form of dates for the commencement and completion of major events leading to the construction and operation of additional pretreatment required for the User to meet the applicable Pretreatment Standards.
 - 2) No increment referred to in paragraph (1) shall exceed 9 months.
 - 3) Not later than 14 days following each date in the schedule and the final date for compliance, the User shall submit a progress report to the Township including, as a minimum, whether or not it complied with the increment of progress to be met on such date and, if not, the date on which it expects to comply with this increment of progress, the reason for delay, and the steps being taken by the User to return the construction to the schedule established. In no event shall more than 9 months elapse between such progress reports to the Township.
- j) Each project produced by type, amount, process or processes and rate of production.
- k) Type and amount of raw materials processed, average and maximum per day.
- l) Number and type of employees, hours of operation of plant and proposed or actual hours of operation of pretreatment system.
- m) Any other information as may be deemed to be necessary to evaluate the impact of the discharge on the POTW.
- n) The discharge form shall be signed by a principal executive officer of the User and a qualified engineer.
- o) The Township will evaluate the complete disclosure form and data furnished and may require additional information. Within 90 days after full evaluation and acceptance of the data furnished, the Township shall notify the User of the acceptance thereof.

2. Discharge Modifications

Within nine (9) months of the promulgation or revision of a National Categorical Pretreatment Standard, all affected users must submit to the Township the information required by paragraphs 1. (h) and 1. (i) of Section 5.

3. Discharge Conditions

Wastewater discharges shall be expressly subject to all provisions of this Ordinance and all other applicable regulations, user charges and fees established by the Township. The Township may:

- a) Set unit charges or a schedule of user charges and fees for the wastewater to be discharged to the POTW;
- b) Limit the average and maximum wastewater constituents and characteristics;
- c) Limit the average and maximum rate and time of discharge or make requirements for flow regulations and equalization;
- d) Require the installation and maintenance of inspection and sampling facilities;

- e) Establish specifications for monitoring programs which may include sampling locations, frequency of sampling number, types and standards for tests and reporting schedule;
- f) Establish compliance schedules;
- g) Require submission of technical reports or discharge reports;
- h) Require the maintaining, retaining and furnishing of pretreatment records relating to wastewater discharge as specified by the Township, and affording Township access thereto, and copying thereof;
- i) Require notification to the Township for any new introduction of wastewater constituents or any substantial change in the volume or character of the wastewater constituents being introduced into the wastewater treatment system;
- j) Require notification of slug discharges;
- k) Require other conditions as deemed appropriate by the Township to ensure compliance with this Ordinance;
- l) Require waste treatment facilities, process facilities, waste streams, or other potential waste problems to be placed under the specific supervision and control of persons who have been certified by an appropriate state agency as properly qualified to supervise such facilities.
- m) Require records and file reports to be maintained on the final disposal of specific liquids, solids, sludges, oils, radioactive materials, solvents, or other wastes.

4. Compliance Date Report

Within 90 days following the date for final compliance with applicable Pretreatment Standards or, in the case of a New Source, following commencement of the introduction of wastewater into the POTW, any User subject to Pretreatment Standards and Requirements shall submit to the Township a report indicating the nature and concentration of all pollutants in the discharge from the regulated process which are limited by Pretreatment Standards and Requirements and the average and maximum daily flow for these process units in the User Facility which are limited by such Pretreatment standards of Requirements. The report shall state whether the applicable Pretreatment Standards or Requirements are being met on a consistent basis and, if not, what additional O & M and/or pretreatment is necessary to bring the User into compliance with the applicable Pretreatment Standards or Requirements. This statement will be signed by an authorized representative of the Industrial User, and certified to by a qualified representative.

5. Periodic Compliance Reports

- a) Any User or New Source discharging into the POTW, shall submit to the Township during the months of June and December, unless required more frequently in Pretreatment Standard or by the Township, a report indicating the nature and concentration of pollutants in the effluent which are limited by such Pretreatment Standards or this Ordinance. In addition, this report shall include a record of all daily flows which during the reporting period exceeded the average daily flow reported in paragraph 3. C) of this section. At the discretion of the Township and in consideration of such factors as local high or low rates, holidays, budget cycles, etc., the Township may agree to alter the months during which the above reports are to be submitted.
- b) The Township may also impose mass limitations on Users which are using dilution to meet applicable Pretreatment Standards or Requirements, or in other cases in which the imposition of

mass limitations is appropriate. In such cases, the report required by subparagraph a) of this paragraph shall also indicate the mass of pollutants regulated by Pretreatment Standards in the effluent of the User.

6. Monitoring Facilities

The Township may require to be provided and operated at the User's own expense, monitoring facilities to allow inspection, sampling, and flow measurement of the building sewer and/or internal drainage systems. The monitoring facility should normally be situated on the User's premises, but the Township may, when such a location would be impractical or cause undue hardship on the User, allow the facility to be constructed in the public street or sidewalk area and located so that it will not be obstructed by landscaping or parked vehicles. There shall be ample room in or near such sampling manhole or facility to allow accurate sampling and preparation of samples for analysis. The facility, sampling and measuring equipment shall be maintained at all times in a safe and proper operating condition at the expense of the User. Whether constructed on public or private property, the sampling and monitoring facilities shall be provide in accordance with plans and specifications submitted to and approved by the Township and all applicable local construction standards and specifications. Construction shall be completed with 90 days following written notification by the Township.

7. Inspection and Sampling

The Township shall inspect the facilities of any User to ascertain whether the purpose of this Ordinance is being met and all requirements are being complied with. Persons or occupants of premises where wastewater is created or discharged shall allow the Township or its representative ready access at all reasonable times to all parts of the premises for the purposes of inspection, sampling, records examination, records copying or in the performance of any of their duties. The Township, Michigan Department of Natural Resources and EPA shall have the right to set up on the User's property such devices as are necessary to conduct sampling inspection, compliance monitoring and/or metering operations. Where a User has security measures in force which would require proper identification and clearance before entry into their premises, the User shall make necessary arrangements with their security guards so that upon presentation of suitable identification, personnel from the Township, Michigan Department of Natural Resources and EPA will be permitted to enter, without delay, for the purposes of performing their specific responsibilities.

8. Pretreatment

Industrial Users shall provide necessary wastewater treatment as required to comply with this Ordinance and shall achieve compliance with all National Categorical Pretreatment Standards within the time limitations as specified by the Federal pretreatment Regulations and as required by the Township. Any facilities required to pretreat wastewater to a level acceptable to the Township shall be provided, operated, and maintained at the User's expense. Detailed plans showing the pretreatment facilities and operating procedures shall be submitted to the Township for review, and shall be approved by the Township before construction of the facility. The review of such plans and operating procedures will in no way relieve the User from the responsibility of modifying the facility as necessary to produce an effluent acceptable to the Township under the provisions of this Ordinance. Any subsequent changes in the pretreatment facilities or method of operation shall be reported to and be acceptable to the Township prior to the User's initiation of the changes.

9. Confidential Information

Information and data on a User obtained from reports, questionnaires, permit applications, permits and monitoring programs and from inspections shall be available to the public or other governmental agency without restriction unless the User specifically requests and is able to demonstrate to the satisfaction of the Township that the release of such information would divulge information, processes or methods of production entitled to protection as trade secrets of the User.

When requested by the person furnishing a report, the portions a report which might disclose trade secrets or secret processes shall not be made available for inspection by the public but shall be made available upon written request to governmental agencies for uses related to this Ordinance, the National Pollutant Discharge Elimination System (NPDES) Permit, or the Pretreatment Programs; provided, however, that such portions of a report shall be available for use by the State or any state agency in judicial review or enforcement proceedings involving the person furnishing the report. Wastewater constituents and characteristics will not be recognized as confidential information.

Information accepted by the Township as confidential shall not be transmitted to any governmental agency or to the general public by the Township until and unless ten-day notification is given to the User.

Section 6. Private Sewage Disposal

1. Where a public sewer is not available under the provisions of Section 4.4, the building sewer shall be connected to an approved private sewage disposal system.
2. Before commencement of a private sewage disposal system, the owner shall first apply to the County Health Department for soil evaluation test. The fee shall be determined by the County Health Department, and shall be paid to the County Health Department. At completion of the above soil evaluation test showing positive results, the property owner shall apply for a Permit for Installation for the proposed sewage system. He shall include plans, specifications and other information as deemed necessary by the County Health Department. At the time the application is filed, the fee determined by the County Health Department for the permit and inspection shall be paid.
3. A permit for a private sewage disposal system shall not become effective until the installation is completed to the satisfaction of the County Health Department. The County Health Department shall be allowed to inspect the work at any stage of construction and, in any event, the applicant for the permit shall notify the County Health Department when the work is ready for final inspection, and before any underground portions are covered. The inspection shall be made within seven (7) days of the receipt of notice by the County Health Department. All persons receiving a permit for a private sewer disposal system shall provide the Township with copies of all final approved inspection reports issued by the County Health Department.
4. The type, capacities, location and layout of a private sewage disposal system shall comply with all recommendations of the County Health Department. No septic tank or cesspool shall be permitted to discharge to any public sewer or natural outlet.

5. At such time as a public sewer becomes available to a property served by a private sewage disposal system as provided in Section 4.4, a direct connection shall be made to the public sewer in compliance with this article, and any septic tanks, cesspools and similar private sewage disposal facilities shall be made to the public sewer in compliance with this article, and any septic tanks, cesspools and similar private sewage disposal facilities shall be abandoned for sanitary use and filled with a suitable material.
6. The Owner shall operate and maintain the private sewage disposal facilities in a sanitary manner at all times at no expense to the Township.
7. No statement contained in this section shall be construed to interfere with any additional requirements that may be imposed by any other agency having legal jurisdiction.

Section 7. Building Sewer and Connections

1. No 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 Township. No building sewer shall be covered until after it has been inspected and approved by the Township.
2. The owner or his agent shall make application for sewer permit on a form furnished by the Township. The permit application shall be supplemented by any plans, specifications, or other information required by this Ordinance or considered pertinent in the judgment of the Township. A Hook-up Fee to be determined by Township shall be paid to the Township Treasurer at the time the application is filed. A plumbing permit is also required. If a street opening is required to make the lead connection, an additional attachment to the permit must be completed.
3. All cost and expense incident to the installation, connection and maintenance of the building sewer to the public sewer connection shall be borne by the property owner.
4. All liabilities incident to the installation and connection of the building sewer shall be borne by property owner. The property owner shall indemnify and save harmless the Township from any loss or damage that may directly or indirectly be occasioned by the installation of the building sewer.
 - a) It shall be the duty of each property owner to maintain, clean and repair the private sewer lines on his property at his own expense as necessary to keep such lines free and clear of obstructions the lateral lines servicing his property.
 - b) It shall be the duty of the Township to maintain, clean and repair as necessary and at its expense the sewer trunk lines and to repair or replace any broken or crushed lateral lines outward to the road right-of-way. The Township shall not be responsible for cleaning or maintenance of lateral lines.
 - c) In the case of a bona fide dispute as to whether needed maintenance, cleaning or repair of a portion of sewer line is the responsibility of the property owner or the Township under the provisions of this Ordinance, it shall be the duty of the property owner to establish that the obstruction disrepair or defect has occurred in that portion of the line for which the Township is responsible.

If the property owner fails to establish the Township responsibility, it shall be the property owner's responsibility to perform the necessary maintenance as provided in this Ordinance.; If the Township responsibility is established, the Township shall perform the necessary

maintenance and shall reimburse the property owner for reasonable expenses incurred in locating the defect in the line or in otherwise establishing the Township responsibility.

The property owner would be responsible under this Ordinance for the total maintenance and repair of the private sewer lines on his property and for the maintenance and cleaning. The Township, on the other hand, is responsible for major repair of the trunk line and

- d) Any property owner who shall violate the provisions of this Ordinance shall be liable to the Township for civil damages incurred in correcting the defect, and in addition shall be guilty of a misdemeanor.
5. A separate and independent building sewer 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, yard or driveway, the building sewer from the front building may be extended to the rear building.
6. Old building sewers may be used in connection with new buildings only when they are found, on examination and test by the inspector, to meet all requirements of this article.
7. The building sewer shall be constructed of PVC schedule 40 pipe, or cast iron pipe, as approved by the Township. The Township reserves the right to specify and require the encasement of any sewer pipe with concrete, or the installation of the sewer pipe in concrete cradle if foundation and construction are such as to warrant such protection in the opinion of the Township.
8. The size and slope of the building sewer shall be subject to approval by the Township, but in no event shall the diameter be less than four (4) inches. The slope of such four (4) inch pipe shall be not less than one-quarter (1/4) inch per foot, unless otherwise permitted. The slope of pipe, the diameter of which is six (6) inches or more, shall be not less than one-eighth (1/8) inch per foot unless otherwise permitted.
9. Whenever possible, the building sewer shall be brought to the building at an elevation below the basement floor. No building sewer shall be laid parallel to or within three (3) feet of any bearing wall, which might thereby be weakened. The depth shall be sufficient to afford protection from frost. The building sewer shall be laid at uniform grade. The line shall be straight or laid with properly curved pipe and fittings. Changes in direction greater than forty-five (45) degrees shall be provided with cleanouts accessible for cleaning.
10. In all buildings in which any building drain is too low to permit gravity flow to the public sewer, sanitary sewage carried by such drain shall be lifted by artificial means approved by the Township, and discharges to the building sewer.
11. All joints and connections shall be made gastight and watertight. All joints shall be approved by the Township.
12. No sewer connection will be permitted unless there is capacity available in all downstream sewers, lift stations, force mains and the sewage treatment plant, including capacity for treatment of BOD and suspended solids.
13. All newly constructed building sewers shall have a properly sized cleanout at the head of said sewer that is accessible at all times. This cleanout shall allow access of sewer cleaning equipment of a size equivalent to the size of the building sewer.
14. All sewers shall be constructed in accordance with the latest edition of the "Ten State Standards."

15. It is hereby determined and declared that public sanitary sewers are essential to the health, safety and welfare of the people of the Township; that all premises on which structures in which sanitary sewage originates are situated shall connect to the System at the earliest, reasonable date as a matter for the protection of the public health, safety and welfare of the people of the Township, and therefore, all premises on which structures in which sanitary sewage originates are situated or become situated and to which sewer services of the System shall be available shall connect to said System within ninety (90) days after the mailing or posting of notice of such premises by the appropriate Township official that such services are available. Said notification and enforcement of this Section shall be in conformity with Act 288 of the Public Acts of Michigan of 1972.

Section 8. Use of the Public Sewers

1. General Discharge Prohibitions

No User shall contribute or cause to be contributed, directly or indirectly, any pollutant or wastewater which will interfere with the operation or performance of the POTW. These general prohibitions apply to all such Users of a POTW whether or not the User is subject to the National Categorical Pretreatment Standards or any other national, state, and local Pretreatment Standards or requirement. The Township may refuse to accept any wastes which will cause the POTW to violate its NPDES discharge limits. A User may not contribute the following substances to any POTW:

- a) Any liquids, solids or gases which by reason of their nature and quantity are, or may be, sufficient either alone or by interaction with other substances to cause fire or explosion or be injurious in any other way to the POTW or to the operation of the POTW. Prohibited materials include, but are not limited to: gasoline, kerosene, naphtha, benzene, toluene, xylene, ethers, alcohols, ketones, aldehydes, peroxides, chlorates, perchlorates, bromates, carbides, hydrides and sulfides.
- b) Solid or viscous substances which may cause obstruction to the flow in a sewer or other interference with the operation of the wastewater treatment facilities such as, but not limited to: grease, garbage with particles greater than one-half inch (1/2") in any dimension, animal guts or tissues, paunch manure, bones, hair hides or fleshing, entrails, whole blood, feathers, ashes, cinders, sand, spent lime, stone or marble dust, metal, glass, straw, shavings, grass clippings, rags, spent grains, spent hops, waste paper, wood, plastics, gas, tar, asphalt residues, residues from refining, or processing of fuel or lubricating oil, mud, or glass grinding or polishing wastes.
- c) Any wastewater having a pH less than 6.5 or greater than 9.5, or wastewater having any other corrosive property capable of causing damage or hazard to structures, equipment, or personnel of the POTW.
- d) Any wastewater containing toxic pollutants in sufficient quantity, either singly or by interaction with other pollutants, to injure or interfere with any wastewater treatment process, constitute a hazard to humans or animals, create a toxic effect in the receiving waters of the POTW, or exceed the limitation set forth in a Categorical Pretreatment Standard. This prohibition of toxic pollutants will conform to Section 307(a) of the Act.

- e) Any noxious or malodorous liquids, gases, or solids which either singly or by interaction with other wastes are sufficient to create a public nuisance or hazard to life or are sufficient to prevent entry into the sewers for maintenance and repair.
- f) Any substance which may cause the POTW's effluent or any other product of the POTW such as residues, sludges, or scums to be unsuitable for reclamation and reuse or to interfere with the reclamation process.
- g) Any substance which will cause the POTW to violate its NPDES Permit or the receiving water quality standards.
- h) Any wastewater with objectionable color not removed in the treatment process, such as, but not limited to, dye wastes and vegetable tanning solutions.
- i) Any wastewater having a temperature which will inhibit biological activity in the POTW resulting in Interference, but in no case wastewater with a temperature at the introduction into the POTW which exceeds 40 degrees C (104 degrees F).
- j) Any pollutants, including oxygen demanding pollutants (BOD, etc.) released at a flow rate and/or pollutant concentration which will cause Interference to the POTW.
- k) Any wastewater containing any radioactive wastes or isotopes of such half-life or concentration as may exceed limits established by the Township in compliance with applicable state or federal regulations.
- l) Any wastewater which causes a hazard to human life or creates a public nuisance.
- m) Any unpolluted water including, but not limited to storm water, groundwater, roof water, or noncontact cooling water.
- n) Any waters or wastes containing suspended solids or any constituent of such character and quantity that unusual attention or expense is required to handle such materials at the sewage treatment plant.
- o) Any waste from individual sewage disposal systems except at the POTW Treatment Plant as provided in Section 9 except that waste from any individual sewage disposal system may be disposed of directly into a sanitary sewer upon entering into an agreement with the Township, which agreement shall specify the site of disposal, sewage disposal charge and such other conditions as may be required to satisfy the sanitation and health requirements of the Township. For the purpose of this subsection, "individual sewage disposal system" is defined to include every means of disposing of industrial, commercial, household, domestic or other water-carried sanitary waste or sewage other than a public sanitary sewer.
- p) Any sludge, precipitate or congealed substances resulting from an industrial or commercial process, or resulting from the pretreatment of wastewater or air pollutants.

2. Specific Pollutant Limitations

No person shall discharge wastewater containing in excess of:

- a) N.A. mg/l arsenic
- b) 1.0 mg/l cadmium
- c) 3.0 mg/l copper
- d) 1.0 mg/l cyanide
- e) 0.5 mg/l lead

- f) 0.0005 mg/l mercury
- g) 3.0 mg/l nickel
- h) 0.0002 mg/l silver
- i) 4.0 mg/l total chromium
- j) 3.0 mg/l zinc
- k) 85 mg/l total Kjeldahl nitrogen
- l) 0.30 mg/l phenolic compounds which cannot be removed by the POTW wastewater treatment process
- m) 400 mg/l COD
- n) 100 mg/l by weight of fat, oil or grease
- o) Mg/l BODS
- p) 240 mg/l suspended solids
- q) 15 mg/l phosphorus
- r) N.A. mg/l iron
- s) N.A. mg/l chlorine demand at 30 minutes
- t) N.A. mg/l tin

If any waters are discharged or are proposed to be discharged to the public sewers, which waters contain the substances or possess the characteristics enumerated above, and which in the judgment of the Township 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 Township may:

- a) Reject the wastes.
- b) Require pretreatment to the level defined as “Normal Domestic Sewage.”
- c) Require control over the quantities and rates of discharge.
- d) Require payment to cover the added cost of handling and treating the wastes not covered by existing taxes, sewer charges.
- e) Require new industrial customers or industries with significant changes in strength or flow to submit prior information to the Township concerning the proposed flows.

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

3. National Categorical Pretreatment Standards

Upon the promulgation of the National Categorical Pretreatment Standards for a particular subcategory, the Pretreatment Standard, if more stringent than limitations imposed under this Ordinance for sources in that sub-category, shall immediately supersede the limitations imposed under this Ordinance and shall be considered part of this Ordinance. The Township shall notify all affected Users of the applicable reporting requirements.

4. State Requirements

State requirements and limitations on discharges shall apply in any case where they are more stringent than Federal requirements and limitations or those in this ordinance.

5. Township Right of Revision

The Township reserves the right to establish by ordinance more stringent limitations or requirements on discharges to the wastewater disposal system if deemed necessary to comply with the objectives presented in Section 1 of this Ordinance.

6. No user shall discharge or cause to be discharged any storm water, surface water, groundwater, water from footing drains, or roof water to any sanitary sewer or sewer connection. Any premise connected to a storm sewer shall comply with county, state and federal requirements as well as those of the Township.

Downspouts and roof leaders shall be disconnected from sanitary sewers within six (6) months of the date of this Ordinance. If this is not done, the Township shall perform this work and bill the user.

Storm water, groundwater and all other unpolluted drainage shall be discharged to such sewers as are specifically designed as combined sewers or storm sewers. Discharge of cooling water or unpolluted process water to a natural outlet shall be approved only by the Michigan Water Resources Commission.

7. Grease, oil and sand interceptors shall be provided when in the opinion of the Township they are necessary for the proper handling of liquid wastes containing grease in excessive amounts or any flammable wastes, sand and other harmful ingredients; except that such interceptors shall not be required for private living quarters or dwelling units. All interceptors shall be located as to be readily and easily accessible for cleaning and inspection. Grease and oil interceptors shall be constructed of impervious material capable of withstanding abrupt and extreme changes in temperature. They shall be of substantial construction, watertight and equipped with easily removable covers, which when bolted in place shall be gastight and watertight.
8. Where installed, all grease, oil and sand interceptors or flow equalizing facilities shall be maintained by the owner, at his expense, in continuously efficient operation at all times.
9. The Township may prohibit admission into the public sewers or any waters or wastes containing:
 - a) Five (5) day BOD greater than two hundred (200) parts per million by weight, or
 - b) Containing more than two hundred forty (240) parts per million by weight of suspended solids, or
 - c) Containing more than five (5) parts per million by weight of phosphorus, or
 - d) Containing any quantity of substances having the characteristics described in Section 8.1, or
 - e) Having an average daily flow greater than two percent (2%) of the average daily sewage flow of the Township, or having a rate of flow (gallons per day) greater than ten percent (10%) of the average daily Township flow for a period of one hour or more, shall be subject to review and approval of the Township.

Where necessary in the opinion of the Township the property owner shall provide at his expense, such preliminary treatment as may be necessary to reduce the five (5) day BOD, suspended solids and phosphorus to the concentrations given in a), b), and c) above; or to reduce objectionable characteristics of constituents to within the maximum limits provided for in Section 8.1, or control the quantities and rates of discharge of such waters or wastes.

10. Where the strength of sewage from an industrial, commercial or institutional establishment exceeds
 - 1) 200 parts per million of biochemical oxygen demand; or

- 2) 240 parts per million by weight of suspended solids; or
- 3) 5 parts per million by weight of phosphorus; or
- 4) 100 parts per million by weight of fats, oils, grease; or
- 5) 20 parts per million by weight of total kjeldahl nitrogen

where such wastes are permitted to be discharged to the sewer system by the Township, an added charge, as noted below, will be made against such establishment according to the strength of such wastes. The strength period of time to insure a representative sample. The cost of taking and making the first of these samples shall be borne by the Township. The cost of any subsequent sampling and testing shall be borne by the industry or establishment, whether owner or lessee. Tests shall be made by an independent laboratory or at the Township wastewater treatment plant.

Added charges shall be determined by the Township. These charges shall be based on the cost of operation, maintenance, and equipment replacement for the sewage works.

11. When required by the Township, 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 Township. 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.
12. All measurements, tests and analyses of the characteristics of water to which reference is made in subsections 1 and 8 of Section 8, shall be determined in accordance with the latest edition at the time of "Standard Methods for Examination of Water and Sewage," and shall be determined at the control manhole provided for in subsection 6 Section 5, 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.

All measurement, tests, and analyses of the characteristics of waters and wastes to which reference is made in this Ordinance shall be determined in accordance with the most recent edition of "Standard Methods for the Examination of Water and Sewage," and shall be determined at the control manhole provided for, 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 24-hour composite of all outfalls of a premise is appropriate or whether grab samples should be taken. The responsibilities of industry are further defined below:

- a) One person from each industry shall be delegated the authority to be responsible for industrial wastes admitted to the municipal sewers. Such person would be involved with maintaining the pretreatment facility operations and assuring a continual high level of performance. In case no

pretreatment is provided, such person would be involved with the prevention of accidental discharges of process wastes admitted to the sanitary sewer system. Such person must become aware of all potential and routine toxic wastes generated by their industry. Such person must also be informed of all process alterations which could, in any manner, increase or decrease normal daily flow or waste strength discharged to the sanitary sewers.

- b)** This industrial representative must catalog all chemicals stored, used, or manufactured by their industry. Such a listing should include specific chemical names, not manufacturer's codes. Those wastes admitted to the sanitary sewer are a prime concern; however, all discharges should be cataloged. An estimate of daily average flows and strengths must be made including process, cooling, sanitary, etc. Such a determination should separate the flows according to the appropriate categories. The aforementioned flow and chemical listing is to be sent to the Township.
- c)** The industrial representative shall determine whether or not large process alterations will occur during the next few years; one year, two years, five years. Management should be consulted to determine if such alterations are scheduled and forthcoming.
- d)** A sketch of the plant building(s) must be made, including a diagram of process and chemical storage areas. Location of any pretreatment equipment should be indicated and floor drains located near process and storage areas should be noted. Manhole and sewer locations at the industry's point of discharge into the municipal collection system should be included on the plant layout sketch.
- e)** There must be separation of spent concentrations from the sanitary sewer to prevent toxic wastes from upsetting the municipal biological treatment plant. Supervision and operation of the pretreatment equipment for spent concentrations as well as all toxic wastes and high strength organic wastes to an acceptable level as detailed in this Sewer Use Ordinance is the responsibility of the industrial representative. All sludges generated by such treatment must be handled in an acceptable manner, such as designated areas of a sanitary landfill or by a licensed waste hauler. Adequate segregation of those waters and wastes to be pretreated to meet discharge limits is a vital portion of the industrial effort to prevent operational problems at the wastewater treatment plant.
- f)** Throughout the industry, adequate secondary containment or curbing must be provided to protect all floor drains from accidental spills and discharges to the receiving sewers. Such curbing should be sufficient to hold 150% of the total process area tank volume. All floor drains found within the containment area must be plugged and sealed. Spill trough and sumps within the containment area must be plugged and sealed. Spill trough and sumps within process areas must discharge to appropriate pretreatment tanks. Secondary containment should be provided for storage tanks which may be serviced by commercial haulers and for chemical storage areas.
- g)** An adequate sampling vault or manhole must be provided in an accessible place for municipal treatment plant personnel to obtain samples and flow measurement data. The complexity of the vault will vary with the sampling requirements the Township determines necessary to protect the treatment plant and receiving stream. Should the Township desire continual flow recording and long duration, 24-hour composite sampling, then a more complex manhole would be mandatory -

complete with 110 volt AC. Samples collected could be divided between the industry and Township for analysis if so desired by the industry. The sampling vault should be located so as to give access by Township personnel without entering the industrial property.

- h)** Information and data on a user obtained from reports, questionnaires, permit applications, permits and monitoring programs and from inspections shall be available to the public or other governmental agency without restriction unless the user specifically requests and is able to demonstrate to the satisfaction of the Township that the release of such information would divulge information, processes or methods of production entitled to protection as trade secrets of the user. When requested by the person furnishing the report, the portion of the report which might disclose trade secrets or secret processes shall not be made available for inspection by the public but shall be made available upon written request to governmental agencies for uses related to this ordinance. The National Pollutant Discharge Elimination System (NPFES) Permit, State Disposal System Permit, and/or the pretreatment program; wastewater constituents and characteristics will not be recognized as confidential information. Information accepted by the Township as confidential shall not be transmitted to any governmental agency or to the general public by the Township until and unless a 10 day notification is given to the user.

Industrial cooling water containing such pollutants as insoluble oils or grease or other suspended solids shall be pretreated for removal of the pollutants and then discharged to a Michigan Department of Natural Resources approved drainage outlet

Agents of the Township, County Health Department, Michigan Department of Natural Resources or U.S. Environmental Protection Agency, shall have the right to enter all properties for the purpose of inspecting, measuring, sampling and testing the wastewater discharge and copying applicable pretreatment records.

13. To determine the sewage flow from any establishment, the Township may use one of the following methods:

- a)** The amount of water supplies to the premises by the Township or a private water company as shown upon the water meter if the premises are metered, or
- b)** If such premises are supplied with river water or water from private water company as shown upon the water meter if the premises are metered, or
- c)** If such premises are used for an industrial or commercial purpose of such a nature that the water supplied to the premises cannot be entirely discharged into the sewer system, the estimate of the amount of sewage discharged into the sewer system made by the Township from the water, gas or electric supply, or
- d)** The amount of gallons of sewage discharged into the sewer system as determined by measurements and samples taken at a manhole installed by the owner of the property served by the sewer system at his own expense in accordance with the terms and conditions of the permit issued by the Township pursuant to Section 7, or
- e)** A figure determined by the Township by any combination of the foregoing or by any other equitable method.

14. Excessive Discharges

No User shall ever increase the use of process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained in the National Categorical Pretreatment Standards, or in any other pollutant-specific limitation developed by the Township or State. Dilution may be an acceptable means of complying with some of the prohibitions set for the in Section 8.1, upon prior written approval of the Township.

15. Accidental Discharge

Where required, a User shall provide protection from accidental discharge of prohibited materials or other substances regulated by this Ordinance. Facilities to prevent accidental discharge or prohibited materials shall be provided and maintained at the owner's or user's own cost and expense. Detailed plans showing facilities and operating procedures to provide this protection shall be submitted to the Township for review, and shall be approved by the Township before construction of the facility. All required Users shall complete such a plan with 180 days after the adoption of this Ordinance. If required by the Township, a User who commences contribution of the POTW after the effective date of this ordinance shall not be permitted to introduce pollutants into the system until accidental discharge procedures have been approved by the Township. Review and approval of such plans and operating procedures shall not relieve the industrial user from the responsibility to modify the User's facility as necessary to meet the requirements of this Ordinance. In the case of an accidental discharge, it is the responsibility of the User to immediately telephone and notify the POTW of the incident. The notification shall include location of discharge, type of waste, concentration and volume, and corrective actions.

a) **Written Notice.** Within five (5) days following an accidental discharge, the User shall submit to the Township a detailed written report describing the cause of the discharge and the measures to be taken by the User to prevent similar future occurrences. Such notification shall not relieve the User of any expense, loss, damage, or other liability which may be incurred as a result of damage to the POTW, fish kills, or any other damage to person or property; nor shall such notification relieve the user of any fines, civil penalties, or other liability which may be imposed by this article or other applicable law.

b) **Notice to Employees.** A notice shall be permanently posted on the User's bulletin board or other prominent place advising employees of whom to call in the event of a dangerous discharge. Employers shall insure that all employees who may cause or suffer such a dangerous discharge to occur are advised of the emergency notification procedure.

16. No statement contained in this section shall be construed as preventing any special agreement or arrangement between the Township and any person, firm or corporation whereby waste of unusual strength or character may be accepted by the Township, subject to payment therefore by the person, firm or corporation, provided such waste will not damage the sanitary sewer or storm sewer or sewage treatment plant or the receiving waters.

Section 9. Fees For Pretreatment

1. Purpose

It is the purpose of this section to provide for the recovery of costs from Users of the POTW for the implementation of the pretreatment program established herein. The applicable charges or fess shall be set forth in the Township Schedule of Charges and Fees.

2. Charges and Fees

- a) for reimbursement of costs or setting up and operating the Pretreatment Program,
- b) for monitoring, inspections and surveillance procedures,
- c) for reviewing accidental discharge procedures and construction,
- d) for filing appeals,
- e) for consistent removal by the Township of pollutants otherwise subject to Federal Pretreatment Standards,
- f) and others as the Township may deem necessary to carry out the requirements contained herein.
- g) Additional surcharges may be made by the Township to compensate the Township for the cost of treatment of pollutant loadings not normally treated at or in excess or those treated by the POTW.
- h) There shall be additional charges for laboratory testing of wastewater. The laboratory charge shall be for the cost thereof and will be determined for each Industrial User.

The charges and fees for the services provided by the system shall be levied upon any user which may have any sewer connections with the POTW and which discharges industrial waste to the POTW or any part hereof. Such charges shall be based upon the quantity and quality of industrial wastewater used hereon or therein.

Section 10. Protection from Damage

No unauthorized person shall enter or maliciously, willfully or negligently break, damage, destroy, uncover, deface or tamper with any structure, appurtenance or equipment which is a part of the municipal sewage works.

Section 11. Municipal Liability

The Township shall not be responsible for interruptions of services due to natural calamities, equipment failures, or actions of the system users. It shall be the responsibility of the user that all connected equipment remain in good working order so as not to cause disruption of service or any sewer or treatment plant equipment.

Section 12. Power and Authority of Inspectors

The Township and other duly authorized employees of the Township acting as its duly authorized agent, bearing proper credentials and identification, shall be permitted to enter upon such properties as may be necessary for the purpose of inspection, observation, measurement, sampling and testing in accordance with provisions of this article.

Section 13. Orders

If the Township determines that a user has violated any provision of this Ordinance, the Township may issue an Order to take action deemed appropriate under the circumstances, including but not limited to the following:

1. Immediate Cease and Desist Order

The Township may issue an Order to Cease and Desist from discharging any wastewater, incompatible pollutant, or illegal discharge. Such order shall have immediate effect where the actual or threatened discharge of pollutants to the system presents, or may present, imminent or substantial endangerment to the health or welfare of persons, to the environment, or causes interference with the operation of the public sewers or treatment plant. If action is not taken immediately to correct illegal discharge, the Township will implement whatever action is necessary to halt said discharge. Any penalties, fines, expenses or losses incurred as applicable will be assessed through provisions of the Section entitled "User Charge System."

2. Order to Cease Discharge within a Time Certain

In cases other than those defined above, the Township may issue an Order to Show Cause why an Order to Cease and Desist by a certain time and date should not be issued. The proposed time for remedial action shall be specified in the order to Show Cause. Such order may also contain such conditions deemed appropriate by the Township.

3. Order to Effect Pretreatment

The Township may issue an Order to Show Cause why a user should not be required to pretreat in accordance with this section.

- a) Any user subject to an order to pretreat shall prepare a plan to effect and achieve the pretreatment of its wastewater so that the same shall comply with the requirements of this section. Such plan shall be submitted to the Township within a reasonable period specified in the pretreatment order. The plan shall be prepared in accordance with good engineering practice and shall state whether construction is necessary as well as identify the measure which may be implemented without necessitating construction. The plan shall contain a schedule of compliance for the completion of each of the various phases necessary to implement full pretreatment, which schedule shall be approved by an order of the Township
- b) A pretreatment plan shall include a schedule of compliance consisting of one or more remedial measures, including enforceable timetables for a sequence of actions or operations leading to compliance with an effluent standard, or other prohibition or standard.
- c) The following steps or phases shall be included in the schedule of compliance where applicable and appropriate;
 - 1) Retain a qualified engineer and/or consultant.
 - 2) Obtain any engineering or scientific investigations or surveys deemed necessary.
 - 3) Prepare and submit a preliminary plan to achieve pretreatment.
 - 4) Prepare plans and specification, working drawings, or other engineering or architectural documents which may be necessary to effect pretreatment.
 - 5) Establish a time to let any contract necessary for construction
 - 6) Establish completion items for any construction necessary.
 - 7) Establish a time limit to complete full pretreatment pursuant to the final order.
 - 8) In the event, a phase or unit of construction or implementation may be effected independently of another phase or unit, establish separate timetables for such phase or unit.

4. Order to Perform Affirmative Action

The Township may also issue an Order requiring a user to perform any action required under these regulations, and/or to submit samples; install sampling, metering, and monitoring equipment; submit reports; and permit access for inspection, sampling, testing, monitoring and investigation.

An Order issued by the Township shall contain the facts and grounds for its issuance and the remedial action ordered, together with the time within such action shall be taken. No such Order shall be deemed insufficient, however, for inconsequential errors and omissions in the facts and grounds for the Order. If any user deems the content of the Order to contain insufficient information, it may request additional information from the Township; however, no request shall extend any time limit or defer any payment, except as hereinafter set forth.

In the event noncompliance with an Order is due to factors beyond the reasonable control of the user, as determined by the Township, such noncompliance shall not be in violation and such Order shall be modified to take account of these factors.

An Order shall be subject to amendment, change or revocation, provided notice of such action is served upon the user in the same manner as the original Order and is subject to the same procedure for review and appeal.

Section 14. Administrative Appeals – Board of Appeals

1. In order that the provisions of this Ordinance may be reasonably applied and substantial justice done in instances where unnecessary hardship would result from carrying out the strict letter of these sections, the Township Board shall serve as a Wastewater Board of Appeals. The duty of such Board shall be to consider appeals and to determine, in particular cases, whether any deviation from strict enforcement will violate the intent of the Order or jeopardize the public health and safety.
2. An informal hearing before the Township may be requested in writing by any user or contractee deeming itself aggrieved by any citation, Order, charge, fee, surcharge, penalty or action within ten days after the date thereof, stating the reasons therefore with supporting documents and data.

The informal hearing shall be scheduled at the earliest practicable date, but not later than five (5) days after receipt of the request, unless extended by mutual written agreement. The hearing shall be conducted on an informal basis at the Department of Public Works or at such place as designated by the Township.

3. Appeals from Orders of the Township may be made to the Township Board, acting as a Board of Appeals, within thirty (30) days from the date of any citation, order, charge, fee, surcharge, penalty or other action. Such appeal may be taken by any person aggrieved. The appellant shall file a Notice of Appeal with the Township and with the Board, specifying the ground therefor. Prior to a hearing, the Township shall transmit to the Board a summary report of all previous action taken. The Board may, at its discretion, call upon the Township to explain the action. The final disposition of the appeal shall be in the form of a resolution, either reversing, modifying, or affirming, in whole or in part, the

appealed decision or determination. In order to find for the appellant, a majority of the Board must concur.

The Board of Appeals shall fix a reasonable time for the hearing of the appeal, give due notice thereof to interested parties, and decide the same within a reasonable time. Within the limits of its jurisdiction, the said Board of Appeals may reverse or affirm, in whole or in part, or may make such order, requirements, decision or determination as, in its opinion, ought to be made in the case under consideration, and to that end have all the powers of the official from whom said appeal is taken. The decision of said Board shall be final.

The Board of Appeals shall meet at such times as the board may determine. There shall be a fixed place of meeting and all meetings shall be open to the public in accordance with the applicable laws. The Board shall adopt its own rules of procedure and keep a record of its proceedings, showing findings of fact, the action of the Board, and the vote of each member upon each question considered. The presence of three (3) members shall be necessary to constitute a quorum.

4. All charges for service, penalties, fees or surcharges outstanding during any appeal process shall be due and payable to the Township. Upon resolution of any appeal, the Township shall adjust such amounts accordingly; however, such adjustments shall be limited to the previous one year's billing unless otherwise directed by court order.
5. If an informal or formal hearing is not demanded within the periods specified herein, such administrative action shall be deemed final. In the event either or both such hearings are demanded, the action shall be suspended until a final determination has been made, except for Immediate Cease and Desist Orders issued pursuant to this Section.
6. Appeals from the determinations of the Board of Appeals may be made to the Circuit Court for the County within twenty (20) days as provided by law. Such appeals shall be governed procedurally by the Administrative Procedures Act of the State of Michigan (1979 P.A. No. 306, MCLA 24.201 et seq.). All findings of fact, if supported by the evidence, made by the Board shall be conclusive upon the Court.

Section 15. Enforcement – Operation

The Township is charged with the duty of investigating, preventing and abating violations and enforcing the provisions of this Ordinance.

1. The Township shall be responsible for the supervision and control of the maintenance of the existing sewer line and all new connections. The Township shall be responsible for the supervision and control of all other matters related to the operation, maintenance, alteration, repair, and management of the wastewater collection and treatment system. The Township may employ such person or persons in such capacity or capacities as advisable to carry out the efficient management and operations of the system and may make such necessary or recommended rules, orders and regulations to assure the efficient management and operation of the system, including the setting of rates, surcharges, fees, penalties, or other charges, for the use of said system.
2. The Township is hereby empowered to:

- a) Supervise the implementation of this Ordinance.
- b) Institute actions against all users violating these sections and institute legal proceedings in the name of the Township in a court of competent jurisdiction for the abatement or prevention of any nuisance, injunction relief, damages, or other relief with respect to violations of this Ordinance.
- c) Review the plans for pretreatment equipment submitted by users.
- d) Make periodic inspections and tests of existing and newly installed, constructed, reconstructed, or altered sampling, metering, or pretreatment equipment to determine compliance with the provisions of these sections.
- e) Investigate complaints of violations and make inspections and observations of discharges. Record such investigations, complaints, and observations.
- f) Issues orders requiring compliance with these sections.
- g) Propose the imposition of civil penalties for violations of these sections.
- h) Make recommendations to the Township for amendments to these sections.
- i) Encourage voluntary cooperation by persons of affected groups in water pollution control.
- j) Collect and disseminate information on water pollution control.
- k) Coordinate activities under these sections with planning and zoning agencies to promote conservation and management of the water resources of the Township.
- l) Cooperate with federal, interstate, state, county, district, municipal, or other agencies concerned with water pollution with respect to studies, abatement programs, public complaints, and other matters to conserve and improve the natural resources of the Township.
- m) Institute legal proceedings in the name of the Township in a court of competent jurisdiction to compel compliance with provisions of this Ordinance or any determination or order which may be promulgated or issued pursuant to these sections.

Section 16. Penalties

1. Any person found to be violating any provision of this Ordinance shall be served 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.
2. Any person convicted of a violation of any provision of this Ordinance shall be punished by a fine of not more than \$500, or by imprisonment of not more than 90 days or both, such fine and imprisonment in the discretion of the court. Each day in which any such violation shall continue, shall be deemed a separate offense.

A violation of this Ordinance is also declared to be a public nuisance and the Township may enforce by injunction or other remedy, including the right to correct the violation and bill the owner or person in charge of the premises therefore and if not collected, the bill will become a lien upon the property. Charges for sewer furnished to any premises shall be a lien thereon and any such charges delinquent for six months or more shall be certified annually to the assessor, who shall enter the same on the next tax roll against the premises to which such services shall have been rendered. Such charges shall

be collected and said lien shall be enforced in the same manner as provided for the collection of taxes assessed upon such roll and the enforcement and return thereof.

3. Any business, industry or individual violating any of the provisions of this Ordinance, which results in fines or penalties being levied against the Township, shall become liable for said fine or penalty, plus any expenses, loss or damage occasioned by such violation. This cost would be levied in addition to the fine identified in the section entitled "User Charge System."

Section 17. Records Retention

All Users subject to this Ordinance shall retain and preserve for no less than three (3) years, any records, books, documents, memoranda, reports, correspondence and any and all summaries thereto, relating to monitoring, sampling and chemical analyses made by or in behalf of a User in connection with its discharge. All records which pertain to matters which are the subject of Administrative Adjustment or any other enforcement or litigation activities brought by the Township pursuant hereto shall be retained and preserved by the User until all enforcement activities have concluded and all periods of limitations with respect to any and all appeals have expired.

Section 18. Records

The Township will maintain and keep proper books of records and accounts, separate from all other records and accounts, in which shall be made full and correct entries of all transactions relating to the System. The Township will cause an annual audit of such books of record and account for the preceding operating year to be made by a recognized independent certified public accountant, and will supply such audit report to authorized public officials on request.

In conjunction with the audit, there shall be an annual review of the sewer charge system for adequacies meeting expected expenditures for the following year and to insure proportionality among user classes as required by federal regulations.

Classification of old and new industrial users shall also be reviewed annually.

The Township will maintain and carry insurance on all physical properties of the System, of the kinds and in the amounts normally carried by public utility companies and municipalities engaged in the operation of sewage disposal systems. All monies received for losses under any such insurance policies shall be solely to the replacement and restoration of the property damaged or destroyed.

Section 19. User Charge System

1. Established, to Whom Applicable, Basis for Computations

Rates and charges for the use of the wastewater system of the Township are hereby established. Revisions to the rates for total sewer service charges are to be established by resolution of the Township Board, which may be enacted apart from the published ordinances as necessary to ensure sufficiency of revenues in meeting operation, maintenance and replacement costs, as well as debt service.

2. Amounts, Billings, Sewer Service Charges

The rates and charges for service furnished by such system shall be levied upon each lot or parcel of land, building or premises, having any sewer connection with such system, on the basis of the quantity of water used thereon or therein as the same is measured therein used, or in the absence thereof, by such equitable method as shall be determined by the Township, and shall be collected quarterly except in cases where the character of the sewage from a manufacturing or industrial plant, building or premises is such that unreasonable additional burden is placed upon the system, greater than that imposed by the normal domestic sewage delivered to the system plant, the additional cost of treatment created thereby shall be an additional charge over the regular rates hereinafter set forth; or the Township may, if it deems it advisable, compel such manufacturing or industrial plant, building or premises, to treat such sewage in such manner as shall be specified by the Township before discharging such sewage into the sewage disposal system. Rates for all users obtaining all or part of their water supply from sources other than the Township water system may be determined by gauging or metering the actual sewage entering the system or by metering the water used by them, in a manner acceptable to the Township

The rate to be billed for use of the System shall be as follows for all users within the sewer service area of the Township except as otherwise provided herein:

- a) Surcharge rate for BOD for wastewater in excess of 200mg/l as follows:

User Charge of \$0.003 per pound of BOD

- b) Surcharge rate for Suspended Solids in excess of 240mg/l as follows:

User Charge of \$0.067 per pound of SS

- c) Surcharge rate for Phosphorus in excess of 5 mg/l as follows:

User Charge of \$10.00 per pound of Phosphorus

- d) There shall be an additional charge for laboratory testing of wastewater samples. The laboratory charge shall be for the cost thereof and will be determined for each user.

- e) Flat rates for unmetered customers shall be ~~the debt service charge plus the OM&R charge for a total charge of~~ the debt service charge plus the OM&R charge for a total charge of ~~per quarter per unit factor (refer to Appendix A for unit factor schedule).~~ per quarter per unit factor (refer to Appendix A for unit factor schedule). as shown on the Plainfield Township Wastewater Collection Facility Unit Factor Assignment Schedule and the quarterly usage rate as approved by the Township Board and maintained by the Clerk and attached but not part of this ordinance.(9/21/2016)

The above charges, other than the debt service charges, are user charges to pay the operation, maintenance and replacement of the sewage works and they are the same for customers located inside or outside the Township and the equality of rates shall exist in any future modifications.

3. Annual Audit

The rates hereby fixed are estimated to be sufficient to provide for the expenses of operation, maintenance and replacement of the system as are necessary to preserve the same in good repair and working order. Such rates shall be fixed and revised from time to time as may be necessary to produce these amounts. An annual audit shall be prepared. Based on said audit, rates for sewage services shall be reviewed annually and revised as necessary by the Township Board by resolution to

meet system expenses and to insure that all user classes pay their proportionate share of operation, maintenance and equipment replacement cost.

~~(*) To be established by resolution of the Township Board.(9/21/2016)~~

4. No Free Service

No free service shall be allowed for any user of the Township wastewater system.

5. Billing

Billing for wastewater service shall be the Township responsibility.

6. Termination of Service for Nonpayment

If payment is not received or satisfactory arrangements have not been made by the 16th day of the month, an additional charge of 10% of the total unpaid balance shall be added.

7. Collection of Delinquent Accounts

Unpaid charges for sewage disposal service furnished to any premise within the Township shall be a lien against the premise. Enforcement of this lien shall be made pursuant to Township Code and/or statute. This lien remedy does not preclude any other remedy provided by law. Those premises outside the Township that are served by the Township wastewater system that have delinquent bills will be certified to their governmental unit for collection as provided in the contract between the Township and the governmental unit.

8. Annual Notification

All customers of the Township wastewater system will receive an annual notification, either printed on the bill or enclosed in a separate letter, which will show the breakdown of the sewer bill into its components for operation, maintenance, replacement and for debt service **and any changes for unit factor assignment that may result in a change to their bill at least one quarter before the changes take effect.(9/21/2016)**

Section 20. Variances

Any person, upon written application to the Township within ninety (90) days after the effective date of the ordinance, as amended, who shows, in the case of the activity being conducted or operated, that compliance with Section 8 of this Ordinance would either be impossible or constitute an undue hardship because of time limitations, may be granted a variance by the Township for a reasonable time, not to extend beyond two (2) years from the effective date of this Ordinance, as amended, at which date all variances shall terminate and after which date no new variances will be granted. Any variance granted by the Township within six (6) months from the date of the granting of the variance shall make reports to the Township periodically as to the progress being made toward compliance with Section 8 of this Ordinance. A variance shall not be granted under the provisions of this Section where a person applying therefor is causing a public nuisance or other injury to the general public, or is subject to a National Categorical Standard, and any such variances shown to have been granted under the provisions of this Section shall not be construed to relieve the person who shall receive it from any liability or penalties imposed by other law for the commission or maintenance of a nuisance.

Section 21. Validity, Severability, Conflict

1. The provisions of this article are severable, and if any of the provisions, words, phrases, clauses or terms, or the application thereof to any person, firm or corporation, or to any circumstances, shall be

held invalid, illegal, or unconstitutional by any court of competent jurisdiction, such decision or findings shall not in any way affect the validity, legality or constitutionality of any other provision, word, phrase, clause or term, and they shall continue in full force and effect.

2. All laws and part of laws, all ordinances, codes and regulations which are inconsistent with or in conflict with or repugnant to any provisions of this article, shall be deemed not to apply; provided that nothing herein contained shall be construed to prevent the adoption and enforcement of a law, ordinance, code or regulation which is more restrictive or establishes a higher standard than those provided in this article.

Section 22. Effective Date

This Ordinance shall be effective ten (10) days after publication of said Ordinance as provided by law.

INTRODUCED the 1st day of July, 1991.

FIRST READING: July 24, 1991.

PASSED THIS 24TH day July, 1991.

AYES: Shellenbarger, Bielby, Reidel, Bernard, Chrivia.

NAYES: None

NOT VOTING: None

APPROVED by me this 24th day of July 1991.

Signed Beverly S. Bernard, Township Clerk

Published the 31st day of July 1991.

First Revision: September 21, 2016 – Removed Appendix A from the ordinance and deleted references to Appendix A and changed the document title to “Plainfield Township Wastewater Collection Facility Unit Factor Assignment Schedule”. Document shall remain as an attachment but not a part thereof.

~~APPENDIX A~~(9/21/2016)

**PLAINFIELD TOWNSHIP WASTEWATER COLLECTION FACILITY
UNIT FACTOR ASSIGNMENT SCHEDULE
ADOPTED 9/21/2016**

Single Family Residences.....	1.0 per dwelling
Auto Dealers.....	0.30 per 1000 sq ft
Bait Dealers.....	2.0 per Bait Tank
Barber Shops.....	0.14 per chair
Bars.....	0.044 per seat (capacity)
Beauty Shops.....	0.223 per booth
Boarding Houses.....	0.16 per person
Boarding Schools.....	0.27 per person
Bowling Alleys (no bar, lunch facilities).....	0.16 per alley
Campgrounds.....	0.25 per site-no hook up 0.38 per site-full hook up
Car Wash	
a. Manual, Do-It-Yourself.....	2.5 per stall
b. Semi-Automatic (Mechanical w/o conveyer).....	12.5 per stall
c. Automatic with Conveyer.....	33.0 per lane
d. Automatic with Conveyer Conserving and Recycling Water.....	8.4 per lane
Churches.....	0.008 per seat
Cleaners (pick up only).....	0.048 per employee
Cleaners (pressing facilities).....	1.25 per press
Clinics (minimum assignment – 1.0 unit per profession).....	0.50 per doctor
Convalescent Homes.....	0.30 per bed
Convents.....	0.20 per person
Commercial Cottages.....	0.38 per cottage
Country Clubs.....	0.08 per member
Drug Stores	
a. With Fountain Service.....	0.08 per seat plus 0.14 per 1000 sq ft
b. Without Fountain Service.....	0.14 per 1000 sq ft
Factories (exclusive of excessive industrial use).....	0.50 per 1000 sq ft
Supermarkets.....	0.50 per 1000 sq ft
Hospitals.....	1.09 per bed
Hotels (private bath, 2 persons per room).....	0.38 per room
Laundry (self-service).....	0.50 per standard washer 0.75 per heavy duty washer
Mobile Homes.....	1.0 per mobile home

Mobile Home Parks

- a. Year-round License..... 1.0 per space
- b. Seasonal License (6 month)..... 0.71 per space
- c. Site with Permanent Trailer and Use..... 1.0 per trailer

Motel..... 0.38 per room

Multiple Family Residence..... 1.0 per single family residence space

Office Building..... 0.40 per 1000 sq. ft

Public Institutions other than Hospitals..... 0.32 per employee

Public Restrooms..... 0.20 per stall

Restaurants

- a. Conventional type..... 0.13 per seat
- b. Quick service franchise type, without dishes, dealing mainly in hamburgers with or without eating in building. Includes but not limited to McDonald's, Burger Chef, Burger King, Hardees, etc..... 5.6 per restaurant
- c. All other restaurants (includes but not limited to drive-ins, snack bars, carryouts, such as fried chicken and pizzas, could have some eating in building, all without dishes..... 1.8 per restaurant

Rooming Houses (no meals)..... 0.13 per person

Schools..... 1.0 per teaching station

Service Station..... 0.24 per pump

Store (other than specifically listed)..... 0.16 per employee

Swimming Pool..... 2.85 per 1000 sq ft

Theater (drive-in)..... 0.012 per car space

Theaters (indoor)..... 0.008 per seat

Tourist Courts (individual bath units)..... 0.27 per cubicle

Warehouses..... 0.10 per 1000 sq ft