



SEWER SYSTEM RULES AND REGULATIONS

CUMBERLAND TOWNSHIP AUTHORITY
ADAMS COUNTY, PENNSYLVANIA

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RULES GOVERNING SEWER SERVICES

These Rules are a part of the Contract with every Person who accepts sewer service from the Cumberland Township Authority ("Authority") and every Person or entity, by discharging sewer, agrees to be bound thereby.

The Authority owns and operates its sewer systems. These Rules are administered by the Authority, which has the sole authority and responsibility for any required decisions or approvals as governed by Commonwealth Law and The Pennsylvania Municipality Authorities Act.

These Rules are not intended to conflict with any local, state or federal legislation. Any provisions that are found to be in direct conflict with such legislation shall not be applicable.

SECTION I - DEFINITIONS

Unless the context specifies and clearly indicates otherwise, the meaning of items and phrases pertaining to these Rules & Regulations shall be as follows:

1. "Act 22 of 2001" or related subsequent Acts means, the regulations that defines the calculation charges a municipality can assess a property Owner for collection, conveyance, and capital recovery costs related to the property Owner's connection to the Authority's sewer system.
2. "Authority" means Cumberland Township Authority, a Pennsylvania municipal authority created under the Municipal Authorities Act of 1945.
3. "Basement Floor Drain" means a protected and trapped drain for the purpose of carrying off spent water from the basement of any building, but excluding any drainage from rain water, springs, wells, or other ground or surface water.
4. "Billing Unit" shall include, as applicable, each of the following: a "Commercial Establishment", a "Dwelling Unit", and "Industrial Establishment", and an "Institutional Establishment".
5. "BOD" (Biochemical Oxygen Demand) means the quantity of oxygen expressed in terms of weight and concentration, milligram per Liter (mg/l), utilized in the biochemical oxidation of organic matter under standard laboratory procedure for 5 days at 20° Centigrade.
6. "Building Sewer" means the extension from the sewage drainage system of any structure from the outer wall of the building being served to the lateral of a sewer. The Building Sewer shall be maintained by the property Owner.
7. "Building Sewer Clean-out" means a clean-out on the building sewer just inside or outside the building wall through which the sewer may be cleaned. In the case of existing construction, a clean-out shall be located on the service line.

8. "Building Trap" means a device, fitting, or assembly of fittings installed on the building drain to prevent circulation of air between the drainage system of the building and the service line. In the case of existing construction, the building trap shall be located on the service line.
9. "Commercial Establishment" means any room, group of rooms, building or other enclosure connected directly or indirectly to the sewer system and used or intended for use in the operation of one business enterprise for the sale or distribution of any product, commodity, articles or service used or intended for use for any business, commercial, social, amusement, religious, educational, charitable or public purpose and containing plumbing.
10. "Composite Sample" the sample resulting from the combination of individual wastewater samples taken at selected intervals based on an increment of either time or flow.
11. "Domestic Wastewater" means human excrement and gray water (showers, dishwaters, washing machines, etc.) generated from residential households, institutions, commercial, and industrial establishments, but excluding industrial wastewater.
12. "Dwelling Unit": Space, consisting of one or more contiguous rooms, within a structure intended for long-term residential occupancy for one Person or one family. A dwelling unit can stand alone, be attached to one or more other residential or non-residential units, or be located within a structure with other residential or non-residential units, such as in an apartment building. A dwelling unit can be either Owner occupied or non-Owner occupied. A dwelling unit will typically have a separate entrance, either from the outside or from a common space, and will have separate facilities intended for convenient long-term, independent living such as for cooking, sanitation, and/or sleeping. Each dwelling unit is one EDU for engineering design, capacity charges, or base rental charges.
13. "Grease Recovery Unit" means a device installed in the Building Sewer for the purpose of removing grease from the wastewater.
14. "Grinder Pump" means a pump installed on a pressure lateral that reduces solids in the waste stream to a pumpable size.
15. "Holding Tank Waste" means from holding tanks, such as vessels, chemical toilets, campers, trailers, septic tanks, and vacuum-pump tank trucks.
16. "Improved Property" means any property located within the Township upon which there is erected a structure intended for continuous or periodic habitation, occupancy, or use by human beings or animals and from which structure sanitary sewage and/or industrial waste shall be or may be discharged.
17. "Industrial Establishment" means any room group of rooms, building, or enclosure used or intended for use in the operation of one business enterprise for manufacturing, fabricating, processing, cleaning, laundering, or assembling any product, commodity, or article, or from which any industrial wastewater, as distinct from sanitary sewage, shall be discharged.
18. "Industrial Wastes" means any and all wastes discharged from an Industrial Establishment, as distinct from domestic wastewater.

19. "Inspection Tees" means a "Tee" fitting installed in a Building Sewer with a riser pipe and threaded plug which allows inspection of the Building Sewer.
20. "Interference" is a discharge which, alone or in conjunction with a discharge or discharges from other sources, causes the inhibition or disruption of the POTW, its treatment processes or operations, or its sludge processes, use or disposal, and therefore is a cause of violation of any requirement of the Authority's NPDES Permit, including an increase in the magnitude or duration of a violation. The term includes a discharge which causes the prevention of sewage sludge use or disposal by the POTW in compliance with any of the flowing statutory/regulatory provisions or permits issued thereunder (or more stringent state and local regulations): Section 405 of the Clean Water Act (33 U.S.C. § 1345); the Solid Waste Disposal Act (SWDA) including Title II, more commonly referred to as the Resource Conservation and Recovery Act (RCRA); the Clean Air Act; the Toxic Substances Control Act; the Marine Protection, Research and Sanctuaries Act; and any State regulations contained in any State sludge management plan prepared pursuant to Subtitle D of the SWDA applicable to the method of disposal or use employed by the POTW.
21. "Lateral" means that part of a sewer system extending from a Sewer to the edge of the public right-of-way.
22. "Owner" means any Person vested with Ownership, legal or equitable, sole or partial, of any Improved Property.
23. "Person" means any individual, partnership, company, association, society, corporation, or other group or entity.
24. "pH" means the logarithm of the reciprocal of the concentration of hydrogen ions, expressed in grams per liter of solution, indicating the degree of acidity or alkalinity of a substance.
25. "Plumbing Inspector" means the Person or Persons appointed by the Authority to enforce the terms of these Rules and Regulations.
26. "Publicly Owned Treatment Works (POTW)" a treatment works, as defined by Section 212 of the Act (33 U.S.C. §1292), which is owned, in this instance, by the Authority. This definition includes any devices or systems used in the collection, storage, treatment, recycling and reclamation of domestic or industrial wastewater. It also includes pipes, sewers and other conveyances only if they convey wastewater to a POTW treatment plant. The term also means the municipality as defined in Section 502(4) of the Act (33 U.S.C. § 1362(4)), which has jurisdiction over indirect discharges to, and the discharges from, such a treatment works.
27. "Sewer" means any pipe or conduit constituting a part of the sewer system used or usable for sewage collection.
28. "Sewer System" means all facilities as of any particular time, for collecting, pumping, transporting, treating, or disposing of Sewage and Industrial Waste, owned or to be owned by the Authority.
29. "Significant Industrial User" any nonresidential User of the POTW who is subject to Federal Categorical Pretreatment Standards; or discharges an average of 25,000 gallons per day or more of process wastewater to the POTW (excluding domestic, noncontact cooling and boiler blowdown wastewater); or contributes a process

wastestream which makes up five percent (5%) or more of the average dry weather hydraulic or organic capacity of the POTW treatment plant; or is designated as significant by the Authority on the basis that the nonresidential user has a reasonable potential for adversely affecting the POTW's operation or for violating any Pretreatment Standard or Requirements.

30. "Slug Discharge" any discharge of non-routine, episodic type nature, or at a flow rate or concentration which could cause a violation of the General or Specific Prohibited Discharge Standards.
31. "State" is the Commonwealth of Pennsylvania.
32. "Storm Sewer or Drain" means a pipe or conduit which carries storm, surface water, drainage, and certain industrial waste discharges, such as cooling and air conditioning waters.
33. "Surcharge" means a charge assessed by the Authority to treat a waste with concentrations of various pollutants in excess of those concentrations typical of a domestic wastewater.
34. "Total Suspended Solids" means suspended solids as determined pursuant to the procedure set forth in the latest edition of *Standard Methods for the Analysis of Water and Wastewater* published by the American Public Health Association.
35. "Township" means the Township of Cumberland, Adams County, Pennsylvania, acting by and through its Board of Supervisors.
36. "Toxic Pollutant" one of the pollutants, or a combination of those pollutants, listed as toxic in regulations promulgated by EPA under the provision of Section 307 (a) (33 U.S.C. §1317) of the Act or other acts.

SECTION II - RULES AND REGULATIONS

A. Building Sewers and Connections

1. No Person shall uncover, connect with, make any opening into or use, alter, or disturb in any manner, any Sewer or the Sewer System without first making application for and securing a permit, in writing, from this Authority.
2. Application for a permit shall be made by the Owner of the improved property to be served or his duly authorized agent.
3. No Person shall make, or cause to be made, a connection of any improved property with a sewer until such Person shall have fulfilled each of the following conditions:
 - a) Such Person shall have notified the Authority of the desire and intention to connect such improved property to a sewer.
 - b) Such Person shall have made application for and obtained a permit from the Authority.

- c) Such Person shall have given the Authority at least 24 hours' notice of the time when such connection will be made so that this Authority may supervise and inspect the work of connection and necessary testing.
 - d) Such Person shall have paid to the Authority any fee charged and imposed by the Authority, as required under Section II of these Rules and Regulations.
- 4. Each improved property shall be connected separately and independently with a Sewer through a Building Sewer. Grouping of more than one Improved Property on one Building Sewer shall not be permitted, except under special circumstances and for good sanitary reasons, or other good cause shown, and then only after special permission of this Authority, in writing, shall have been secured and subject to such rules, regulations, and conditions as well as may be prescribed by this Authority.
 - 5. All costs and expenses of construction of a Building Sewer and all costs and expenses of connection of a Building Sewer to a Sewer shall be borne by the Owner of the Improved Property to be connected; and such Owner shall indemnify and save harmless the Township and the Authority, from all loss or damage that may be occasioned, directly or indirectly, as a result of construction of a Building Sewer or the connection of a Building Sewer to a Sewer.
 - 6. A Building Sewer shall be connected to a Sewer at the place designated by this Authority and where the Lateral is provided. If the Lateral is non-existent, it is the property Owner's responsibility to install such Lateral.

The invert of a Building Sewer at the point of a gravity connection shall be at the same or higher elevation than the invert of the Sewer, unless the connection is a pressure connection from a force main discharge, as approved by this Authority. The connection of a Building Sewer to the Lateral shall be made secure and watertight.

- 7. Every Building Sewer of any Improved Property shall be maintained in a sanitary and safe operating condition by the Owner of such Improved Property.
- 8. Every excavation for a Building Sewer shall be guarded adequately with barricades and lights to protect all Persons from damage and injury. Streets, sidewalks, and other public property disturbed in the course of installation of a Building Sewer shall be restored, at the cost and expense of the Owner of the Improved Property being connected, in a manner satisfactory to this Authority.
- 9. If any Person shall fail or refuse, upon receipt of a notice of this Authority, in writing, to remedy any unsatisfactory condition with respect to a Building Sewer, within 60 days of receipt of such notice, this Authority may refuse to permit such Person to discharge Sewage and Industrial Wastes into the Sewer System until such unsatisfactory condition shall have been remedied to the satisfaction of the Authority.

B. Building Sewers and Connection to Sewers

- 1. Where an Improved Property, at the time of connection to a Sewer is required, is served by its own sewage disposal system or device, the existing house sewer line shall be severed on the structure side of such sewage disposal system or

device and attachment shall be made with proper fittings, to continue such house sewer line, as a Building Sewer.

2. No Building Sewer shall be covered until it has been inspected and approved by the Authority. If any part of a Building Sewer is covered before so being inspected and approved, it shall be uncovered for inspection at the cost and expense of the Owner of the Improved Property to be connected to a Sewer.
3. Upon completion of the Sewer System connection, cesspools, sinkholes, septic tanks, or similar waste receptacles shall be abandoned per direction of the Municipal Sewage Enforcement Officer. Such waste receptacles shall be entirely emptied of all their contents. The contents shall be disposed of in accordance with applicable regulatory requirements. Empty receptacles shall be completely filled with sand or non-compactable material or the tank may be dismantled (cover completely removed) and backfilled. Compliance shall be ascertained and enforced by the inspector at the sole expense of the Owner of said waste receptacle.

C. Prohibited Wastewaters and Industrial Waste Discharges

1. No customer shall discharge into the Sewer System any Industrial Waste or commercial process water without first obtaining the permission of the Authority's Board to do so. All industrial waste is subject to regulation by the Authority and the Authority reserves the right at its discretion to refuse connection to the Sewer System, or to compel discontinuance of the use of the Sewers, or to compel pretreatment of Industrial Wastes by an industry.
2. Except as otherwise provided in these Rule and Regulations, no Person, partnership, corporation or other legal entity shall discharge or cause to be discharged any of the following described wastes or waters into the Sewer System:
 - a) Any liquid or vapor having a temperature higher than 140 degrees Fahrenheit or heat in amounts which will inhibit biological activity at the Wastewater Treatment Facility resulting in interference.
 - b) Any water or waste containing more than 100 mg/l of fats, tar, oils and/or grease.
 - c) Any pollutant which will cause corrosive damage to the Sewer System or the Wastewater Treatment Facility.
 - d) Any pollutant, including oxygen demanding pollutants (BOD, etc.) released in a discharge at a flow rate and/or pollutant concentration which will cause interference with the Wastewater Treatment Facility.
 - e) Any trucked or hauled pollutants, except if approved by the Authority and at discharge points designated by the Authority.
 - f) Any liquids, solids or gases which by reason of their nature or quantity are, or may be, sufficient either alone or by interaction with other substances to cause fire or explosion or be injurious in any way to the Wastewater Treatment Facility. At no time, shall two successive readings on an explosion hazard meter, at the point of discharge into the system (or at any point in the system)

be more than five percent (5%) nor any single reading over ten percent (10%) of the Lower Explosive Limits (LEL) of the meter. Prohibited materials include, but are not limited to, gasoline, fuel oil, kerosene, naphtha, benzene, ethylbenzene, toluene, xylene, ethers, bromates, carbides, hydrides and sulfides and any other substances which the Authority, the Commonwealth or the E.P.A. has notified the user is a fire hazard or found to be detrimental to the treatment process.

- g) Any noxious or malodorous gas or substance which, either singly or by interaction with other wastes, shall be capable of creating a public nuisance or hazard to life or of preventing entry into the Sewer System or the Wastewater Treatment Facility for maintenance and repair or which may cause acute worker health or safety problems.
- h) Any water or waste containing any solid wastes with particles greater than one-half inch (1/2") in any dimension, resulting from preparation, cooking and dispensing of food and from handling, storage and sale of produce, which wastes commonly are known as garbage, which have not been ground by household type garbage disposal units or other suitable garbage grinder.
- i) Any solids or viscous substances which may cause obstruction to the flow in the Sewer System or other interference with proper operation of the wastewater treatment facility such as, but not limited to: animal guts or tissues, paunch manure, bones, hair, hides or fleshings, feathers, entrails, whole blood, ashes, cinders, sand, spent lime, stone or marble dust, metal, glass, straw, shavings, grass clippings, rags, spent grains, spent hops, waste paper, cleaning wipes, facial wipes, and baby wipes, either flushable or non-flushable, strings, wood, plastics, gas tar, asphalt residues, residues from refining, or processing of fuel or lubricating oil, mud, or glass grinding or polishing wastes, dental floss, wool or other fibers.
- j) Any water or waste having a pH (as determined by this Authority) lower than 6.0 or higher than 9.0 or having any corrosive property capable of causing damage or hazard to structures or equipment of the Sewer System or the Wastewater Treatment Facility or to Personnel engaged in operation and maintenance thereof.
- k) Any pollutants that are a hazardous waste pursuant to 40 C.R.F. Part 261 unless such pollutant is subject to the domestic sewage exemption under 40 C.R.F. § 261.4 (a) (1) (ii).
- l) Any pollutant which causes pass through or interference.
- m) Any water or waste containing any Toxic Pollutant, as defined below, in quantity sufficient to constitute a hazard to humans or animals or to interfere with any wastewater treatment process of the Wastewater Treatment Facility or that will pass through the Wastewater Treatment Facility in such condition so that it will exceed State, Federal or other validly existing requirements.

Samplings taken to determine the maximum allowable concentration shall be at the point of discharge to the Sewer System.

Toxic Inorganic Substances
Concentration**Maximum Allowable**

Aluminum (ionic form)	10.0 mg/l
Antimony	1.0 mg/l
Arsenic	0.1 mg/l
Barium	5.0 mg/l
Beryllium	1.0 mg/l
Boron	1.0 mg/l
Cadmium	0.02 mg/l
Chromium, total	1.0 mg/l
Copper	0.5 mg/l
Cyanide (total)	0.1 mg/l
Fluorides	1.5 mg/l
Iron	3.0 mg/l
Lead	0.05 mg/l
Manganese	3.0 mg/l
Mercury	0.002 mg/l
Nickel	0.5 mg/l
Selenium	0.1 mg/l
Silver	0.1 mg/l
Sulfate	360 mg/l
Tin	5.0 mg/l
Zinc	0.3 mg/l
Chromium (Hexavalent)	0.05 mg/l
MBAs (Detergent)	1.0 mg/l
Color (Platinum Cobalt Units)	75
Chlorides	250 mg/l
Methylene Chloride	0.2 mg/l

Organic Compounds / Pollutants**Maximum Allowable Concentration**

Acrolein	0.2 mg/l
Acrylonitrile	0.2 mg/l
2,4-dinitrophenol	0.5 mg/l
2-methyl-4,6-dinitrophenol	0.5 mg/l
Alcohols (total)	25.0 mg/l
Phenols	0.001 mg/l
Chlorinated hydrocarbons (total)	2.0 mg/l
Pesticides and Herbicides (total)	0.1 mg/l
Benzidine	50.0 mg/l
Methylene blue	50.0 mg/l
Acetone	50.0 mg/l
Toluene	1.0 mg/l
Ethylbenzene	1.0 mg/l
Naphthalene	1.5 mg/l
Hexachlorobenzene	2.0 mg/l
Chloroform	0.1 mg/l
Total Toxic Organics (TTO)	2.0 mg/l

Upon the promulgation of the Federal Categorical Pretreatment Standards for a particular industrial subcategory, the Federal Standard, if more stringent than limitations imposed under this regulation for sources in that subcategory, shall immediately supersede the

limitations imposed under this regulation. The Authority shall notify all affected Users of the applicable reporting requirements under 40 CFR, Section 403.12.

- n) Any water or waste containing total solids of such character and quantity that special or unusual attention or expense shall be required to handle such water or waste at the wastewater treatment plant for wastewater treatment processes.
- o) Any wastewater containing an excess of 25 mg/l of total phosphorus (TP) unless approved by the Authority's Board under separate agreement. However, no total phosphorus (TP) discharges shall exceed 45 mg/l under any circumstances. See surcharge formula.
- p) Any wastewater containing an excess of 25 mg/l of ammonia nitrogen (NH₃-N), unless approved by the Authority's Board under separate agreement. However, no ammonia nitrogen (NH₃-N) discharges shall exceed 45 mg/l under any circumstances. See surcharge formula.
- q) Any wastewater containing radioactive wastes.
- r) Any wastewater containing a biochemical oxygen demand (BOD) in excess of 250 mg/l, unless approved by the Authority's Board under separate agreement. See surcharge formula.
- s) Any wastewater containing a chemical oxygen demand (COD) greater than 450 mg/l.
- t) Any wastewater containing an excess of 250 mg/l by weight of total suspended solid material, unless approved by the Authority's Board under separate agreement. See surcharge formula.
- u) Any wastewater volume (quantity) which will have a detrimental effect on the collection system, pumps, or treatment units.
- v) Any wastewater containing dyes or other materials with objectionable color that may affect the effluent quality and visual appearance.
- w) Any substance prohibited by any permit issued by the Commonwealth of Pennsylvania.
- x) Any storm water, either from street or gutter inlets or from roof or other rain water connections, surface or subsurface water, exhaust water, steam or other unpolluted drainage.

3. Installation of Sewer Interceptors and Grease Recovery Units

When necessary, all property Owners shall install suitable pretreatment facilities including grease recovery units, in order to comply with the above regulations.

- a) Plans, specifications, and other pertinent information relating to proposed facilities for pretreatment and handling of wastes shall be submitted for approval to this Authority; and no construction of any such facility shall commence until approval thereof is obtained from this Authority or any other governmental body having jurisdiction.

- b) Restaurants or other Commercial Establishments when directed are required to provide a complete grease recovery unit, properly sized to handle anticipated flow rates as manufactured by Low Engineering Company, Thermaco, Inc. or equivalent.
 - c) Interceptors and recovery units shall be installed so as to be readily accessible for service and maintenance. Interceptors and separators shall be maintained by quarterly service and removal of accumulated grease, scum, oil, solids, etc. and by disposal of the material in a lawful manner. A grease interceptor cleaning record verification form and grease disposal receipts shall be provided to this Authority on a quarterly basis. A copy of the appropriate form is attached to these Rules & Regulations, and sewer rates of the Authority and marked Exhibit E.
 - d) Authority personnel may make periodic inspections of these facilities and the associated records to assure proper installation, maintenance, and disposal procedures are being practiced and shall have access to these facilities at reasonable times for these purposes.
- 4. Gas stations and automotive or related repair garages are required to provide oil interceptors of the types Series GA, GX, GNC, GRC of Josam Manufacturing Company, Michigan City, Indiana, or equivalent, in the proper location, where the dangerous liquids are to be intercepted.
 - 5. 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 Federal Categorical Pretreatment Standards, or in any other pollutant - specific limitation developed by the Authority or Commonwealth. (Comment: Dilution may be an acceptable means of complying with some of the prohibitions as set forth in this Section and approved, e.g. the pH prohibition. Such practices must receive written approval from the Authority's Board.)
 - 6. Whenever a Person, partnership, corporation or other legal entity is authorized by the Authority and the appropriate governmental agencies to discharge any polluted water, Domestic Sanitary Sewage, or Industrial Waste containing any of the substances or possessing any of the characteristics referred to in Section II of these Rules and Regulations, such discharge shall be subject to the continuing approval, inspection and review of the Authority. If, in the opinion of the Authority, such discharges are causing or will cause damage to the Sewer System or cause the Authority to be in violation of the Treatment Agreement, the Authority shall order the Person, partnership, corporation or other legal entity causing such discharge to cease doing so forthwith, or to take other appropriate action to eliminate the harmful discharge.
 - 7. Sampling and Testing: Sanitary wastewater and/or Industrial Wastewater being discharged into the sewer system shall be subject to periodic sampling, inspection and testing. Sampling, inspection, and testing shall be made by the Authority as frequently as may be deemed necessary.

Basic testing normally associated with periodic monitoring shall be performed by representatives of the Cumberland Township Authority however the discharger shall be financially responsible for all testing costs when any one parameter

exceeds the allowable limit as established herein. A discharger shall be financially responsible for all testing costs when it has been deemed necessary to provide continued sampling and testing because of a discharger's noncompliance with the Rules and Regulations as contained herein.

8. Nothing contained in this Section shall be construed as prohibiting any special wastewaters of unusual strength or character may be admitted into the sewer system by the Authority's Board either before or after preliminary treatment.

D. Regulations Governing Admission of Industrial Wastes into the Sewage System

1. No Person shall discharge or cause to discharge into the Sewage System any Industrial Wastes except upon application to this Authority and upon receipt of a written permit by this Authority.
2. Required Survey Data: Any Person desiring to make or use a connection to the Sewage System through which Industrial Wastes shall be discharged into the Sewage System shall file with this Authority an "Industrial Wastes Questionnaire", to be provided by this Authority, which shall provide to this Authority pertinent data, including estimated quantity of flow, characteristics and constituents, with respect to Industrial Wastes proposed to be discharged to the Sanitary Sewage System.
3. Control Manhole: Any Person, who shall discharge Industrial Waste into the Sewage System, when required by this Authority, shall construct and thereafter properly maintain, at its own expense, a suitable control manhole and other devices as required by this Authority to facilitate observation, measurement, and sampling by this Authority of Industrial Wastes discharged to the Sewage System.

Any such control manhole, when required by this Authority, shall be constructed at an accessible, safe, suitable, and satisfactory location in accordance with plans approved by this Authority prior to commencement of construction.

4. Changes in Type of Wastes: Any Owner of an Improved Property who is discharging or allows to be discharged wastewaters into the sewer system and who contemplates a change in the operations, processes, or other activities conducted on such improved property that will alter the type of wastewater to be discharged into the sanitary sewer system shall notify the Authority's Board, in writing, at least thirty (30) days prior to the consummation of such change.
5. This Authority reserves the right to require Improved Properties having large variations in rates of waste discharge to install suitable regulating devices for equalizing waste flows to the Sewage System.
6. Where required by the Authority, the user shall provide at his expense such preliminary treatment or handling as may be necessary to modify the objectionable characteristics or control the quantities and rates of discharge of such water or wastes as necessary to reduce BOD to 250 mg/l, total suspended solids to 250 mg/l, and total solids to 600 mg/l, or modify the objectionable characteristics or constituents to come within the maximum limits provided for in these Rules and Regulations.

- a) Plans, specifications, and any other pertinent information relating to proposed preliminary treatment or handling facilities shall be submitted for approval of the Authority and no construction of such facilities shall be commenced until written approval is obtained.
 - b) Where preliminary treatment facilities are provided, they shall be maintained continuously in satisfactory and effective operation at the user's expense. The Authority and/or its authorized representatives shall have continuous access to any preliminary treatment facilities for inspection. Operations of and discharge from said facilities shall be subject to the requirements of all applicable Federal, State, and Local codes, ordinances, laws, and regulations. Operation and testing data from the pretreatment facilities shall be submitted to the Authority each week.
 - c) Industrial Waste being discharged into the Sewer System shall be subject to periodic sampling, testing, and inspection. The analysis of samples so obtained shall be the basis for computing additional charges in accordance with these Rules and Regulations.
 - d) All sample analysis shall be performed by a laboratory certified by the U.S. Environmental Protection Agency and in accordance with the latest edition of *Standard Methods for the Examination of Water and Wastewater* published by the American Public Health Association.
 - e) A normal sampling schedule including the analyses to be performed on the samples shall be included in the Industrial Waste Acceptance Agreement. The cost of this sampling and testing shall be borne by the User and shall be shown as separate charges on the Users sewer bill.
 - f) The Authority reserves the right to perform more frequent sampling and analysis at its own expense.
 - g) A user subject to periodic sampling may request that samples be taken in addition to the normal periodic samples taken by the Authority. The cost of this sampling and analysis shall be borne by the User in addition to the costs for normal sampling and analysis.
7. Industrial waste dischargers shall provide protection from accidental, unauthorized, and slug discharges of prohibited wastes or other substances regulated by the Cumberland Township Authority. The discharger shall provide a plan and facilities to prevent accidental or slug discharges of prohibited materials. Industrial waste dischargers shall report accidental spills immediately by notifying the Cumberland Township Authority office and the Cumberland Township Authority wastewater treatment personnel. Dischargers shall be financially responsible for operational expenses incurred by the Authority resulting from accidental, unauthorized, and slug discharges.
8. The Authority's Board reserves the right to refuse service or permission to connect to the Sewer System in order to prevent damage to the Sewer System, overload to the municipal wastewater treatment facilities, detrimental effect to the biological treatment process, an / or environmental consequences to the stream receiving effluent from the Cumberland Township Authority Wastewater Plant.

9. Whenever a permitted User shall fail to comply with these Rules and Regulations regarding Industrial Waste, the Authority may revoke the user's permit and take whatever action is necessary to protect the Authority's Sewer System and Treatment Plant including without limitation, capping the Users line and preventing the discharge into the Authority's Sewer System.
10. This Authority reserves the right to impose surcharges in connection with any Industrial Waste discharged into the Sewer System either by agreement with the Owner of the Improved Property or by modifications or alterations hereto.

E. Access

This Authority or its representative (Plumbing Inspector) shall have the right of access at reasonable times to any part of any Improved Property served by the Sewer System as shall be required for purposes of inspection, measurement, sampling, and testing and for performance of other functions relating to service rendered by this Authority through the Sewage System.

F. Installation of Building Sewer

Building Sewer shall be subject at all times to the inspection and approval of the Authority or its duly authorized representative who shall have supervision and control over the same.

1. Size: Building Sewer Lines shall in no case be less than four (4) inches in diameter. Where double or multiple homes are permitted to be served by a common line under a special connection permit issued by the Authority, the double or multiple homes shall be served by a six (6) inch line. An approved adapter connecting the Service Line to the Lateral Sewer must be used.
2. Material: Pipe used for Building Sewers or Service Lines shall conform to the following:
 - a) Poly Vinyl Chloride (PVC) Pipe at least four (4) inches in diameter and conforming to A.S.T.M. D-3034 (SDR-35) shall be utilized. Pipe joints shall conform with A.S.T.M. D-3213. All joints must be rubber O-ring. Special backfill is required to assure a compacted minimum density of 90% Proctor to a point minimum slope of 1%.
 - b) New Underground Building Sewer Piping Passing Through or Under Buildings - New underground piping passing through or under buildings shall be Ductile Iron Pipe (DIP). The pipe shall have an inside diameter no less than six (6) inches and shall extend a minimum of five (5) feet on either side of the building foundation. Minimum pipe diameter passing through the wall shall be six (6) inches. All piping installed under concrete slabs shall be subject to the Authority's inspection prior to backfilling and pouring of concrete.
 - c) New Underground Building Sewer Piping Outside Buildings - The Building Sewer shall be SDR 35 PVC pipe with rubber gasket joints. All PVC joints shall be properly cleaned and lubricated. The pipe shall have a minimum inside diameter of four (4) inches. All sewer laterals shall have an inspection tee at the property line as shown in the Typical House Connection Detail in Section V of these Rules and Regulations.

- d) Owners wanting to connect the new Building Sewer to an existing Building Sewer shall demonstrate to the Authority the satisfactory condition of the existing Building Sewer through visual inspection and air testing. Approval to connect to the existing Building Sewer shall be noted on the connection permit. If the existing Building Sewer does not meet the Authority's requirements for inspection and air testing, connection of the new Building Sewer shall be made as close to the existing building as possible. Connection of the new Building Sewer to the existing Building Sewer shall be made with approved transition fittings resulting in infiltration free construction.
 - e) Pipe shall be installed to prevent the admission of groundwater, shall be laid at a minimum grade of 1% with the best possible alignment, and shall have the maximum cover possible to protect the pipe from frost or crushing from surface activity.
 - f) No transition from one pipe size to another or from one pipe material to another shall be made without the use of manufactured adapters designed specifically for that purpose. All changes in direction shall be made with pipe fittings no greater than forty-five (45) degrees. Under certain conditions acceptable to the Authority, sweep ninety (90) degree bends may be used and shall be so noted on the connection permit.
3. Pressure Lateral: The pressure lateral shall include the redundant check valve meeting Authority Standards. This valve shall be located three (3) feet from the curb stop. The pressure lateral shall be 1-1/4inch SDR 21 PVC (200 psi) pipe with rubber gasket joints, buried a minimum of four (4) feet. Thrust blocks shall be provided for all fittings and at all locations where horizontal and/or vertical deflections are made.
- Earth dams shall be provided in the pressure lateral trench for the purpose of stopping the natural flow of water. Earth dams shall be constructed at no greater than fifty (50) feet intervals. All laterals shall have at least one earth dam per lateral. Earth dams shall be constructed from layers of compacted soil. The soil shall be placed by hand and compacted with tools designed for this purpose. As a minimum, the soil shall be placed and compacted in the following three layers: 1) at pipe bottom; 2) at pipe top; 3) twelve (12) inches above top of pipe.
4. Grinder Pump Unit: Grinder pumps may be either (1) semi-positive displacement (Model E-1, Environmental One Corporation, Pentair Pump Group, or approved equal) capable of delivering 12 GPM at 100 feet of TDH, or (2) centrifugal (Pentair Pump Group, or approved equal) capable of delivering 58 GPM at 105 TDH. The Grinder Pump unit location and design shall be approved by this Authority prior to installation. The unit shall be installed in accordance with the Grinder Pump Detail as included in Section V of these Rules and Regulations. All Grinder Pumps shall be purchased, owned and maintained by the property Owner.
5. Bedding Material Requirements for Sewer Pipe: All types of pipe shall be bedded with six (6) inches bedding material and backfilled with approved bedding material that is thoroughly compacted to a depth of at least twelve (12) inches above the top of pipe.
- a) Bedding material shall conform to AASHTO number 8 or PA IB, crushed aggregate, in accordance with the Pennsylvania Department of Transportation's Specifications.

- b) After the pipe has been installed, jointed, inspected, and tested, the trench shall be backfilled with bedding material. Backfill (bedding material) from the top of pipe to a depth of twelve (12) inches over the pipe shall be as specified herein.

From twelve (12) inches over the pipe to the elevation of the final grade, backfill material shall be placed in twelve (12) inch uniform, even layers and each layer shall be carefully and thoroughly compacted by hand operated mechanical tampers. Backfill material within these layers may be placed by machine providing sufficient Personnel are utilized to properly spread the material, to prevent the inclusion of objectionable material and attain complete compaction.

Backfill material from twelve (12) inches over the pipe to final grade shall the material removed from the trench with the exception that no organic material or rock larger than six (6) inches shall be included in the backfill.

- 6. Service lines shall be laid on a grade of not less than 1%. Service lines laid at less than 2% slope shall be installed with a laser for vertical control.
- 7. Service lines must be as direct as possible. Changes in direction must be made with "Y's" and one eighth (1/8) bends or half "Y's", or one eighth (1/8) bends. Any ninety 90° change in direction shall include a clean-out. Changes in size where the sewer lateral is connected to the service line shall be made only with fittings.
- 8. Ditches shall be promptly backfilled after inspection and with the approval by the Plumbing Inspector. Care shall be taken to prevent damage to the pipe in backfilling and obtaining a well compacted and firm trench. No trench shall remain open overnight unless specifically authorized by the Authority or representative and in which case the trench must be deemed stable and must be protected with safety fencing or steel plates as directed.
- 9. On existing Improved Properties as distinguished from future properties to be improved, the service line shall be vented, trapped, and a clean-out and inspection tee placed on the line beyond the building.
 - a) Vents: Except those properties that are properly vented, a vent shall be placed along the house sewer line at a location acceptable to the Plumbing Inspector. Vent risers shall extend a minimum of twelve (12) inches above the ground surface and shall be capped with a mushroom vent or double bend. Vents shall be at least four (4) inches in diameter.
 - b) Traps: Each building shall be provided with a main building trap. The trap may be located wherever possible within the basement of the building or immediately outside the building wall. Note: The vent should be placed upstream of the main building trap.
 - c) Clean-Outs: A clean-out shall be placed immediately following the building trap and at fifty (50) foot intervals along the Building Sewer. Clean-outs shall also be at every change in direction which exceeds forty-five (45) degrees. The clean-out shall consist of a 'Y' fitting in the run of the pipe with a forty-five (45) degree bend and riser to the ground surface. The riser pipe shall be provided with a screw-type ferrule and removable plug.

- d) Inspection Tee: Each Building Sewer shall be provided with an Inspection Tee at the property line or curb line in accordance with the Typical House Connection Detail as included in Section V of these Rules and Regulations. The riser shall be provided with a screw-type ferrule and removable plug.
- 10. Basement Floor Drains or sump pumps may not be connected to the Building Sewer or Sewer System.
- 11. The Authority reserves the right to require air testing for building sewer lines. The procedure for air testing is as follows:
 - a) Low Pressure Air Tests: The sewer customer shall test each service line using low pressure air. Fill shall be placed over the pipe prior to testing, although joints may be left exposed to facilitate evaluation of the air test. The pipe shall be considered acceptable if the air loss rate does not exceed 0.0030 cubic feet per minute per square foot of internal pipe surface when tested at a pressure of 3.0 psi greater than the average backpressure exerted by the ground water of the backfilled pipeline. The time for the air pressure to decrease 1.0 psi from 3.5 to 2.5 psi greater than the average ground water back pressure shall not be less than the time indicated in the following list. If these rates of leakage are exceeded, the contractor shall at his expense determine the source of leakage and make all necessary corrections and retest.
 - i) 4 inch pipe diameter - 2 minutes, 0 seconds
 - ii) 6 inch pipe diameter - 2 minutes, 55 seconds
 - iii) 8 inch pipe diameter - 3 minutes, 57 seconds
 - iv) 10 inch pipe diameter - 4 minutes, 43 seconds
 - v) 12 inch pipe diameter - 5 minutes, 40 seconds
 - b) A minimum period of two (2) minutes shall be provided to allow equilibrium of the air with the pipe wall before test reading shall commence. In areas of high groundwater conditions, the contractor shall determine the height of the groundwater above the pipe for piezometric tube or other approved methods.
 - c) The contractor shall submit to the Authority for approval of the test procedure and list of test equipment he proposes to use prior to testing.
- 12. Upon completion of each service installation, the Plumbing Inspector is to be notified and an appointment made for inspection. All pipes and pipe joints must be visible and accessible to the Plumbing Inspector. If the work is satisfactory, the permit, which must be on hand at the time of the inspection, will be endorsed and returned to the property Owner.
- 13. The property Owner is responsible for the repair or replacement of any leaking or defective service laterals up to the property line.

G. Extension of Authority Owned Facilities

- 1. In cases when a builder, developer or other Person desires sewer to be furnished to a development or specific area, but the Authority declines to provide such extension at Authority expense, the builder, developer or other Person may elect to construct the sewer extension at his own expense. These extensions shall be designed and constructed in accordance with the Authority's *Sanitary Sewer Construction and Material Specifications for Developers*.

2. The builder, developer or other Person shall obtain all necessary permits from the pertinent regulatory agencies for the construction, including DEP Planning Modules. Plans and specifications shall be submitted to the Authority for approval prior to any construction in accordance with the Authority's *Sanitary Sewer Construction and Material Specifications for Developers*.
3. Before construction can commence, the applicant shall post financial security, in a form approved by the Solicitor, with the Authority in an amount established by the Authority to insure payment of all obligations relating to the proposed installation, and the cost of replacing or repairing any part of the extension that has not been constructed in a manner satisfactory to the Authority. The property Owner or developer shall assume all costs associated with posting and release of financial security.
4. A Sewer Extension Agreement as prepared by the Authority's Solicitor and approved by the Authority Board shall be executed between the applicant and Authority under which the applicant agrees to offer to the Authority a Deed of Dedication to the collection system to be installed upon completion of the sewer extension. The Sewer Extension Agreement is an irrevocable offer of dedication of facilities. Such deed shall convey right, title and interest in the collection line to the Authority free and clear of all encumbrances and charges. The Authority agrees to accept such Deed of Dedication upon completion, provided:
 - a) The location plans and specifications for the sewer facilities are approved by the Authority or its representative prior to the start of construction.
 - b) Approval of grades and locations has been obtained from appropriate governmental agencies.
 - c) Sewer facilities have been constructed in accordance with the approved plans and specifications.
 - d) Inspection by Authority or its representative is permitted during all stages of construction, during which the developer shall comply with reasonable requests of the Authority or its representative, as to advance notice of time when inspection is to be made.
 - e) Developer shall cooperate with and assist the Authority in obtaining the necessary Highway Road Occupancy Permits from PennDOT or the appropriate municipality for the laying of sewer mains in public highways. Developer shall pay all expenses relative to compliance with state and local requirements, and shall hold Authority harmless from any costs, including inspection fees, relative to state and local requirements.
 - f) A final inspection has been performed by the Authority or its representative, and all sewer mains and appurtenances are found to be operational and in good repair.
 - g) All streets within which sewer mains and appurtenances to be dedicated to the Authority have been installed, have finished paving, and have been dedicated to the municipality.
 - h) The Authority has voted to accept dedication.

- i) Sewer service may be permitted before dedication provided an engineering statement of acceptability has been received from the Authority's Engineer.
5. The financial security shall not be released in entirety until the improvements are completed to the satisfaction of the Authority, including all final adjustments to grade, acceptance of a Deed of Dedication by the Authority, and posting of security to guarantee the installed improvements for a maintenance period of eighteen (18) months commencing from the date of the acceptance of the Deed of Dedication. The amount of the maintenance guaranty shall be fifteen percent (15%) of the actual cost to install the improvements. The Owner or developer shall specify an estimated date for completion of the improvements. The security posted, less any authorized reductions, shall remain in place through the date of completion.
6. The financial security shall assure completion of the improvements, which are intended to be dedicated to the Authority. The acceptance of this financial security shall in no way bind the Authority to complete these improvements that are typically the responsibility of the Owner or municipality, such as, but not limited to, installation of sewer laterals or mains, or roadway surfacing above subgrade. Where improvements are not completed in compliance with the Authority's Sanitary Sewer Construction and Material Specifications for Developers and/or the development plan, the Authority shall pursue completion of the improvements and enforcement of the financial security.
7. When a service connection is made to the Sewer System or an extension of a sewer main is to be made to serve a development, the Owner or developer is required to extend the sewer mains along streets and/or easement and through property, which is to be served or is subject to the approved development plan, to the farthest limit of the property from the end of the existing sewer facilities to the extended.
8. The Cumberland Township Authority Wastewater System, including the treatment facility and all collection and conveyance system components heretofore made part of the System, are intended to serve the broad public interest in the municipalities served. The System is not intended to further the narrow interests of individual developments, properties or Persons. As such, acceptance of responsibility for Ownership and maintenance by the Authority of facilities constructed by others is subject to a determination by the Authority Board, in its sole direction, the facilities will serve the broad public interest. Some examples that do not serve the broad public interest include, but are not limited to, pump stations and appurtenances that serve individual developments, individual grinder pumps, and neighborhood treatment facilities separate from existing Authority treatment facilities.

SECTION III - SEWER RENTS AND CONNECTION CHARGES

A. General

1. The Authority shall establish and revise, as necessary, such rates, charges and fees for the cost-effective operation and maintenance of the sewer system. Such rates, charges and fees shall be established by resolution and in conformance with local, state, and federal laws and regulations.

2. The Owner of Improved Property served or to be served by the Sewer System, and not a tenant or agent of the Owner, shall be responsible for the payment of all rates, charges and fees of the Authority for use of the Sewer System.

B. Connection Charges

Connection and Tapping Fee Charges (pursuant to Act 203 of 1990) are imposed for each connection made to the Sewer System. Such fees shall be based on the adopted Authority *Schedule of Fees and Charges* at the time of payment and shall be payable at the time of application for connection or at such other time as the property Owner and the Authority agree, or, in the case of projects to service existing development, such fees shall be payable at a time to be determined by the Authority. The fees are in addition to any charges assessed against the proposed construction of a sewer main by the Authority as well as any sewer rentals imposed by the Authority.

These fees may consist of any or all of the following components as applicable:

1. **Connection Fee:** A Connection Fee shall be imposed for all service laterals installed between a sewer main and property line or curb stop if the property was so connected by or at the expense of the Authority. This fee is based upon the costs to the Authority of making such an installation or to inspect the facilities as installed by the property Owner or developer. The Connection Fee may also be based on the average cost of previously installed connections of similar type and size and may be a minimum charge as established by resolution of the Authority to compensate the Authority for inspection of the service lateral installation. However, in no event shall the fee exceed the actual cost of installation. In lieu of payment of the fee, the Authority may require the Owner to install the lateral at his or her own expense.
2. **Customer Facilities Fee:** A Customer Facilities Fee is based on the actual costs of facilities serving the connected property from the property line or curb stop to the proposed building to be served and is only chargeable if the Authority installs the customer facilities. In the case of sewer service, if the property is not equipped with a water meter, the Customer Facilities Fee may include the cost of a water flow meter and its installation, if performed by the Authority.
3. **Tapping Fee:** A Tapping Fee is based on all of the following fee components as applicable and as determined through a Capital Charges Study:
 - a) **Plant Capacity Part:** The Capacity Part of the Tapping Fee is based upon the cost of such facilities, including, but not limited to, source of supply, treatment, pumping, transmission, interceptor and outfall mains, sludge treatment or disposal, or other general system facilities.
This fee may include facilities that provide existing service and/or those that will provide future service. The cost of existing facilities is based on their replacement cost. The cost of future facilities shall not exceed their reasonable estimated cost and may only be taken into consideration if the Authority has taken action to construct or acquire such facilities.
 - b) **Collection Part:** The Collection Part of the Tapping Fee is based on the cost of wastewater collection facilities required to provide service, such as sewer mains and pump stations. This fee may include facilities that provide existing service and/or those that will provide future service. The cost of existing

facilities is based on their replacement cost. The cost of future facilities shall not exceed their reasonable estimated cost.

- c) Special Purpose Part: The Special Purpose Part of the Tapping Fee is applicable only to a particular group of customers, serving a particular purpose, or serving a specific area, and is based on the cost of such facilities, including, but not limited to, booster pump stations, fire service facilities, water or sewer mains, pumping stations and industrial wastewater treatment facilities. This fee may include facilities that provide existing service and/or those that will provide future service. The cost of existing facilities is based on their replacement cost. The cost of the future facilities shall not exceed their reasonable estimated cost.
 - d) Reimbursement Part: The Reimbursement Part of the Tapping Fee is imposed only in those cases where it is necessary to recover costs to reimburse property Owners at whose expense such facilities were constructed, as provided by Section (z) of Act 203 of 1990.
- 4. The Owner of property proposed for future improvement may request sewer reservation from the Authority by submitting a signed Sewer Capacity Reservation Agreement together with a Sewer Capacity Reservation Application as found in the Appendices of these Rules and Regulations. A sewer reservation may be made in the name of the property Owner of the land proposed for improvement, for a bona fide development project, and shall not be transferable to any other property.
 - 5. Sewer reservations shall be allowed only upon determination by the Authority that the requested capacity is available in the Sewer System. Sewer reservations shall not be deemed to waive or diminish compliance with any other requirements for approvals or permits needed for a sewer system connection or extension as found in these Rules and Regulations.
 - 6. The sewer reservation, together with the obligation to pay the associated reserve capacity charges, shall remain in effect until the associated property, which may mean the entire property if only a single unit is to be connected, or individual units or lots in the case of a multi-unit or multi-lot development, is connected to the Sewer System, or until the development for which the reservation was made is no longer viable.
 - 7. Reserve Capacity Charges shall be paid quarterly by the Owner of the property with reserved capacity and shall be in accordance with the Sewer Capacity Reservation Agreement.

C. Sewer Rentals and Charges

The Authority hereby imposes sewer rentals and charges as follows:

- 1. Residential Flat Rate: Sewer rentals or charges for sanitary sewage discharge into the Sewer System from any Improved Property constituting a Dwelling Unit (occupied or vacant) shall be on a flat rate as currently established by this Authority per quarter annum for each dwelling unit.
 - a) For purposes of this Subsection C, each Dwelling Unit in a double house, in a row of connecting houses, in an apartment building or in any other multiple unit

structure shall constitute a separate Dwelling Unit and shall be billed as a separate Dwelling Unit. If two or more families use separate cooking or toilet facilities in an Improved Property, the sewer rental or charge shall be computed as though each such facility was a separate user with a separate connection to a Sewer.

- b) When a structure is demolished, the connection to the sewer system is null and void. The lateral must be removed at the Owner's expense. If another structure is constructed in the future, a new connection must be made, and a new tap fee will be paid by the Owner. Any house or structure that burns down must begin construction of replacement structure within eight (8) months or the connection must be removed at the Owner's expense.
2. Commercial and Institutional Establishments Flat Rate: Sewer Rentals or charges for Sanitary Sewer Discharge into the Sewer System from any Improved Property constituting a Commercial or Institutional Establishment shall be on a flat rate basis as currently established by this Authority per quarter annum for each dwelling unit. The Sewer rental or charge for each such Commercial Establishment or Institutional Establishment (occupied or vacant) shall be determined by multiplying the applicable rate for a single-family dwelling (1 EDU) by the applicable number of billing units assigned to such Commercial or Institutional Establishment set forth herein below.

- a) Commercial and Institutional Establishments are hereby classified according to the following schedule. The applicable number of Billing Units determined in accordance with the following schedule shall be multiplied by the applicable rate per Billing Unit to determine the sewer rental or charge for such Commercial or Institutional Establishment.

The number of Billing Units to be ascribed to schools or similar institutions here under shall be determined on the basis of the average daily membership of pupils during the regular school term preceding the billing period. Employees, including teachers and administrative, shall be treated as pupils for purposes of computations. Each institution must file sworn certificate with the Authority at the beginning of each school year or by September 1st indicating the total number of students enrolled in each facility connected to the Authority sewer system

Each Retail Store or Industrial Establishment which billing unit(s) are established by hours worked on or before December 31 of the preceding year shall file a sworn certificate with the Authority setting forth the total number of hours worked by its employees during the calendar year ending at the time of certification. Included among employee hours shall be all executive, administrative, and part-time Personnel.

- b) Existing dwelling space/use changes will be evaluated by the Authority to determine EDU and billing unit requirements.

USER CLASSIFICATION	MINIMUM BILLING UNITS
1. Single Family Dwelling Unit	1 Unit
2. Retail Store	1 Unit
3. Restaurant, Club, Tavern or other establishment dispensing food or beverages (Each 12 seats or fraction thereof)	1 Unit
4. Convenience Stores	
a. Without Public Restroom	3 Units
b. Each additional Public Restroom	1 Unit
5. Firehouse, Municipal Building, or Similar Use (Each restroom)	1 Unit
6. Drive-In Theater: Each 30 car spaces or fraction thereof	1 Unit
7. In-Door Theater: Each 60 seats or fraction thereof	1 Unit
8. Church	
a. Without kitchen facilities	1 Unit
b. With kitchen facilities	2 Units
9. Small business not otherwise listed e.g., small business attached to single family residence with separate entrance	1 Unit
10. Gasoline Service Station	
a. Without public restrooms	1 Unit
b. Each additional public restroom	1 Unit
11. Retail Garage / Vehicle Repair Garage	
a. 2 Bays or fraction thereof	1 Unit
b. Each bay over 2	0.5 Units
12. Car Wash	
a. Hand Wash, each Bay	2 Units
b. Automatic, each unit	3 Units
13. Laundromat	
a. Each 2 washers (single load)	1 Unit
b. Each 2 washers (double load or greater)	1.5 Units
14. Professional Office	
a. 1-5 Employees	1 Unit
b. Every 5 additional employees	0.5 Units
15. Apartment or Retirement Apartment or Retirement Cottage	1 Unit

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| 16. Motel or Hotel (In addition to Restaurant Facilities) | |
| a. Without kitchen facilities each rental room | 0.5 Units |
| b. With Kitchen facilities each rental room | 1 Unit |
| 17. Schools / Approved Daycare | |
| a. Without Showers (Each 20 Students or fraction thereof) | 1 Unit |
| b. With Showers (Each 5 Students or fraction thereof) | 1 Unit |
| c. With Cafeteria (Each 15 Students or fraction thereof) | 1 Unit |
| d. With Shower and Cafeteria (Each 12 Students or fraction thereof) | 1 Unit |
| 18. Bowling Alley w/o Tavern or Restaurant | |
| a. Each 5 lanes or fraction thereof | 1 Unit |
| b. Every 5 additional lanes | 0.5 Units |
| 19. Industry (Employee/sanitary wastewater only) | 1 Unit |
| 20. Medical Office to include all medical practitioners performing patient care; i.e., Medical Doctors, Nurse Practitioners, Physician Assistants, Dentists, Chiropractors, Optometrists, Therapists, Therapist Assistants, etc. (each practitioner) | 1 Unit |
| 21. Hospital | Metered |
| 22. Convalescent homes (any accessory facilities such as laundry, dining, recreational area, residence, etc., shall be considered separately in addition to beds/residents, as per this section) | |
| a. Skilled nursing care facilities(each bed) | 1 Unit |
| b. Community care facilities w/ 16+ Beds (each bed) | 0.1or 0.5 Units |
| c. Small Community care facilities w/ >16 Beds (each bed) | 1 Unit |
| 23. Bed and Breakfast (each bed) | 0.5 Units |
| 24. Boarding School (each 3 Students or fraction thereof) | 1Unit |
| 25. Barber or Beauty Shop (each 2 chairs or fraction thereof) | 1 Unit |
| 26. Campground | Metered |
| 27. Recreational Facility; i.e., golf course, Miniature golf, batting cages, etc. (Each Public Restroom) | 1 Unit |
| 3. Estimated Sewer Rentals: In the event any retail store, school or industry fails to file an annual statement as required by these Rules and Regulations, the Authority shall estimate the annual sewer rental and such estimate shall be the Sewer Rental due and payable by said user until the required statement is filed, provided however that no rebates shall be paid by the Authority in the event the Certified Statement reveals a lower sewer rental than that estimated by the Authority. | |

4. If two or more Dwelling Units, stores, offices, industrial units, etc. are connected to the Sewage System through a single lateral or if two or more types of use are made on the same Improved Property, the Sewer Rentals, Tapping fees; and charges, payable hereunder, shall be computed as though each such Dwelling Unit, store, office, industrial unit, etc. and each such type of use were a separate Improved Property or user with a separate connection to a Sewer.
5. Additional classifications and sewer rentals or modifications of the above schedule of sewer rental designations may be established by this Authority from time to time as deemed necessary.
6. Nothing herein contained shall be deemed to prohibit this Authority from entering into separate agreements with the Owners of any Improved Property with respect to Sewer Rentals to be imposed in those cases where due to seasonal fluctuations or other unusual circumstances, the Sewer Rentals, Tapping Fees, or charges set forth herein shall be deemed by this Authority to be unfair or inequitable.
7. The fees in accordance with these Rules and Regulation related subsequent Acts together with any estimate of additional costs shall be due and payable at the time application is made by the Owner of any property to the Authority for a permit to connect such property with the Sewer System or established by the Reservation Agreement.
8. All tapping fees, permits, and costs shall be made payable to the Cumberland Township Authority.
9. Industrial / Commercial / Non Residential Establishments - Metered Rate: A wastewater meter or other flow measuring device (e.g. water meter) may be used by an Industrial, Commercial, Campground or other approved establishment only when specifically required by or at the request of the Authority or when such an establishment makes a request to the Authority and the meter installation and method of billing as slated herein are approved by the Authority.
 - a) The Authority will only allow metered rate billing for situations deemed appropriate where there are no other reliable means or methods of determining equivalent dwelling units or volume consistent with the User Classification and Billing Units herein.
 - b) The Authority may also require metering at the point of connection for properties under single Ownership with privately owned sewer systems where it has been demonstrated that excessive inflow and infiltration is occurring within the Owners privately owned sewer system.
 - c) Sewer Rates for Sanitary Sewage not subject to special charge hereunder that shall be discharged into the Sewer System from any Improved Property constituting an Industrial or Commercial Establishment shall be based upon volume of such discharge where the volume of such discharge shall be metered as required or permitted by these Rules & Regulations. In such case, the sewer rental or charge shall be computed quarterly in accordance with the following schedule and subject to the following minimum sewer rental or charge:

METERED RATE SCHEDULE

Metered Waste Discharge: Current rate established by Resolution per 1,000 gallons plus reasonable additional charge for meter reading and special billing procedure.

- d) Meters or other measuring devices which shall be permitted for use in determining volume of sewage waste discharge shall be of type approved for use by the Authority, shall be furnished and installed by the Owner of the Improved Property at his expense, shall be under the control of the Authority and may be tested, inspected, or repaired by the Authority whenever necessary. The Owner of the Improved Property upon which such meter or other measuring device shall be installed shall be responsible for its maintenance and safe keeping, and all repairs thereto shall be made at the expense of the Owner, whether such repairs shall be made necessary by ordinary wear and tear or other causes. Bills for such repairs, if made by the Board, shall be due and payable immediately upon completion of such repairs and shall be collected in the same manner as quarterly bills for sewer rental or charges.

10. Charges for Sanitary Waste Having Certain Characteristics: Wastewater discharges to the Cumberland Township Authority Sewer System shall meet the requirements as outlined in Section II, however the Authority may approve a wider separate agreement that a commercial or industrial user may discharge wastewater having characteristics exceeding the following parameters:

Biochemical Oxygen Demand (BOD)	250 mg/l
Total Suspended Solids (TSS)	250 mg/l
Ammonia Nitrogen (NH ₃ -N)	25 mg/l
Total Phosphorus (TP)	25 mg/l

Surcharges shall be applied as per the following for wastewater discharges having flows above the limits as listed above:

$$\text{Quarterly Surcharge} = 0.00834 \text{ QI} [(BOD-250)A + (SS - 250)B + (NH_3N - 25)C + (TP - 25)D]$$

Whereas: QI =Quarterly flow in MGD as discharged by the Industry. (The Surcharge formula can be utilized with monthly flows and values for a monthly surcharge)

BOD =Biochemical Oxygen Demand (5 day) in mg/l

TSS=Total Suspended Solids in mg/l

NH₃N =Ammonia Nitrogen in mg/l

TP=Total Phosphorus in mg/l

A = Represents the operation, maintenance, capital and treatment costs incurred per thousand pounds of BOD treated at the wastewater treatment facility.

B = Represents the operation, maintenance, capital and treatment costs incurred per thousand pounds of Total Suspended Solids treated at the Wastewater Treatment Facility.

C = Represents the operation, maintenance, capital and treatment costs incurred per thousand pounds of Ammonia Nitrogen treated at the wastewater treatment facility.

D = Represents the operation, maintenance, capital and treatment costs incurred per thousand pounds of Total Phosphorus treated at the wastewater treatment facility.

11. Change in Flat Rate Classifications: If use or classifications of any Improved Property shall change during any billing period, the sewer rental or charge shall be adjusted by the Board, by pro-ratio on a monthly basis to the nearest calendar month, with a credit or charge as shall be appropriate under the circumstances, being made on the statement for the next succeeding billing period.
12. Additional Flat Rate Classifications and Modifications of Flat Rate Classifications: The Board reserves the right, from time to time, to establish rates therefore; and the Board further reserves the right, from time to time, to alter modify, revise or amend flat rate classifications and the rates applicable thereto.
13. Multiple Unit Rates: Each Dwelling Unit, Commercial Establishment, Institutional Establishment or Industrial Establishment located in a Multiple Unit discharging Sanitary Sewage directly or indirectly into the Sewer System shall be billed as a separate entity or unit: irrespective of whether or not such separate entity has separate toilet or waste facilities and irrespective of whether or not such entity or unit has a separate connection to a Sewer, and the applicable sewer rental or charge for such separate entity or unit shall be computed in accordance with the applicable classifications and rate set forth in this Section III as though such separate entity or unit constituted a separate Improved Property.
14. Special Agreements: The Board shall have the right based upon good reason and circumstance existing, to enter into special agreements with the Owner of any Improved Property constituting an Industrial Establishment with respect to terms and conditions upon which Sanitary Sewage and/or industrial wastes may be discharged into the Sewer System and with respect to the payments of sewer rentals or charges in connection therewith. In such event, such service and payments with respect thereto shall be governed by terms and conditions of such special agreement.
15. Fines and costs imposed under provisions of these Regulations shall be enforceable and recoverable in the manner at the time provided by applicable law.
16. Severability: If any provision, paragraph, work, section or article of this Regulation is invalidated by any court of competent jurisdiction, the remaining provisions, paragraphs, words, sections and chapters shall not be affected and shall continue in full force and effect.
17. Conflict: All other Regulations and parts of other Regulations inconsistent or conflicting with any part of this Regulation are hereby repealed to the extent of such inconsistency or conflict.

D. Time and Method of Payment

1. Sewer rental charges are imposed upon and shall be collected from the Owner of each Improved Property connected to the Sewer System.

2. All billing statements for sewer rental charges shall be submitted to the customer for the preceding quarter. Owners of the improved properties connected to the Sewer System during any period of a quarter shall pay a pro-rated sewer rental charge for sewer service for the balance of the quarter.
3. Customers can enroll in the Authority's customer portal to view their bill, make one-time payments, or set up reoccurring payments using their credit card or with a bank account. There is a fee to use a credit card.

Through the portal customers can enroll for paperless/electronic billing (e-billing). By enrolling in e-billing, customers will receive quarterly bills by email instead of by mail. Customers must verify their email address during the registration process. To participate in e-billing customers may have to agree to whitelist their email address. Whitelisting an email adds a specific email address or domain to a list that allows those emails to bypass spam filters or go directly to the customer's inbox. This ensures that important messages are not mistakenly marked as junk. It is the customer's responsibility to contact the Authority if they have any issues receiving an e-bill.

Customers retain the right to revert back to receiving paper bills any time. They must provide a one-billing cycle notice for this request.

4. Sewer rental charges shall be due and payable by the customer as provided in subsection C of this section. The appropriate amount computed in accordance with these Rules and Regulations shall constitute the net bill. Sewer rental charges not paid within thirty (30) calendar days after each billing date, shall be subject to an additional late charge of ten percent (10%) which shall be added to the net bill. The net bill plus the additional 10% penalty shall constitute the gross bill. Payments made or mailed and postmarked on or before the last day of such 30 calendar day period shall constitute payment within such period. If the end of such 30 calendar day period shall fall on a legal holiday or a Sunday, payment made on or mailed and postmarked on the next succeeding weekday which is not a legal holiday, shall constitute payment within such period. Any bill not paid within sixty (60) days of the billing date shall accrue interest at the rate of one percent (1%) per month until paid.

Any account that is three (3) quarters past due will be forwarded to the collection attorney. Prior to forwarding, each account will be reviewed for any abnormalities.

5. Billing for new construction sewer service begins when the Service Line has been inspected by the Authority and is approved for service. Billing for newly purchased properties connected to the Sewer System begins the day after settlement and is pro-rated for the balance of the quarter.
6. Any payment (check or ACH) received by the Authority which is returned unpaid by the financial institution for any reason shall be charged against the account involved and, in addition, charges will be assessed for cost of handling in the amount listed on the Rate Schedule in effect at the time of the returned item. Any account with more than one returned unpaid check will be required to pay by certified check, money order or ACH/credit card portal payment. Checks received will be returned, un-cashed, to customer.

7. Overpayments on accounts will not be refunded to customer but will be applied to future billings.
8. Pursuant to and in accordance with the provisions of Pennsylvania's "Municipal Claims and Tax Liens Act", 53 P.S. §7106(a), (a.1), (a.2) and (a.3), attorney fees shall be collected in connection with the collection of delinquent accounts, including municipal claims and municipal liens, in accordance with the Schedule of Rates and Charges in effect at the time of collection, in light of the factors set forth in §7106.(a.1)(1)-(4) [53 P.S. §7106.(a.1)(1) – (4)]:
9. Hourly compensation at the prevailing rate charged to the Authority for all work of the Solicitor. This fee rate can be changed annually by the Authority as part of the Authority's annual adoption of its fee schedule.

E. Change in Address, Ownership or Tenancy

1. Every Owner of Improved Property which is connected to the Sewage System initially shall provide this Authority with and thereafter shall keep this Authority advised of his correct address. Failure of any Person to receive bills for Sewer Rentals or charges shall not be considered an excuse for nonpayment nor shall such failure result in an extension of the period of time during which the net bill shall be payable.
2. Every Owner of Improved Property which is connected to the Sewage System shall advise the Authority in writing on any change of Ownership of the Improved Property. Failure to provide notice to the property Owner from any sewer rentals or charges that may accrue until such time as the Authority has been notified of an Ownership change.
3. All bills for sewer service shall be placed in the name that appears on the Deed. Accounts will not be placed in tenant's names.

F. Reserve Rental Charges

1. Application for Reservation of Sewer Capacity
 - a) Persons desiring wastewater treatment service shall submit a written application to the Authority on a form provided by the Authority which may be revised by the Authority from time to time.
 - b) Said written request shall include or be accompanied by: the plans then under review with Cumberland Township Planning Commission or Cumberland Township Board of Supervisors, a project location map and information in regard to the intended number and type of EDU's to be served, the estimated average wastewater discharge from the proposed Project, a preliminary schedule of when treatment capacity will be needed.
 - c) The Authority shall, at its sole discretion, and when it is deemed necessary based upon the advice of its Engineer and/or other consultants and considering all other factors and conditions in regard to the sewer system existing at the time of the written request, determine whether sewer capacity for the Project is available.

- d) The Authority will act upon applicant's written request within ninety (90) days of receipt thereof, and written notice of the Authority's decision will be given to the Persons making the request.
- e) Should the Authority determine that capacity for the proposed project be available; a detailed review will be undertaken. Prior to undertaking such review, the Authority will require from applicant an escrow deposit in an amount determined to be appropriate by the Authority.
- f) The escrowed funds shall be used to reimburse the Authority for all professional services, including but not limited to legal and engineering services, and other costs incurred during the review, comment and inspection phases of the proposed project including the preparation of a Developers Agreement or Sewer Extension Agreement.
- g) Applicant's escrow account will be affected throughout all applicable phases of Applicant's proposed project including, but not limited to, application, review, construction, inspection and dedication of a sewer extension, if any. Any unused portion of the escrow deposit will be returned to Applicant upon completion of the final phase of the proposed project.
- h) Willingness To Serve Letters will only be issued after the Reservation Agreement is executed.
- i) For purposes of review and comment by the Authority, Applicant shall prepare and submit a completed DEP Sewage Facilities Planning Module and a preliminary plan for the proposed project, along with a completed Application for Reservation of Capacity in the Authority's wastewater treatment plant on a form provided by the Authority. The Authority will act upon the application within ninety (90) days of its receipt of the same.

2. Imposition of Charges

- a) A quarterly reserve rental charge for reserved capacity is hereby imposed upon the following:
 - 1. Any Applicant for the reservation of sewer capacity for any lot or lots for which a building permit is not simultaneously requested.
 - 2. Any Applicant who has heretofore made application for a sewer connection and/or paid a sewer connection fee, but for whatever reason has failed to make any connection to said sewer system within six (6) months from the date of application and/or payment.
 - 3. Such other properties which the Authority, in its discretion, determines should be subject to reserve rental charges due to actions or lack thereof by the Owner/Developer.
- b) The annual reserve rental charge shall be applicable and continue in effect until any of the following events occur:
 - 1. The total reserved capacity has been utilized or consumed by Applicant.

2. Any unused reserved capacity has been cancelled by the Applicant for whom it was reserved or by the Authority as hereinafter provided.
 3. A period of five (5) years shall have expired from the date that the Developer's Agreement and/or Sewer Extension Agreement was executed by the Authority.
3. Rates
 - a) The reserve rental charge for reserved capacity shall be as follows:
 1. A quarterly charge of sixty percent (60%) of the duly established quarterly user fee for each EDU reserved. Multi-family residential units with a common connection to the sewer system will be charged as one residential charge for each living unit.
 - b) The rate of the annual reservation of capacity charge may be changed by the Authority from time to time at the Authority's sole discretion. In the event of such a reserve rental charge rate change, the Authority shall notify all Persons subject to the reserve rental charge in writing of the change and the amount thereof. The effective date of the change will occur on the first quarterly billing following the adoption of the Authority's Resolution implementing the change.
4. Administrative Charges
 - a) An administrative charge is an amount established by the Authority from time to time as part of its annual Fee Resolution which is nonrefundable, shall be due and payable within thirty (30) days of Applicant's receipt of written notice of the Authority's acceptance of its application for reservation of capacity. Said administrative fee should accompany a complete and fully executed Sewer Agreement prepared by the Authority. Said administrative charge is reasonably designed to cover the cost of administering Applicant's request for sewer capacity and all matters related thereto.
5. Due Dates and Collection
 - a) The annual reserve rental charge shall be paid quarterly, in advance, as of the first day of January, April, July and October of each calendar year. If Applicant's first payment becomes due within a quarterly billing, the rental charge shall be prorated from the date it became due to the beginning of the next following quarterly billing.
 - b) Applicant's first quarterly payment or proration thereof shall become due and payable when the Sewer Agreement is signed.
6. Failure to Pay Charges
 - a) A penalty of one and one-half (1.5%) percent per month shall be added thirty (30) days after the date upon which a quarterly payment is due and remains unpaid.
 - b) The Authority shall not issue a connection permit to or for the use of any Applicant or Developer for which a quarterly payment is due and has remained unpaid for thirty (30) days.

- c) The Authority shall not allow any Applicant or Developer to connect to the system where a quarterly payment is due and has remained unpaid for thirty (30) days.
- d) All quarterly payments which shall be due and remain unpaid for a period of ninety (90) days may be entered as a lien pursuant to the Municipal Lien Law against the real estate of Applicant or Developer/Owner for which such charges were unpaid.

G. Enforcement

Any Person, partnership, corporation or other legal entity who violates these Rules and Regulations shall be subject, upon summary conviction for a first offense and upon summary conviction for each subsequent offense, to a fine of not less than One Hundred Dollars (\$100) nor more than One Thousand Dollars (\$1,000), together with costs of prosecution in each case, and in default of payment of such fine shall be subject to imprisonment up to 90 days. Each day that a violation continues shall be deemed as a separate offense and shall be punishable as such. Each discharge of a substance in excess of the maximum allowable concentration shall also be deemed and shall be taken as a separate violation. In addition to the penalties provided herein, the Authority may sue at law or in equity to enjoin violations herein and in addition to damages may recover reasonable attorney's fees, court costs, court reporter's fees and other expenses of litigation by appropriate suit at law or in equity against the Person, partnership, corporation or other legal entity found to have violated these Rules and Regulations, or the orders, rules, regulations, and permits issued hereunder.

SECTION IV - MISCELLANEOUS

- A. These Rules and Regulations shall become effective immediately upon date of adoption.
- B. Any Sewer Rentals or charges deemed delinquent, pursuant to these Rules and Regulations, shall be cause for termination of service and shall be collected in any manner appropriate under law at the time in effect.
- C. This Authority reserves the right to adopt additional rules and regulations as it shall deem necessary and proper in connection with use and operation of the Sewage System, which rules and regulations shall be, shall become, and shall be construed as part of these Rules and Regulations.
- D. This Authority shall in accordance with applicable Federal guidelines, provide for annual review and revision of all user charges and revise them periodically, if necessary, to meet actual operation and maintenance expenses and records shall be maintained as are necessary to document compliance with future regulations on the Authority's user charges.
- E. In the event any provision, section, clause, or part of these Rules and Regulations be held to be invalid, such invalidity shall not affect or impair any remaining provision, section, sentence, clause, or part of these Rules and Regulations, it being the intent of this Authority that such remainder shall be and shall remain in full force and effect.

SECTION V - APPENDICES

Exhibit A – Application/Permit

Exhibit B – Application for Reservation of Sewer Capacity

**Exhibit C – Grease Interceptor Cleaning Record Verification
Form**

Exhibit D - Standard Installation Details

Exhibit E – Fee Schedule (Subject to Change)

North Plant:

Maximum permitted amount of charge per EDU

1. Connection Fee	Actual Cost or \$ 90.00 minimum
2. Customer Facilities Fee	Actual Cost
3. Tapping Fee Total	\$ 4,430
a) Capacity Part	\$ 2,391
b) Collection Part	\$ 2,039
c) Special Purpose Part	As Applicable
d) Reimbursement Component	Per Reimbursement Agreement

South Plant:

Maximum permitted amount of charge per EDU

1. Connection Fee	Actual Cost or \$90.00 minimum
2. Customer Facilities Fee	Actual Cost
3. Tapping Fee Total	\$ 5,812
a) Capacity Part	\$ 2,206
b) Collection Part	\$ 3,606
c) Special Purpose Part	As Applicable
d) Reimbursement Component	Per Reimbursement Agreement

Special Purpose Fees:

1. Willoughby Run Road Pump Station (WRPS)	\$ 981
2. Old Mill Road Pump Station (OMRPS)	\$ 2,391
3. Biglerville Road Pump Station (Rt. 34)	\$ 1,338