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**READING REGIONAL
AIRPORT AUTHORITY**

**STANDARDS AND REGULATIONS
FOR CONTRIBUTORS
TO THE
READING REGIONAL AIRPORT
SEWAGE SYSTEM**

JANUARY 2003



Prepared for:

**Reading Regional Airport Authority
2501 Bernville Road
Reading PA 19605**

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READING REGIONAL AIRPORT AUTHORITY

Resolution No. _____

A RESOLUTION OF THE BOARD OF THE READING REGIONAL AIRPORT AUTHORITY (**AUTHORITY**) PROVIDING FOR COLLECTION AND TREATMENT OF WASTEWATER DISCHARGED THERETO, UPON OWNERS OF IMPROVED PROPERTY WHICH ARE CONNECTED TO THE READING REGIONAL AIRPORT AUTHORITY'S SEWAGE SYSTEM; UPON OTHER PERMITTEES DISCHARGING WASTEWATER INTO THE AUTHORITY'S WASTEWATER COLLECTION AND TREATMENT SYSTEM (**SYSTEM**); PROVIDING FOR COLLECTIONS AND FOR FILING OF LIENS; REGULATING THE DISCHARGE OF SANITARY SEWAGE AND INDUSTRIAL WASTEWATER INTO THE SYSTEM.

The Board of the Reading Regional Airport Authority, Berks County, Pennsylvania, hereby resolves as follows:

SECTION 1 - GENERAL PROVISIONS

1.1 Purpose and Policy

This Resolution sets forth uniform standards for direct and indirect contributors into the wastewater collection and treatment system for Reading Regional Airport Authority (**Authority**) and enables the Authority to comply with all applicable state and federal laws required by the Clean Water act of 1977, as amended, 33 U.S.C. 1251, et seq. and the General Pretreatment Regulations (40 CFR Part 403).

The objectives of this Resolution are:

- (a) To prevent the introduction of pollutants into the Authority's wastewater collection and treatment system (**Sewage System**) which will interfere with the operation of the system, including interference with use or disposal of the resulting sludge by contaminating the sludge;
- (b) To prevent the introduction of pollutants into the Authority's system which will pass through the system, into receiving waters or otherwise be incompatible with the system;
- (c) To improve the opportunity to recycle and reclaim wastewater and sludge; and
- (d) To provide for equitable distribution of the cost for operating and maintaining the Authority's system.

This Resolution provides for the regulation of direct and indirect contributors to the Authority's system through the issuance of permits to certain users and through enforcement of general requirements for the other users, authorizes monitoring and enforcement activities, requires user reporting, assumes that existing customers' capacity will not be preempted, and provides for the setting of fees for the equitable distribution of costs resulting from the program established herein.

This Resolution shall apply to users connected to the Reading Regional Airport Authority system and to persons outside the Authority who are, by contract or agreement with the Authority, Users of the Authority's system. Except as otherwise provided herein, the Reading Regional Airport Authority shall administer and implement the provisions of this Resolution. Enforcement of this Resolution shall be the responsibility of the United States Environmental Protection Agency (**USEPA**), the Pennsylvania Department of Environmental Protection (**DEP**), the Reading Regional Airport Authority, or all.

1.2 Definitions

Unless specifically indicated otherwise, the following terms and phrases, as used in this Resolution, shall have the meanings hereinafter designated:

- (1) Abnormal Strength Waste: Means any waste having a BOD, suspended solids or dissolved solids concentration in excess of that found in normal domestic waste but which is otherwise acceptable to be discharged into a sewer under terms of this article.
- (2) Act or the Act: The Federal Water Pollution Control Act, also known as the Clean Water Act, as amended, 33 U.S.C. 12151, et seq.
- (3) Approval Authority: The Director in an NPDES State with an approved State Pretreatment Program and the Administrator of USEPA in a non-NPDES State or NPDES without an Approved State Pretreatment Program.
- (4) Authority: The Reading Regional Airport Authority, a Pennsylvania municipal authority.
- (5) Authority Representative: Shall mean such person designated by the Authority to represent them.
- (6) Authorized Representative of Industrial User: An authorized representative if 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 proprietor, respectively; or (c) a duly authorized representative of the individual designated above if this representative is responsible for the overall operation of the facilities from which the indirect discharge originates.

- (7) Biochemical Oxygen Demand (BOD): The quantity of oxygen utilized in the biochemical oxidation of organic matter in a sample of water, determined under standard laboratory procedure (five (5) days at 20 degrees centigrade), and expressed in terms of weight and volume (milligrams per liter (mg/l)).
- (8) Building Sewer: The User owned sewage collection system from the User's building to the point of connection to the Authority's Sewage System
- (9) Categorical Standards: National Categorical Pretreatment Standards or Pretreatment Standard set forth by EPA specifying quantities or concentrations of pollutants or pollutant properties which may be discharged to a POTW by existing or new industrial users in specific industrial subcategories, 40 CFR 403.6. These standards shall be in addition to all applicable pretreatment standards and requirements promulgated by EPA in Section 307 (b) and (c) of the CWA applicable to Industrial Users, including the general and specific prohibitions found in 40 CFR 403.5.
- (10) Chlorine Demand: Means the quantity of chlorine absorbed in water, sewage, or other liquids, allowing a residual of 0.1 mg/L after 15 minutes of contact.
- (11) Color: Of an industrial waste means the color of the light transmitted by the waste solution after removing the suspended material including pseudocolloidal particles.
- (12) Collection System: Shall mean sanitary sewer system as defined herein.
- (13) Commercial Establishment: Any improved property used, in whole or in part, for sale and distribution of any product, commodity, article or service. Any manufacturing or production or finishing of a product shall constitute an industrial process and denominate the establishment as an Industrial User and not commercial establishment.
- (14) Commercial User: A non-residential, non-industrial user that uses its premises for the sale of products and/or services to the general public or others at retail or wholesale costs.
- (15) Commercial Wastes: Any wastes generated from a commercial operation as distinct from Domestic Sewage and Industrial Wastes.
- (16) Commonwealth: The Commonwealth of Pennsylvania.
- (17) Composite Sample: A combination of individual samples obtained at regular intervals over a specified time period. Either the volume of each individual sample is proportional to discharge flow rates, or the sampling interval (for constant volume samples) is proportional to the flow rates over the time period

used to produce the composite. The maximum time period between two individual samples shall be 2 hours.

- (18) Conveyance System: Shall mean sanitary sewer system as defined herein.
- (19) Cooling Water: The water discharged from any use such as air conditioning, cooling or refrigeration, or to which the only pollutant added is heat.
- (20) Department Of Environmental Protection or DEP: The Pennsylvania Department Of Environmental Protection.
- (21) Direct Discharge: The discharge of treated or untreated Wastewater directly to the waters of the Commonwealth of Pennsylvania.
- (22) Dissolved Solids: Means the anhydrous residues of the dissolved constituents in water or wastewater.
- (23) Domestic Consumer Unit: Any room, group of rooms, or enclosure occupied, or intended for occupancy, as separate living quarters by a family or other group of persons living together or by a person living alone.
- (24) Domestic Sewage: The normal water-carried household and toilet wastes from any improved property.
- (25) Environmental Protection Agency or EPA: The United States Environmental Protection Agency.
- (26) Equivalent Domestic Consumer Unit: Volume not in excess of 12,500 gallons per calendar quarter of standard strength Domestic Sewage or Industrial or Commercial Wastes, based upon water consumption, or adjusted water consumption or metered sewage, whichever of these methods is applicable for the determination of volume, as provided in this Resolution.
- (27) Existing Sewage System: The Authority's existing Sewage System and related facilities.
- (28) Extra Strength Waste: Shall mean abnormal strength waste as defined herein.
- (29) Extra Strength Waste Surcharge: Shall mean a charge levied on industrial and commercial users of the treatment works (POTW) for the additional cost of treating abnormal strength wastes.
- (30) Garbage: Solid wastes from the preparation, cooking and dispensing of food, and from the handling, storage and sale of produce.
- (31) Grab Sample: A sample, which is taken from a waste stream on a onetime basis with no regard to the flow in the waste stream and without consideration of time. An individual sample collected in less than 15 minutes (40 CFR 403 Appendix E).

- (32) Ground Garbage: The residue from the preparation, cooking and dispensing of food that has been shredded to such degree that all particles shall be carried freely in suspension under the normal flow conditions prevailing in the sewer conduit to which they are contributory and those prevailing in public sewers with no particle greater than one-half inch in any dimension.
- (33) Holding Tank Waste: Any waste from holding tanks such as vessels, chemical toilets, campers, trailers, septic tanks, pretreatment holding tanks, and vacuum pump tank trucks.
- (34) Improved Property: Any property connected to and served by the Sewage System 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 Domestic Sewage or Industrial or Commercial Waste is or may be discharged.
- (35) Indirect Discharge: The discharge or the introduction of non-domestic Pollutants from any source regulated under Section 307(b), (c) or (d) of the Act, (33 U.S.C. 1317) into the POTW.
- (36) Industrial Establishment: Any Improved Property used, in whole or in part, for manufacturing, growing, processing, cleaning, laundering, or assembling any product, commodity or article.
- (37) Industrial User: A source of Indirect Discharge which does not constitute a "discharge of pollutants" under regulations issued pursuant to Section 402 of the Act (33 U.S.C. 1342).
- (38) Industrial Wastes: Any solid, liquid or gaseous substance or form of energy ejected or escaping from any industrial, manufacturing, trade or business process or from the development, recovery or processing of natural resources, as distinct from Domestic Sewage and Commercial Wastes.
- (39) Industrial Waste Discharge Permit: Means a permit issued by the Authority permitting an industrial user to discharge liquid industrial wastes into the POTW.
- (40) Infiltration: Means the water entering a sewer system and service connections from the ground through such means as, but not limited to, defective pipes, pipe joints, connections and/or manhole walls. Infiltration does not include and is distinguished from inflow.
- (41) Inflow: Means the water discharged into a sewer system and service connections from such sources as, but not limited to, roof leaders, cellar, yard and area drains, from springs and swampy areas, manhole covers, cross connections from storm sewers and combined sewers, catch basins, storm waters, surface runoff, street

wash water, or drainage. Inflow does not include and is distinguished from, infiltration.

- (42) Institutional Establishment: Any Improved Property not constituting a Commercial Establishment, Domestic Consumer Unit or Industrial Establishment that is used by any group of Persons not constituting a separate entity.
- (43) Interference: A discharge which, alone or in conjunction with a discharge or discharges from other sources, both:
- (a) Inhibits or disrupts the POTW, its treatment processes or operations, or its sludge processes, use or disposal; and
 - (b) Therefore is a cause of a violation of any requirement of the POTW's NPDES permit, including an increase in the magnitude or duration of a violation, or of the prevention of sewage sludge use or disposal in compliance with the following statutory provisions and regulations or permits issued there under (or more stringent State or local regulations): Section 405 of the, Clean Water Act, the Solid Waste Disposal Act (SWDA) (including Title II, more commonly referred to as the Resource Conservation And Recovery Act (RCRA), and including State regulations contained in any State sludge management plan prepared pursuant to Subtitle D of the SWDA), the Clean Air Act, the Toxic Substances Control Act, and the Marine Protection, Research and Sanctuaries Act.
- (44) Manhole: Means a shaft or chamber leading from the surface of the ground to a sewer which is large enough to enable a person to gain access to the latter.
- (45) May: is permissive; shall is mandatory.
- (46) Mg/L: Means milligrams per liter and is equivalent to parts per million by weight.
- (47) Multiple Dwelling: Means any improved property in which shall be located more than one dwelling unit.
- (48) Municipality: means the Township of Bern.
- (49) National Categorical Pretreatment Standards or Pretreatment Standard: Any regulation containing pollutant discharge limits promulgated by the EPA in accordance with Section 307(b) and (c) of the Act (33 U.S.C. 1347) which applies to a specific category of Industrial Users, 40 CFR 403.6.
- (50) National Pretreatment Standards; Prohibitive Discharges: Any regulation developed under the authority of Section 307(b) of the Act and 40 CFR, Section 403.5.

- (51) New Source: Any building, structure, facility or installation from which there is or may be a discharge of Pollutants, the construction of which commenced after the publication of proposed Pretreatment Standards under Section 307(c) of the Act which will be applicable to this source if these Standards are thereafter promulgated in accordance with that section, provided that:
- a. The building, structure, facility or installation is constructed at a site at which no other source is located; or
 - b. The building, structure, facility or installation totally replaces the process or production equipment that causes the discharge of Pollutants at an existing source; or
 - c. The production or Wastewater generating processes of the building, structure, facility or installation are substantially independent of an existing source at the same site. In determining whether these are substantially independent, factors such as the extent to which the new facility is integrated with the existing plant, and the extent to which the new facility is engaged in the same general type of activity, as the existing source should be considered. (40 CFR 403.3 (k)(1).
- (52) National Pollution Discharge Elimination System, for NPDES Permit: A Permit issued pursuant to Section 402 of the Act (33 U.S.C. 1342).
- (53) Normal Strength Waste: Means sewage which, when analyzed, shows a daily average of not more than 300 mg/L of Total Suspended Solids, 200 mg/L BOD₅, 700 mg/L Dissolved Solids, and/or 5.0 mg/L Phosphorous.
- (54) Pass Through: A discharge that exits the POTW into the waters of the United States in quantities or concentrations that, alone or in conjunction with a discharge or discharges from other sources, is a cause of a violation of any requirement of the POTW's NPDES permit (including an increase in the magnitude or duration of a violation) 40 CFR 403.3(n).
- (55) Person: Any individual, partnership, co-partnership, firm, company, corporation, association, joint stock company, trust, estate, governmental entity or other legal entity, or their legal representatives, agents, or assigns. The masculine gender shall include the feminine, the singular shall include the plural where indicated by the context.
- (56) pH: The logarithm (base 10) of the reciprocal of the concentration of hydrogen ions expressed in mole per liter of solution.
- (57) Pollution: The man-made or man-induced alteration of the chemical, physical, biological, and radiological integrity of water.

- (58) Pollutant: Any substance or material contributed with the wastewater which is an Interference, constitutes a hazard to humans or to the receiving stream, or creates a public nuisance, violates National Categorical Pretreatment Standards or Pretreatment Standards, or causes the POTW to violate receiving water standards.
- (59) ppm: Parts per million by weight. Also, mg/L.
- (60) 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 these pollutants into a POTW. This 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).
- (61) Pretreatment Requirements: Any substantive or procedural requirement related to pretreatment, other than a National Pretreatment Standard, imposed on an industrial user.
- (62) Publicly Owned Treatment Works (POTW): A treatment works as defined by Section 2'2 of the Act (33 U.S.C. '292), which is owned in this instance by the Authority. This definition includes any sewers that convey wastewater to the POTW treatment plant. "POTW" shall also include any sewers that convey wastewater to the POTW from persons outside the Authority who are, by contract or agreement with the Authority, users of the Authority's POTW.
- (63) POTW Treatment Plant: That portion of the POTW designed to provide treatment to Wastewater.
- (64) Receiving Water: Means to the Schuylkill River.
- (65) Residential User: A single family dwelling user and any room, group of rooms, house trailer and enclosure occupied or intended for occupancy as a separate living quarter by a family or other group of persons living together or by persons living alone, excluding institutional dormitories.
- (66) Sewage: All water-carried Domestic Sewage wastes from residences, business building, commercial, institution and industrial establishments discharged into the Authority's Sewage System. Also see Wastewater.
- (67) Sewer: Any pipe or conduit constituting a part of the Authority's Sewage System, used or usable for sewage collection purposes.
- (68) Sewage System: All facilities, owned and operated by the Authority, for collecting, transporting, treating, and/or disposal of Sewage and other

Wastewater. The Authority's wastewater collection and treatment system, or POTW.

- (69) Shall is mandatory; May is permissive.
- (70) Significant Industrial User: Any Industrial User contributing to or proposing to contribute to the Authority's POTW who:
- a. is subject to National Categorical Pretreatment Standards under 40 CFR 403.6 and 40 CFR Chapter I, Subchapter N; and
 - b. has a discharge flow of 5,000 gallons or more per average 24 hour work day; or
 - c. has greater than or equal to 5% of the average dry weather hydraulic or organic capacity of the Authority's Sewage System; or
 - d. has in wastes toxic pollutants as defined pursuant to Section 396 of the Act or (state) statutes and rules; or
 - e. is found by the Authority, the Pennsylvania Department Of Environmental Protection (DEP), or the U.S. Environmental Protection Agency (EPA) to have significant impact, either singly or in combination with other contributing industries, on the Sewage System, the quality of sludge, the System's effluent quality, or air emissions generated by the System. (Significant User; User)
- (71) Slug Discharge: Sudden spills or batch discharges to the POTW of a size or concentration that could affect the POTW's operation.
- (72) 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, as amended.
- (73) State: The Commonwealth of Pennsylvania.
- (74) Storm Water: Any flow occurring during or following any form of natural precipitation and resulting therefrom which enters the sewer system.
- (75) Surface Water: Means that portion of the precipitation which runs over the surface of the ground.
- (76) Suspended Solids: The term suspended solids refers to the weight of nonfilterable residue in a measured portion of water sample, that is retained on a glass fiber filter, 0.45 micron, and dried at a temperature of 103 to 105 degrees Centigrade to a constant weight. Total suspended solids are measured in milligrams per liter (mg/l).
- (77) Superintendent: The person designated by the Authority to supervise the operation of the publicly owned treatment works and who is charged with certain duties and

responsibilities by this Article, or a duly authorized representative of the Authority.

- (78) Total Solids: Total Solids refers to the weight of the residue left in a drying dish after evaporation of a measured volume of water or wastewater at 103 to 105 degrees Centigrade. It is measured in mg/l. Total solids include floating solids, suspended solids, settleable solids and dissolved solids.
- a. "Settleable Solids" shall mean solids that settle in an Imhoff cone from a standard sample of waste.
 - b. "Dissolved Solids" shall mean Total solids minus total suspended solids.
- (79) Toxic Pollutant: Any pollutant or combination of pollutants listed as toxic in regulations promulgated by the Administrator of the Environmental Protection Agency under the provisions of CWA 307(a)(1) or other Laws or regulations.
- (80) Treatment Works: Means the POTW
- (81) User: Any person who contributes, causes or permits the contribution of wastewater into the Authority's POTW.
- (82) Wastewater: Any liquid or water carried Industrial and Commercial wastes, Domestic Sewage and other Sewage which are contributed into or permitted to enter the Authority's Sewage System.
- (83) Waters Of The Commonwealth: 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 Commonwealth or any portion thereof.

1.3 Abbreviations

The following abbreviations shall have the designated meanings:

BOD	Biochemical Oxygen Demand
CFR	Code of Federal Regulations
COD	Chemical Oxygen Demand
DEP	Department Of Environmental Protection
EPA	Environmental Protection Agency
l	liter
mg	Milligrams
mg/l	Milligrams per Liter
NPDES	National Pollutant Discharge Elimination System
O&M	Operation and Maintenance
POTW	Publicly Owned Treatment Works

SIC	Standard Industrial Classification
SWDA	Solid Waste Disposal Act, 42 U.S.C. 6901, et seq.
USC	United States Code
TSS	Total Suspended Solids
TDS	Total Dissolved Solids

SECTION 2 - REGULATIONS

2.1 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 Users of the POTW whether or not the User is subject to National Categorical Pretreatment Standards, or any other federal, state or local pretreatment standards or requirements. A User may not contribute the following substances to the POTW:

- (a) 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 other way to the POTW or to the operations of the POTW. 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 Limit (LEL) of the meter. Waste streams with a closed cup flashpoint below 140 degree Fahrenheit or 60 degree Centigrade (40 CFR 403.5(b)(1) are prohibited from discharge into the Authority's system. Prohibited materials include, but are not limited to: jet fuel, kerosene, and other petroleum hydrocarbons, ketones, aldehydes, peroxides, chlorates, perchlorates, bromates, carbides, hydrides, sulfides, and any other substances which the Authority, the Commonwealth, DEP, or EPA has determined to be a fire hazard or a hazard to the system.
- (b) Solid or viscous substances which may cause obstruction to the flow in a sewer or other interference with the operation of the Sewage System 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 fleshings, entrails, whole blood, feathers, mushrooms, ashes, cinders, sand, spent lime, stone or marble dust, metal, glass, straw, shavings, grass clippings, 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 6.0 or greater than 9.0, or wastewater having any other corrosive property capable of causing damage or hazard to structures, equipment, and/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 Sewage System process, constitute a hazard to humans or animals, create a toxic effect in the receiving waters of the POTW, or to exceed the limitation set forth in a Categorical Standards. A toxic pollutant shall include, but not be limited to, any pollutant identified pursuant 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, sludge, or scum to be unsuitable for reclamation and reuse or to interfere with the reclamation process. In no case shall a substance discharged to the POTW cause the POTW to be in noncompliance with sludge use or disposal criteria, guidelines or regulations developed under Section 405 of the Act; any criteria, guidelines or regulations affecting sludge use or disposal developed pursuant to the Solid Waste Disposal Act, the Clean Air Act, the Toxic Substances Control Act, or state criteria applicable to the sludge management method being used.
- (g) Any substance which will cause the POTW to violate its NPDES and/or state Disposal System 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 treatment plant resulting in interference, but in no case wastewater with a temperature at the introduction into the POTW which exceeds 40 degrees centigrade (104 degrees Fahrenheit) unless the POTW treatment plant is designed to accommodate the temperature.
- (j) Any pollutants, including oxygen demanding pollutants (BOD, etc.) released at a flow rate and/or pollutant concentration which a User knows or has reason to know will cause interference to the POTW. In no case shall a slug load have a flow rate or contain concentration or qualities of pollutants that exceed for any time period longer than fifteen (15) minutes more than five (5) times the average twenty-four (24) hour concentration, quantities, or flow during normal operation.
- (k) Any wastewater containing any radioactive wastes or isotopes of such half-life or concentration as may exceed limits established by the Superintendent 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 trucked or hauled wastewater, except at discharge points designated in writing by the Superintendent.
- (n) Infiltration.
- (o) Inflow.
- (p) Chlorine Demand greater than 12.0 mg/L.

When the Superintendent determines that a User(s) is contributing to the POTW any of the above listed substances in amounts as to interfere with the operation of the POTW, the Superintendent shall: (1) advise the User(s) of the impact of the contribution to the POTW; and (2) develop effluent limitation(s) for the User(s) to correct the interference with the POTW.

2.2 National Categorical Pretreatment Standards

The National Categorical Pretreatment Standards located in 40 CFR Chapter I, Subchapter N, Parts 405 – 471, are hereby incorporated herein. Upon the promulgation of the National Categorical Pretreatment Standards for a particular industrial subcategory, the Categorical Standards, if more stringent than limitations imposed under this Resolution for sources in that subcategory shall immediately supersede the limitations imposed under this Resolution. The Superintendent shall notify all affected Users of the applicable reporting requirements under 40 CFR, Section 403.12.

2.3 Modification of National Categorical Pretreatment Standards

Where the Authority's Sewage System achieves consistent removal of pollutants limited by National Categorical Pretreatment Standards, the Authority may apply for modification of specific limits in the National Categorical Pretreatment Standards. "Consistent removal" shall mean the average of the lowest 50 percent of the removal measured according to 40 CFR Section 403.7 (b)(2). The Authority may then modify pollutant discharge limits in the National Categorical Pretreatment Standards if the requirements contained in 40 CFR Part 403, Section 403.7 are fulfilled and prior approval from the Approval Authority is obtained.

2.4 Specific Pollutant Limitations

No person shall discharge wastewater-containing pollutants in excess of:

- (a) A daily average of not more than 300 mg/l total suspended solids; 200 mg/l of BOD₅, 1000 mg/l of total solids and 700 mg/for Total Dissolved Solids. NOTE: Under no circumstances will a User be permitted to cause the influent to and/or effluent from the sewage treatment plant to exceed the Delaware River Basin Commission's or DEP's requirement.

- (b) 20 mg/l of ammonia as N.
- (c) 5.0 mg/l for phosphorous, total as P.
- (d) 200 mg/l for alkalinity, total as CaCO₃.
- (e) 0.10 mg/l for zinc.
- (f) 1.0 mg/l for chromium, total.
- (g) 0.05 mg/l for chromium, hexavalent.
- (h) 0.40 mg/l for nickel.
- (i) 0.10 mg/l for copper.
- (j) 200 mg/l for chloride.
- (k) 0.02 mg/l for cadmium.
- (l) 50 units for color (pt-Co Units).
- (m) 5.0 mg/l for iron.
- (n) 0.10 mg/l for lead.
- (o) 0.002 mg/l for mercury.
- (p) 0.1 mg/l for selenium.
- (q) 0.01 mg/l for silver.
- (r) 25 mg/l for oil and grease.
- (s) 2.00 mg/l aluminum.
- (t) 0.05 mg/l arsenic.
- (u) 0.10 mg/l cyanide (total).
- (v) 0.10 mg/l cyanide (free).
- (w) 0.005 mg/l chlorinated hydrocarbons (total).
- (x) 0.005 mg/l phenolic compounds (total).
- (y) 0.005 mg/l benzidene.

In addition, state and/or local requirements and limitations on discharges shall apply in any case where they are more stringent than Federal requirements and limitations or those set forth in this Resolution.

2.5 Commonwealth Requirements

Commonwealth requirements and limitations on discharges shall apply in any case where they are more stringent than federal regulations and limitations or those in this Resolution.

2.6 Right Of Revision

The Authority, DEP, and EPA reserve the right to establish by regulation or resolution more stringent limitations or requirements on discharges to the wastewater disposal system if deemed necessary to comply with the objectives presented in Section 1.1 of this Resolution.

2.7 Excessive Discharge

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 Authority, the Commonwealth, DEP or EPA.

2.8 Accidental or Slug Discharge

Each User shall provide protection from accidental or slug discharge of prohibited materials or other substances regulated by this Resolution. Facilities to prevent accidental discharge of prohibited materials shall be provided and maintained at the User's own cost and expense. Any person using or storing these flowable materials in excess of 50 gallons of liquid or 500 pounds of solid shall be required to submit a spill prevention control (SPC) plan. Detailed plans showing facilities and operating procedures to provide this protection shall be submitted to the Authority for review, and shall be approved by the Authority before construction of the facility. No User who commences contribution to the POTW after the effective date of this Resolution shall be permitted to introduce pollutants into the system until accidental discharge response procedures have been approved by the Authority. Review and approval of these plans and operating procedures shall not relieve the User from the responsibility to modify the User's facility as necessary to meet the requirements of this Resolution. In the case of an accidental or slug 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.

Written Notice: Within five (5) days following an accidental or slug discharge; the User shall submit to the Superintendent a detailed written report describing the cause of the discharge, the impact on the User's compliance status, duration of noncompliance, and the measures to be taken by the User to prevent similar future occurrences. This 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.

Notice To Employees: A notice shall be permanently posted on the User's bulletin board or other prominent places, advising employees of the emergency notification procedure and whom to call in the event of a dangerous discharge.

2.9 Off-Site Permittee: Tank Discharge

Any off-site permittee who shall discharge effluent from any portable tank or tank truck into the Reading Regional Airport Authority Sewage System shall first supply the Authority with the following information as a condition precedent:

- a. Bill Of Lading, Manifest or other documentation setting forth the generator, origin and transportation of the effluent.

- b. Test results as listed in Part 2.4 of Section 2 from an independent laboratory satisfactory to Reading Regional Airport Authority setting forth in detail the contents of each tank.

SECTION 3 – PERMIT IMPLEMENTATION PROGRAM CHARGES AND FEES

3.1 Purpose

It is the purpose of this section to provide for the recovery of costs from Users of the Authority's wastewater disposal system for the implementation of the program established herein. The applicable charges or fees shall be set forth on the Authority's Schedule of Charges and Fees.

3.2 Charges and Fees

The Authority may adopt charges and fees that may include:

- a. Fees for reimbursement of costs of setting up and operating the Authority's Pretreatment Program;
- b. Fees for monitoring, inspections and surveillance procedures;
- c. Fees for reviewing accidental discharge procedures and construction;
- d. Fees for permit applications;
- e. Fees for filing appeals;
- f. Fees for consistent removal of pollutants otherwise subject to federal Pretreatment Standards;
- g. Other charges for tests as the Authority may deem necessary to carry out the requirements contained herein.
- h. Extra strength waste surcharges shall be due and be paid quarterly and quarterly billings for extra strength waste surcharges shall be made by bills dated during January, April, July and October of each year for the quarterly calendar period immediately preceding the date of the bill. The bills for extra strength waste surcharges for the first quarter during which a property discharges extra strength waste into the sewer system shall be prorated on the basis of the quarterly rate. All bills shall be due and payable on their respective dates. The Authority may include extra strength waste surcharges on the quarterly bills, and need not, in such cases, make separate bills for extra strength waste surcharges.

These fees relate solely to the matters covered by this Resolution and are separate from all other fees chargeable by the Authority.

SECTION 4 - ADMINISTRATION

4.1 Wastewater Discharge

It shall be unlawful to discharge without a permit to any natural outlet in any area under the Authority's jurisdiction, and/or to the POTW any Wastewater except as authorized by the Superintendent in accordance with the provisions of this Resolution.

4.2 Wastewater Discharge Permits

4.2.1 General Permits

All Significant Industrial Users and other User(s) designated by the Authority proposing to connect to or contribute to the POTW shall obtain a Wastewater Discharge Permit before connecting to or contributing to the POTW. All existing Significant Industrial Users and other User(s) designated by the Authority connected to or contributing to the POTW shall obtain a Wastewater Discharge Permit within 180 days after the effective date of this Resolution.

4.2.2 Permit Application

Significant Industrial Users and User(s) required to obtain a Wastewater Discharge Permit shall complete and file with the Authority, an application in the form prescribed by the Authority. Existing Significant Industrial Users and User(s) shall apply for a Wastewater Discharge Permit within thirty (30) days after the effective date of this Resolution. Proposed new Significant Industrial Users and User(s) shall apply at least 180 days prior to connecting to or contributing to the POTW **and the application shall be accompanied by a fee of Five Thousand Dollars (\$5,000.00)**. In support of the application, the applicant shall submit, in units and terms appropriate for evaluation, the following information:

- 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 2 of this Resolution as determined by a reliable analytical laboratory; sampling and analysis shall be performed in accordance with procedures established by the EPA pursuant to Section 304(g) of the Act and contained in 40 CFR, Part 136, as amended;
- d. Time and duration of contribution;
- e. Average daily and three (3) minute peak wastewater flow rates, including daily, monthly and seasonal variations, if any;

- f. Site plans, floor plans, mechanical and plumbing plans and details to show all sewers, sewer connections and appurtenances by the size, location and elevation;
- 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 any Authority, 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 pretreatment is required for the User to meet applicable pretreatment standards;
- i. If additional pretreatment and/or operation & maintenance measures will be required to meet the pretreatment standards, the shortest schedule by which the User will provide the additional pretreatment shall be discussed and included with the application. 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 (e.g., hiring an engineer, completing preliminary plans, completing final plans, executing contract for major components, commencing construction, completing construction, etc.).
 - (2) No increment referred to in Paragraph (1) shall exceed two (2) months.
 - (3) Not later than fourteen (14) days following each date in the schedule and the final date for compliance, the User shall submit a progress report to the Superintendent including as a minimum, whether or not it complied with the increment of progress to be met on this 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 two (2) months elapse between these progress reports to the Superintendent.
- j. Each product 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, and hours or operation of the plant and proposed or actual hours of operation of the pretreatment system; and

- m. Any other information as may be deemed by the Authority to be necessary to evaluate the permit application.

The Authority will evaluate the data furnished by the User and may require additional information. After evaluation and acceptance of the data furnished, the Authority may issue a Wastewater Contribution Permit subject to terms and conditions provided therein.

4.2.3 Permit Modifications

Within nine (9) months of the promulgation of a National Categorical Pretreatment Standard, the Wastewater Discharge Permit of Users subject to these standards shall be revised to require compliance with these standards within the period prescribed by the standard. Where a User, subject to a National Categorical Pretreatment Standard, has not previously submitted an application for a Wastewater Discharge Permit as required by Section 4.2.2, the User shall apply for a Wastewater Discharge Permit within one hundred eighty (180) days after the promulgation of the applicable National Categorical Pretreatment Standard. In addition, the User with an existing Wastewater Discharge Permit shall submit to the Superintendent within one hundred eighty (180) days after the promulgation of an applicable National Categorical Pretreatment Standard the information required by Paragraphs (h) and (i) of Section 4.2.2.

4.2.4 Permit Conditions

Wastewater discharge permits shall be expressly subject to all provisions of this Resolution and all other applicable regulations, User charges and fees established by the Authority. Permits may contain the following:

- a. The unit charge or schedule of User charges and fees for the wastewater to be discharged to the POTW owned by the Authority;
- b. Limits on the average and maximum wastewater constituents and characteristics;
- c. Limits on average and maximum rate and time of discharge or requirements for flow regulations and equalization;
- d. Requirements for installation and maintenance of inspection and sampling facilities;
- e. Specifications for monitoring programs which may include sampling locations, frequency of sampling, number, types and standards for tests and reporting schedule
- f. Compliance schedules;
- g. Requirements for submission of technical reports or discharge reports as per Section 4.3;
- h. Requirements for maintaining and retaining plant records relating to wastewater discharge as specified by the Authority, and affording Authority access thereto;

- i. Requirements for notification of the Authority of any new introduction of wastewater constituents or any substantial change in the volume or character of the wastewater constituents being introduced into the POTW;
- j. Requirements for notification of slug discharges as per Section 5.2; and
- k. Other conditions as deemed appropriate by the Authority to ensure compliance with this Resolution.

4.2.5 Permits Duration

Permits shall be issued for a specified time period, not to exceed five (5) years. A permit may be issued for a period less than a year or may be stated to expire on a specific date. The User shall apply for permit reissuance a minimum of one hundred eighty (180) days prior to the expiration of the User's existing permit. The terms and conditions of the permit may be subject to modification by the Authority during the term of the permit as limitations or requirements as identified in Section 2 are modified or other just cause exists. The User shall be informed of any proposed changes in the permit at least thirty (30) days before the effective date of change. Any changes or new conditions in the permit shall include a time schedule for compliance, which is approved by the Authority.

4.2.6 Permit Transfer

Wastewater discharge permits are issued to a specific User for a specific operation. A wastewater discharge permit shall not be reassigned or transferred or sold to a new owner, new User, different premises, or a new or changed operation without the approval of the Authority. Any succeeding owner or User shall also comply with the terms and conditions of the existing permit and file for permit modification to document the new ownership or User's name, if all operations remain the same.

4.3 Reporting Requirements For Permittee

4.3.1 Compliance Data Report

Within ninety (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 Superintendent 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 these pretreatment standards or requirements. The report shall state whether the applicable pretreatment standards or requirements are being met on a current 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 shall be signed

by an authorized representative of the industrial User, and certified by a qualified professional engineer.

4.3.2 Periodic Compliance Report

- a. Any Permittee or User subject to a pretreatment standard, after the compliance date of the pretreatment standard, or, in the case of a new source, after commencement of the discharge into the POTW, shall submit to the Superintendent, during the months of June and December, unless required more frequently in the pretreatment standard or by the Superintendent, a signed report indicating the nature and concentration of pollutants in the effluent which are limited by the permit and/or pretreatment standards. In addition, this report shall include a record of all daily flows which, during the reporting period, exceeded the average daily flow reported in Section 4.2.2.e. At the discretion of the Superintendent and in consideration of such factors as local high or low flow rates, holidays, budget cycles, etc., the Superintendent may agree to alter the months during which the above reports are to be submitted.
- b. The Superintendent may impose mass limitations on Permittees and Users which are using excessive water to meet applicable pretreatment standards or requirements, or in other cases where the imposition of mass limitations are appropriate. In such cases, the report required by subparagraph a. of this Section shall indicate the mass of pollutants regulated by pretreatment standards in the effluent of the User. These reports shall contain the results of sampling and analysis of the discharge, including the flow and the nature and concentration of pollutants contained therein which are limited by the applicable pretreatment standards. The frequency of monitoring shall be prescribed in the applicable pretreatment standard. All analysis shall be performed in accordance with procedures established pursuant to Section 304(g) of the Act and contained in 40 CFR, Part 136 and amendments thereto or with any other test procedures approved by the Authority.

4.4 Monitoring Facilities

The Authority shall 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 Authority may, when 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 the 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 constricted on public or private property, the sampling and monitoring facilities shall be provided in accordance with the Authority's requirements and all applicable local construction standards and specifications. Construction shall be completed within ninety (90) days following written notification by the Authority.

4.5 Inspection and Sampling

The Authority, DEP or EPA has the right to inspect the facilities of any User to ascertain whether the purpose of this Resolution is being met. However, the Authority's right to inspect shall not remove or transfer to any degree, the User's responsibility to fully comply with this Resolution. Person or occupants of premises where wastewater is created or discharged shall allow the Authority or their representative ready access at all reasonable times to all parts of the premises for the purposes of inspection, sampling, records examination or in the performance of any of their duties. The Authority, DEP or EPA has 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 that 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 Authority, DEP and EPA will be permitted to enter, without delay, for the purpose of performing their specific responsibilities.

4.6 Pretreatment

Users shall provide necessary pretreatment as required to comply with this Resolution and shall achieve compliance with all National Categorical Pretreatment Standards within the time limitations as specified by the federal pretreatment regulations. Any facilities required to pretreat wastewater to a level acceptable to the Authority 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 Authority for review, and shall be acceptable to the Authority before construction of the facility. The review of these plans and the 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 Authority under the provisions of this Resolution. Any subsequent changes in the pretreatment facilities or method of operation shall be reported to and be acceptable to the Authority prior to the User's initiation of the changes.

4.7 Public Notice of Significant Violators

The Authority shall annually publish in a newspaper a list of the Users which were not in compliance with any pretreatment requirements or standards at least once during the twelve (12) previous months. The notification shall also summarize any enforcement actions taken against the User(s) during the same twelve (12) months.

All records relating to compliance with pretreatment standards shall be made available to the Authority and officials of DEP or EPA upon request.

4.8 Confidential Information

Information and data on a User obtained by the Authority from reports, questionnaires, permit applications, permits and monitoring programs and from inspections shall be available to the public or other federal, state, and local governmental agencies without restriction unless the User specifically requests and is able to demonstrate to the satisfaction of the Authority that the release of the 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 of 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 Resolution, the National Pollutant Discharge Elimination System (NPDES) Permit, State Disposal System permit and/or the pretreatment programs, provided, however, that portions of a report shall be available for use by the state or any state agency, DEP or EPA in judicial review or enforcement proceedings involving the person furnishing the report. Wastewater constituents and characteristics will not be recognized as confidential information.

The Authority shall not transmit to any governmental agency or to the general public information accepted by the Authority as confidential until and unless a ten (10) day notification is given to the User.

SECTION 5 – SEWAGE SYSTEM RENTALS OR CHARGES

Annual Sewage System rentals or charges fixed and imposed shall be collected from the occupant of each Improved Property, for use of the Sewage System, whether such use shall be direct or indirect, which Sewage System rentals or charges shall commence and shall be effective as to those Improved Properties now or hereafter connected to the POTW as of the date of the first connection of an Improved Property and to Improved Properties to be connected to the POTW as of the date of connection of each such Improved Property. These charges shall be payable quarterly, as hereinafter provided.

SECTION 6 - AMOUNT AND MANNER OF COMPUTATION OF SEWAGE SYSTEM RENTALS OR CHARGES

6.1 Sewage System Rentals or Charges For Improved Properties

- (a) Each User shall be required to have installed a water meter or water meters to measure the quantity of water used by such User for the purpose of computing Sewage System Rentals or Charges hereunder.

Sewage System Rentals or Charges for all wastes discharged into the Sewage System from any Improved Property shall be based upon volume of water usage, adjusted if appropriate, as provided in this Resolution, based upon the metered

volume of water used at such Improved Property, whether with the applicable water system or otherwise.

- (b) Sewage System Rentals and Charges for Wastewater discharged into the Sewage System from any Improved Property may be based upon actual metered volume of Wastewater discharge, as permitted in this Resolution.
- (c) The Authority shall determine the Sewage System Rental or Charge for each Improved Property. Each Improved Property shall be billed as and considered as a separate entity.

6.2 Extra Strength Waste Charges For Industrial and Commercial Wastes

Industrial and Commercial Wastes may be stronger and more difficult to treat than Domestic Sewage. Therefore, the Authority reserves the right to impose strength of waste surcharge, from time to time, as deemed necessary. These additional extra strength waste charges shall not be paid in lieu of implementing any pretreatment that is required by the Authority. Section 12 covers Extra Strength Surcharge in detail.

6.3 Methods Of Measuring Volume Of Industrial and Commercial Wastes

- (a) Whenever a Person purchasing all water used from a municipal or other public source shall discharge only Industrial or Commercial Wastes to the Sewage System the volume of water purchased shall be used as a measure of the quantity of Industrial or Commercial Wastes so discharged.
- (b) Whenever a Person purchasing all water used from a municipal or other public source shall discharge combined Domestic Sewage and Industrial or Commercial Wastes to the Sewage System, the volume of water purchased chargeable as Industrial Wastes shall be the total volume of water purchased, less the volume of water determined to be Domestic Sewage. The volume of water determined to be Domestic Sewage shall be determined, at the option of the Authority in either of the following ways:
 - (1) Actual measured flow; or
 - (2) By multiplying the average number of employees in the establishment during the calendar quarter annum preceding the time of billing by 2,250 gallons.
- (c) Whenever a Person purchasing water from a municipal or public source and discharging Industrial or Commercial Wastes to the Sewage System also shall discharge unpolluted cooling water either to a separate storm sewer or to some other outlet, an allowance in the nature of a credit for the volume of water so otherwise discharged shall be made in computing the Sewage System rentals or charges. The Person so discharging cooling water at its own expense shall install a meter or

meters, as necessary, to indicate accurately the volume of water claimed as a credit in making the allowance.

- (d) Whenever a Person using a private water supply shall discharge Industrial or Commercial Wastes to the Sewage System, the Person shall install at its own expense, either a water meter or meters on the source or sources of supply, as may be required to measure the total volume of water used, which total volume of water used shall be subject to adjustment as provided in this Section, or a sewer meter or meters on the sewer line leaving the Improved Property so as to measure the entire volume of Domestic Sewage and/or Industrial or Commercial Wastes discharged to the Sewage System, which volume shall be subject to adjustment as provided in Section 7.

6.4 Measurement Of Concentration Of Industrial or Commercial Wastes

- (a) All costs incurred by the Authority in collecting and analyzing samples in connection with determining an Extra Strength Waste Surcharge or with monitoring Industrial and Commercial Wastes to determine compliance with Section 12 of this Resolution shall be billed by the Authority directly to the User whose Wastewater is sampled. Such User may request that additional samples be taken in addition to the normal periodic samples taken by the Authority. The cost of collecting any such normal or additional samples and making the analysis shall be borne by the User.
- (b) The analysis of samples obtained shall be made in accordance with the latest edition of the "Standards Methods for the Examination Of Water And Wastewater" as published by the American Public Health Association.

6.5 Facilities To Be Provided

When required by the Authority, the User of any Improved Property discharging Industrial or Commercial Waste to the Sewage System shall install a suitable control manhole in the sewer service line serving the Improved Property to facilitate observation, sampling and measurement of such Industrial Wastes. This manhole, when required, shall be accessible and safely located and shall be constructed in accordance with plans approved by the Authority. The manhole shall be installed by the User at its own expense, and shall be maintained by the User so as to be safe and accessible at all times.

6.6 Access

The Authority or its duly authorized representative or representatives, at all reasonable times, shall be permitted to enter upon any Improved Property for the purpose of inspection, observation, measurement, sampling and testing in accordance with provisions of this Resolution. Moreover, upon request, the Authority shall be furnished with copies of records regarding sampling and monitoring activities over a three-year period prior to the date of inspection.

6.7 Changes In Type Of Industrial or Commercial Wastes

Any Person whose Improved Property is connected to the Sewage System and who is discharging Industrial or Commercial Wastes thereinto, and who shall propose to change methods of operation so as to alter the type of Industrial or Commercial Wastes then being discharged, shall notify the Authority, in writing, at least fifteen (15) days prior to the change so that the Authority may sample the Industrial or Commercial Wastes immediately after the change takes place to make determinations provided for or required by this Resolution.

6.8 Meters Required

When any Person shall connect an Improved Property to the Sewage System, the Person, at its own expense, shall have installed a water meter or meters or a sewer meter or meters as shall be required or permitted under the terms of this Resolution for the purpose of making possible the determination of sewage rentals or charges under provisions of this Resolution. All sewer meters shall be calibrated quarterly by the Improved Property and certificates of calibration shall be furnished to the Authority.

6.9 Exclusion From Sewage System Of Certain Water

Exclusion from the Sewage System of non-contaminated waste waters and waters used solely for cooling purposes may be required by this Resolution or the exclusion may be optional with any Person if not required by the Authority. Discharge of infiltration and inflow are prohibited.

6.10 Authority May Make Additions And Changes

Additional classifications and Sewage System rentals and charges or modifications and Sewage System rentals and charges may be adopted and promulgated by the Authority, from time to time, as shall be deemed necessary.

6.11 Power To Deny Or Condition New Or Increased Contributions Of Pollutants

The Authority reserves the power to deny or condition new or increased contributions of Pollutants, or changes in the nature of Pollutants, to the Authority by Industrial or Commercial Users where these contributions do not meet applicable Pretreatment Standards and Requirements or where these contributions would cause the Authority to violate its NPDES permit.

6.12 Require Compliance

The Authority, DEP or EPA shall require compliance with applicable Pretreatment Standards and Requirements by Industrial Users. Moreover, the discharge of any wastes that would interfere with the Authority's Sewage Treatment System or pass through its receiving stream is prohibited.

6.13 Control Through Permits, Contracts, Etc. to Ensure Compliance

The Authority shall control, through permit, contract, order or similar means, the contribution to the Authority by each Industrial User to ensure compliance with applicable Pretreatment Standards and Requirements.

6.14 Carry Out Inspections And Monitoring:

The Authority, DEP or EPA shall carry out all inspection, surveillance, and monitoring procedures necessary to determine, independent of information supplied by Industrial Users, compliance or noncompliance with applicable Pretreatment Standards and Requirements by Industrial Users. Representatives of the Authority, DEP or EPA are authorized to enter any premises of any Industrial User in which a Discharge source or treatment system is located or in which records are required to be kept to assure compliance with Pretreatment Standards.

6.15 Require Compliance Schedules And Self-Monitoring Reports:

The Authority requires:

- (a) The development of a compliance schedule by each Industrial User for the installation of technology required to meet applicable Pretreatment Standards and Requirements; and
- (b) The submission of all notices and self-monitoring reports from Industrial Users as are necessary to assess and assure compliance by Industrial Users with Pretreatment Standards and Requirements.

6.16 Remedies For Noncompliance:

The Authority, DEP, and EPA reserve the right to obtain remedies for noncompliance by any Industrial User with any Pretreatment Standard and Requirement in accordance with applicable federal, state and local laws. The Authority, DEP, and EPA may seek injunctive relief for noncompliance by Industrial Users with Pretreatment Standards and Requirements. Enforcement remedies include, but are not limited to, the duty to allow or carry out inspections, entry or monitoring activities of any rules, regulations or orders issued by the Authority, DEP, or EPA. The Authority, DEP, or EPA shall (after informal notice to the discharger) immediately and effectively halt or prevent any discharge of pollutants to the POTW which reasonably appears to present an imminent endangerment to the health or welfare of persons. The Authority, DEP, or EPA shall also (which shall include notice to the affected Industrial Users and an opportunity to respond) halt or prevent any Discharge to the POTW which presents, or may present, an endangerment to the environment or which threatens to interfere with the operation of the POTW. The procedures for notice to Users where the Authority, DEP, or EPA is seeking ex parte temporary judicial injunctive relief will be governed by applicable federal or state law.

SECTION 7 – TIME AND METHOD OF PAYMENT:

- (a.) In the case of any User of any Improved Property whose bill for Sewage System Rentals or charges shall be computed upon the basis of water volume usage, the billing shall be based upon a percentage of the water bill for the immediately preceding quarter. Such percentage to be established by Resolution, from time to time, by the Authority.
- (b.) In the case of any User of Improved Property whose quarterly bill for Sewage System Rentals or Charges shall be computed on a basis independent of water volume usage, the bills for Sewage System Rentals or Charges, shall be computed upon the basis of an equivalent volume of water usage. The billing shall be based upon a percentage of the equivalent water bill for the immediately preceding quarter. Such percentage to be established by Resolution, from time to time, by the Authority.
- (c.) All bills shall be due and payable without penalty one day after mailing or delivery by or on behalf of the Authority to the Person responsible for payment thereof.

If quarterly bills shall not be paid within thirty (30) days after such shall become due and payable, interest shall accrue at the rate of 1-1/2 % per month and a penalty, of ten percent (10%) shall be added. Payments mailed and postmarked on or before the 30th day shall be deemed to be payments within the period allowed for payment without penalty. If the 30th day shall be a legal holiday or a Sunday, payments made or mailed and postmarked on the next succeeding business day not a legal holiday shall be deemed to be payments within the period allowed for payment without penalty.

- (d.) Whenever service to any Improved Property shall begin after the first day or shall terminate before the last day of any calendar quarter, the sewer rental or charge for the period shall be prorated equitably for that portion of the calendar quarter during which service was provided by the Authority.
- (e.) Failure of any Person to receive any bill for quarterly sewer rentals or charges shall not be considered an excuse for nonpayment nor shall the failure result in an extension of the period of time during which the bill shall be payable without penalty.

SECTION 8 - LIEN; FILING OF LIENS. COLLECTION OF SEWAGE SYSTEM RENTALS OR CHARGES

The Sewage System rentals or charges hereby imposed shall be a lien on the Improved Property connected to and served by the Sewage System from the date such Sewage System rental or charge becomes due and payable under provisions of this Resolution; and all Sewage System rentals or charges hereby imposed which shall not be paid after sixty (60) days notice, at the discretion of the Authority, shall be entered as a lien against the Improved Property so connected to and served by the Sewage System, which lien shall be filed in the office of the Prothonotary Of Berks County, Pennsylvania, in the manner provided by law for the filing of municipal

claims. This Authority in any manner permitted and authorized by law shall collect all delinquent bills.

SECTION 9 – RIGHT TO REFUSE CONNECTION TO OR COMPEL DISCONTINUANCE OF USE OF SEWAGE SYSTEM OR TO COMPEL PRETREATMENT

The Authority reserves the right to refuse to any Person the privilege of connection to the Sewage System, or to compel the discontinuance of use of a Sewage System and the Sewage System by any Person, or to compel the pretreatment of any Industrial Wastes, to prevent discharges into the Sewage System of any wastes deemed to be harmful to the Sewage System, or to have deleterious effect on sewage treatment processes.

SECTION 10 – ACCESS

Representatives of the Authority, DEP, and EPA shall have access, at all times, to any Improved Property which shall be connected to the Sewage System and any meters used for purposes of establishing or determining water consumption, water excluded from the Sewage System or Domestic Sewage or Industrial or Commercial Wastes discharged to the Sewage System.

SECTION 11 - SCREENING AND HOLDING TANKS

- (a) Industrial and Commercial Users shall install fine screens, grease traps, oil separators, or other devices to remove husks, hulls, vegetable skins, peelings, threads, lint, grease, fat, oils, mushrooms, and other such non-settleable and floating solids, or other organic or inorganic substances determined by this Authority to overload, impair the efficiency of, or cause difficulties in operation of the sewage treatment plant which forms part of the Sewage System or in maintaining required quality of treatment plant effluent.
- (b) Any Improved Property discharging 5,000 gallons or more of Domestic Sewage and/or Industrial or Commercial Wastes per day into the Sewage System and having large variations at the rate of discharge of such within the twenty-four (24) hour daily period shall install suitable holding tanks for equalizing the rate of discharge uniformly over the entire twenty-four (24) hour daily period. The average twenty-four (24) hour daily period rate of discharge shall not be exceeded by more than fifty percent (50%) at any time.

SECTION 12 - DETERMINATION OF CHARGES FOR EXTRA STRENGTH WASTES

12.1 Extra Strength Waste Surcharges

There shall be additional charges for Industrial and Commercial Wastes having concentrations of BOD, suspended solids, and dissolved solids in excess of the average concentration of these pollutants in normal domestic waste. Normal domestic waste shall be considered as having the following concentrations:

- (1) BOD - 200 mg/L.

- (2) Suspended solids - 300 mg/L
- (3) Dissolved solids - 700 mg/L

12.2 Surcharge Formula

In order to determine the additional charge for extra strength wastes with strengths greater than that of domestic waste, the following formula shall be used:

$$S_Q = 0.00834 Q_I [(BOD_I - 200) TC_{BOD} + SS_{\pm} (SSI - 300) TC_{SS} + (DS_I - 700) TC_{DS}]$$

Where:

- (1) S_Q is the quarterly surcharge to be added to the normal sewer rent.
- (2) 0.00834 is a constant to convert waste concentrations expressed in mg/L to thousands of pounds of waste.
- (3) Q_I is the quarterly extra strength waste flow expressed in million gallons, as defined in Section 6 of this Ordinance.
- (4) BOD_I , SS_I , and DS_I are the respective concentrations of BOD, suspended solids, and dissolved solids of the extra strength waste expressed in mg/L.
- (5) 200, 300, and 700 are constants which express the waste load concentrations in mg/L for normal domestic wastes.
- (6) TC_{BOD} is the treatment cost incurred by the Authority as updated annually per 1,000 pounds of BOD.
- (7) TC_{SS} is the treatment cost incurred by the Authority as updated annually per 1,000 pounds of suspended solids.
- (8) TC_{DS} is the treatment cost incurred by the Authority as updated annually per 1,000 pounds of dissolved solids.

When a value of BOD, suspended solids, and/or dissolved solids is less than the maximum allowable concentration set forth in the Extra Strength Waste Surcharge Formula, then the maximum allowable concentration shall be used in the calculation of the extra strength waste surcharge.

12.3 Additional Surcharges

The formula specified in subsection 12.1 hereof is to determine additional charges or surcharges for the treatment of extra strength wastes having concentrations of BOD, suspended solids, and dissolved solids in excess of those of domestic waste. It is, however, recognized that the discharge of any waste or other matter which contains any

one or more of the prohibited substances listed herein may result in extraordinary laboratory, labor, maintenance and/or treatment expenses to the Municipality and/or Authority. Hence, in the event of the discharge of any industrial waste or other matter or substance containing any of the prohibited substances listed herein, the Authority shall have the power to bill the owner of the property from which such discharge is made an additional surcharge of three hundred dollars (\$300.00) for each controlled or prohibited constituent. Each day that such discharge is made shall result in a separate three hundred dollars (\$300.00) additional surcharge per controlled or prohibited constituent. This three hundred dollar (\$300.00) charge shall be in addition to the normal sewer rental and/or any extra strength waste surcharge as incurred under subsection (b) hereof.

12.4 New Industrial or Commercial Users. A new Industrial or Commercial User is one that connects to the POTW after the effective date of this section. Extra strength waste surcharge payments by a new Industrial or Commercial User shall begin on the date treatment works use is initiated and continue indefinitely.

12.5 Discontinuance of Use. If an Industrial or Commercial User discontinues use of the treatment works, its payment for extra strength waste surcharges shall cease.

12.6 Administrative Appeal Procedure; Hearing Board. Industrial or Commercial Users may appeal the reasonableness of the allocations and extra strength waste surcharge assessments imposed upon them. Industrial or Commercial Users making such an appeal shall so notify the Authority in writing. A Hearing Board shall be appointed and an Administrative Hearing shall then be conducted. The Industrial or Commercial User shall be given the opportunity to present evidence and testimony before the Board supporting its appeal. The Board shall consist of three members of the Authority to be selected by majority vote of the Authority.

SECTION 13 – ENFORCEMENT

13.1 Harmful Contributions

The Authority, DEP, or EPA may suspend the Sewage System service when the suspension is necessary, in the opinion of the Authority, DEP, or EPA to stop an actual or threatened discharge which presents or may present an imminent or substantial endangerment to the health or welfare of persons, to the environment, causes Interference to the POTW, or causes the Authority to violate any condition of its NPDES Permit.

Any Person notified of a suspension of the Sewage System service shall immediately stop or eliminate the contribution. In the event of a failure of the Person to comply voluntarily with the suspension order, the Authority, DEP, or EPA shall take such steps as deemed necessary, including immediate severance of the sewer connection, to prevent or minimize damage to the POTW system or endangerment to any individuals. The Authority shall reinstate the Sewage System service upon proof of the elimination of the non-complying discharge. A detailed written statement submitted by the User describing the causes of the harmful contribution and the

measures taken to prevent any future occurrence shall be submitted to the Authority and DEP or EPA within fifteen (15) days of the date of occurrence.

13.2 Revocation Of Permit

Any User who violates the following conditions of this Resolution, or applicable state and federal regulations, is subject to having its permit revoked in accordance with the proceeds of this Resolution:

- (a) Failure of a User to factually report the wastewater constituents and characteristics of its discharge;
- (b) Failure of the User to report significant changes in operations, or wastewater constituents, and characteristics;
- (c) Refusal of reasonable access to the User's premises for the purpose of inspection or monitoring; or
- (d) Violation of conditions of the permit.

13.3 Notification of Violation

Whenever the Authority, DEP, or EPA finds that any User has violated, or is violating, this Resolution, or any prohibition, limitation of requirements contained herein, the Authority, DEP or EPA may serve upon this Person a written notice stating the nature of the violation. Within thirty (30) days of the date of the notice, a plan for the satisfactory correction thereof shall be submitted to the Authority, DEP or EPA by the User.

13.4 Show Cause Hearing

13.4.1 The Authority, DEP, or EPA may order any User who causes or allows an unauthorized discharge to enter the POTW to show cause before the Authority, DEP, or EPA why the proposed enforcement action should not be taken. Notice shall be served on the User specifying the time and place of a hearing to be held by the Authority, DEP, or EPA regarding the violation, the reasons why the action is to be taken, the proposed enforcement action, and directing the User to show cause before the Authority, DEP, or EPA why the proposed enforcement action should not be taken. The notice of the hearing shall be served personally or by registered or certified mail (return receipt requested) at least ten (10) day before the hearing. Service may be made on any agent or officer of the User.

13.4.2 The Authority, DEP, or EPA may itself conduct the hearing and take the evidence, or may designate any of its members, or any officer or employee, of the assigned department to:

- (a) Issue in the name of the Authority, DEP, or EPA notices of hearings requesting the attendance and testimony of witnesses and the production of evidence relevant to any matter involved in such hearings,
- (b) take the evidence; and
- (c) transmit a report of the evidence and hearing, including transcripts and other evidence, together with recommendations to the Authority, DEP, or EPA for action thereon.

13.4.3 At any hearing held pursuant to this Resolution, testimony taken must be under oath and recorded stenographically. The transcript, so recorded, will be made available to any member of the public or any party to the hearing upon payment of the usual charges thereof.

13.4.4 After the Authority, DEP, or EPA has reviewed the evidence, it may issue an Order to the User responsible for the discharge directing that, following a specified time period, the sewer service be discontinued unless adequate treatment facilities, devices or other related appurtenances are properly operated. Further orders and directives as are necessary and appropriate may be issued.

13.5 Legal Action

If any person discharges sewage, industrial wastes or other wastes into the Authority's wastewater collection and treatment system contrary to the provisions of this Resolution, Federal or State Pretreatment Requirements, or any order of the Authority, DEP or EPA may commence an action for appropriate legal and/or equitable relief.

SECTION 14 – PENALTY; COSTS

14.1 Civil Penalties

Any User who is found to have violated an Order or Resolution of the Authority, DEP or EPA, or who willfully or negligently failed to comply with any provision of this Resolution, and the orders, rules, regulations and permits issued hereunder, shall be fined *not less than One Hundred Dollars (\$100.00) nor more than One Thousand Dollars (\$1,000.00)* for each offense. Each day on which a violation shall occur or continue shall be deemed a separate and distinct offense. In addition to the penalties provided herein; the Authority, DEP or EPA may recover reasonable attorneys' fees, court costs, court reporters' fees and other expenses of litigation by appropriate suit at law against the person found to have violated this Resolution or the orders, rules, regulations, and permits issued hereunder and recover any operational expenses, engineering expenses, or equipment damage, caused by the violation.

14.2 Falsify Information

Any person who knowingly makes any false statements, representation or certification in any application, record report, plan or other document filed or required to be maintained pursuant to this Resolution, or who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required under this Resolution, shall, upon conviction, be punished by a fine of *not more than One Thousand Dollars (\$1,000.00) or by imprisonment for not more than thirty (30) days, or by both.*

SECTION 15 - SEWER CONNECTION APPLICATION - (sample format)

To the Reading Regional Airport Authority

The Undersigned being the _____
of the property located at _____

_____ does hereby request a permit to discharge wastewater to the Authority's Sewage System serving _____, which company is engaged in _____ at said location.

1. A Plan of the property showing accurately all sewers and drains now existing is attached hereunto as Exhibit "A".
2. Plans and specifications covering any work proposed to be performed under this permit is attached hereunto as Exhibit "B".
3. A complete schedule of all process waters and industrial wastes and commercial wastes produced or expected to be produced at said property, including a description of the character of each waste, the daily volume and maximum rates of discharge, representative analyses and compliance with any applicable Pretreatment Standard or Requirements, is attached hereunto as Exhibit "C".
4. The name and address of the person or firm who will perform the work covered by this permit is:

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

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

2. To accept and abide by all provisions of Resolution No. _____ of the Reading Regional Airport Authority and of all other pertinent Resolutions or Regulations that may be adopted in the future.
3. To operate and maintain any waste pretreatment facilities, as may be required as a condition of the acceptance into the Sewage System of the industrial wastes involved, in an efficient manner at all times, and at no expense to the Authority.
4. To cooperate at all times with the Authority, DEP, or EPA and its representatives in their inspecting, sampling, and study of the commercial wastes and the industrial wastes, and any facilities provided for pretreatment of industrial wastes.
5. To notify the Authority immediately in the event of any accident, or other occurrence that creates a contribution to the wastewater collection and treatment system of any wastewater or substances prohibited or not covered by this permit.

Date: _____ Signed: _____

\$ _____ Inspection fee paid _____

Application approved and permit granted:

Date: _____ Signed: _____

SECTION 16 - WASTEWATER DISCHARGE PERMIT

Permit No. _____

WASTEWATER DISCHARGE PERMIT

In accordance with the provisions of Resolution No. _____ of the Reading Regional Airport Authority:

- User Name:
- Location Address:
- Mailing Address (optional):

is hereby authorized to discharge industrial or commercial wastewater from the above identified facility into the Reading Regional Airport Authority's Sewage System in accordance with the effluent limitations, monitoring requirements, and other conditions set forth in this permit.

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit.

This permit shall become effective on _____(date) and shall expire at midnight on _____(date).

The permittee shall not discharge after the date of expiration. If the permittee wishes to continue to discharge after this expiration date an application must be filed for reissuance of this permit in accordance with the requirements of the then applicable Rules, Regulations and Resolutions of the Reading Regional Airport Authority, a minimum of ninety (90) days prior to the expiration date.

(SEAL)

By: _____
(Chairman Signature)

Issued this _____ day of _____, 20__.

Industry Name: _____

Permit No. _____

SECTION 17 - OPTION OF ADDITIONAL RULES AND REGULATIONS

The Authority reserves the right to adopt and, from time to time, the Authority may adopt additional rules and regulations as it shall deem necessary and proper for use and operation of the Sewage System, which rules and regulations shall become, and shall be construed as a part of this Resolution.

SECTION 18 – ADMINISTRATION

This Resolution shall be administered by the Reading Regional Airport Authority.

SECTION 19 – ENFORCEMENT AUTHORIZATION

The proper Officers of the Authority, DEP, or EPA are authorized and directed to do all things and to take all action necessary and proper to enforce the provisions of this Resolution in the manner permitted by law that is within the Authority's, DEP's, or EPA's jurisdiction and power.

SECTION 20 –SEVERABILITY

If any provision, paragraph, word, section or article of this Resolution 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.

SECTION 21 – CONFLICT

All other Resolution and parts of other Resolutions inconsistent or conflicting with any part of this Resolution are hereby repealed to the extent of such inconsistency or conflict.

SECTION 22 – DATE RESOLUTION IN FORCE

This Resolution shall be in full force and effect immediately.

DULY ADOPTED this ____ day of _____, 20__ , by the Board of the Reading Regional Airport Authority in lawful session duly-assembled.

READING REGIONAL AIRPORT AUTHORITY

Attest: _____