

AUBURN SEWERAGE DISTRICT
Auburn, Maine

RULES AND REGULATIONS

ADOPTED BY THE
TRUSTEES OF THE AUBURN SEWERAGE DISTRICT
ON MAY 10, 1976

AMMENDED BY THE
TRUSTEES OF THE AUBURN SEWERAGE DISTRICT
ON FEBRUAR 16, 2010

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AUBURN SEWERAGE DISTRICT

Rules and Regulations **Covering Discharge of Wastewater, Drainage, Substances or** **Wastes**

ARTICLE I

Definitions:

1. "Applicant" and/or "Owner" shall mean any person requesting approval to discharge domestic or industrial wastewater into the facilities of the District.
2. "Authority" shall mean Lewiston-Auburn Water Pollution Control Authority or its duly authorized representative.
3. "BOD" (denoting Biochemical Oxygen Demand) shall mean the quantity of oxygen utilized in the biochemical oxidation of the wastewater under standard laboratory procedure in five (5) days at 20 C, expressed in milligrams per liter (mg/l).
4. "Board" of "Trustees" shall mean the Board of Trustees of the Auburn Sewerage District or its duly authorized representative.
5. "Combined Sewer" shall mean a sewer receiving both wastewater and storm or surface water.
6. "Domestic Wastewater" shall mean the liquid wastes and liquid borne wastes discharged from the sanitary conveniences such as toilets, washrooms, urinals, sinks, showers, drinking fountains, laundry rooms, kitchens, cafeterias and floor drains essentially free of industrial wastes or toxic materials.
7. "E.P.A." shall mean the Environmental Protection Agency of the U. S. Government.
8. "Excessive" shall mean amounts of concentrations of a constituent of a wastewater which in the judgment of the Authority will cause damage to any sewerage facility, which will be harmful to a wastewater treatment process, which cannot be removed in the wastewater treatment works to the degree required to meet the limiting stream classification standards of the Androscoggin River or the discharge requirements of EPA which can otherwise endanger life, limb, or public property, and/or which can constitute a nuisance.

9. "Facilities" shall include structures and conduits for the purpose of treatment, neutralizing, stabilizing, or disposal of domestic wastewater and/or industrial or other wastewaters as-are disposed of by means of such structures and conduits including treatment and disposal works, necessary intercepting, outfall, and outlet sewers, and pumping stations integral to such facilities with sewers, equipment, furnishings thereof and other appurtenances connected therewith.
10. "Garbage" shall mean the animal and vegetable wastes resulting from the handling, preparation, cooking, and serving of food. It is composed largely of biodegradable organic matter and its natural moisture content.
11. "Properly Shredded Garbage" shall mean garbage that has been shredded to such a degree that all particles will be carried freely under the flow conditions normally prevailing in public sewers, with no particle greater than one-half (1/2) inch (1.27 centimeters) in any dimension.
12. "Industrial Wastewater" shall mean water in which the wastes from industrial manufacturing processes, laboratory, trade or business predominates as distinct from domestic wastewater.
13. "Industry" shall mean an establishment with facilities for testing, trade, or manufacturing purposes.
14. "Person" shall mean any individual, firm, company, association, society, corporation, group, trust, or governmental authority.
15. "pH" shall mean the reciprocal of the logarithm (to the base ten) of the hydrogen ion concentration in grams per liter of solution.
16. "Receiving Waters" shall mean any watercourse, river, pond, ditch, lake, aquifer, or other body of surface or groundwater receiving discharge of wastewaters.
17. "Public Sewer" shall mean a sewer in which all owners of abutting properties have equal rights, and is controlled by public authority.
18. "Domestic Sewer" shall mean a sewer which carries domestic wastewater and to which storm, surface and groundwater are not intentionally admitted.
19. "Sewer" shall mean a pipe or conduit for carrying wastewater.
20. "Shall" is mandatory; "May" is permissive.
21. "Slug" shall mean any discharge of water or wastewater which in concentration of any given constituent or in quantity of flow exceeds for any period of duration longer than

fifteen (15) minutes, more than five (5) times the average twenty-four (24) hour concentration, or flow, during normal operation.

22. "Spill" shall mean the release, accidents or otherwise of any material not normally released to the facilities, which by virtue of its volume, concentration or physical or chemical characteristics creates a hazard to the facilities, their operation or their personnel. Such characteristics shall include, but are not limited to volatile, explosive, toxic or otherwise unacceptable materials.
23. "Storm Drain" shall mean a pipe or conduit for conveying rainwater, groundwater, subsurface water, condensate, cooling water, or other similar discharge to a storm drain or combined sewer.
24. "Superintendent" shall mean the Superintendent of the Auburn Sewerage District or his authorized agent or representative.
25. "Suspended Solids" shall mean solids that either float on the surface of, or are in suspension in water, wastewater, or other liquids, and which are removable by laboratory filtering, and are referred to as nonfilterable residue in the laboratory test prescribed in "Standard Methods for the Examination of Water and Wastewater".
26. "Wastes" shall mean substances in liquid, solid or gaseous form that can be carried in water.
27. "Wastewater" shall mean the spent water of a community and may be a combination of the liquid and water-carried wastes from residences, commercial buildings, industrial plants, and institutions, together with any groundwater, surface water, and stormwater that may be present.
28. "Wastewater Treatment Works" shall mean any arrangement of devices and structures used for treating wastewater.
29. "Wastewater Works" shall mean all structures, equipment, and processes for collecting, pumping, treating, and disposing of wastewater.

ARTICLE II

Building Sewers and Connections:

1. No unauthorized person shall uncover, make any connection with or opening into, use, alter, or disturb any public sewer or appurtenance thereof, without first obtaining a permit from the Superintendent.
2. Application for Permits to connect or disconnect with any public sewer or drain must be made to the Superintendent on a form supplied by him. It must be accompanied by a copy of the applicant's plumbing permit. The application must be signed by the owner of the premises to be connected, or his attorney. All applications must be made prior to the

commencement of any work and be accompanied by a five dollar (\$5.00) connection fee.

3. Each application shall include an agreement by the owner to abide by all rules and regulations of the Auburn Sewerage District.
4. All applicants for permits for sewer connections involving industrial wastewater, in addition to compliance with these rules and regulations, shall also file application for permit to discharge wastes to the facilities of the Lewiston-Auburn Water Pollution Control Authority. Such application shall be made directly to the Authority, a minimum of 45 days prior to such discharge, on forms provided by the Authority with a copy to the Auburn Sewerage District.
5. The applicant for the building sewer permit shall notify the Superintendent of the Auburn Sewerage District when the building sewer is ready for inspection and connection to the public sewer. The connection shall be made under the supervision of the Superintendent of the Auburn Sewerage District or his representative.
6. All costs and expenses incident to the installation and connection of the building sewer shall be borne by the owner. The owner shall indemnify the Auburn Sewerage District from any loss or damage that may directly or indirectly be occasioned by the installation of the building sewer.
7. A separate and independent building sewer shall be provided for every building; except where one building stands at the rear of another on an interior lot and no private sewer is available or can be constructed to the rear building through an adjoining alley, court yard, or driveway; the building sewer from the front building may be extended to the rear building and the whole considered as one building sewer.
8. All excavations for building sewer installations shall conform to the City of Auburn's Street Opening Ordinance and requirements.
9. The connection of the building sewer into the public sewer shall conform to the requirements of the building code and plumbing code of the City of Auburn and the State of Maine, and these rules and regulations. All connections shall be watertight and gastight. Individual homeowners are responsible for the maintenance and repair of their house connections, which include the lines that run from the building to the District's line that is normally located in the street.
10. No person shall dismantle or move any building in the City having a service entrance into a public sewer without first having sealed the area of the entrance of the service into such building with a masonry plug. If, upon examination by the Superintendent of the Auburn Sewerage District the sewer service is found to be unserviceable, the owner shall remove such service and seal the opening at the main.

11. Old building sewers may be used in connection with new buildings only when they can be shown by the applicant to meet all requirements of this ordinance.
12. Permits to connect with a sewer may at any time be revoked and annulled by the Superintendent for any violation of these rules and regulations. All parties in interest shall be held to have waived the right to claim damages on account of such revocation provided that such revocation shall be annulled on compliance with these rules and regulations.

ARTICLE III

Use of Public Sewers:

1. No person shall discharge or cause to be discharged any storm water, surface water, groundwater, roof runoff, subsurface drainage, cooling water, or unpolluted industrial process water, to any domestic sewer. Existing plumbing systems not meeting this requirement will be allowed until such time as repairs or renovations of the existing plumbing system make separation feasible.

Storm water and all other unpolluted drainage shall be discharged to storm drains or to a natural outlet approved by the Superintendent. Industrial cooling water or unpolluted process water may be discharged upon approval of the Superintendent to storm drains or natural outlets.

In areas where the sewer system consists of combined sewers or where connections of downspouts, surface drains, and other connections of unpolluted water to the wastewater system have been allowed the Auburn Sewerage District:

- (a) shall permit no new construction of combined wastewater and stormwater drainage systems on real properties after these rules and regulations have been adopted. New wastewater and storm water drainage service connections shall be kept separated;
- (b) wherever feasible, shall reduce or eliminate storm drain connections that permit the discharge into existing wastewater works of waters not containing domestic or industrial wastewaters;
- (c) shall require the joints and openings of all domestic wastewater systems constructed after official adoption of these rules and regulations shall be made watertight to prevent excess infiltration or exfiltration;
- (d) where circumstances make compliance with (1) above impractical according to the judgment of the Board of Trustees of the Auburn Sewerage District, then the Board may approve a plan for discharge of said waters listed in (1) above, in an alternate manner, taking into consideration the existing sewer system, the affect of

the plan on the environment of the area and on the sewer system of the Auburn Sewerage District

2. No person shall discharge or cause or allow to be discharged into any facility under the control of the Auburn Sewerage District or the Authority, the following described substances, materials, waters, or wastes if in the opinion of the District, or the Authority or its Superintendent, such substances, materials, waters, or wastes are in excessive amounts or-concentrations.

Unless allowed under Art. III 3 of these rules and regulations wastewaters and wastes considered to contain excessive constituents or characteristics as determined by the Authority and the Auburn Sewerage District and therefore are prohibited, include:

- (a) Any wastewaters containing toxic or poisonous liquids gases, or solids in excessive quantity, either singly or by interaction with other wastes.
- (b) Any wastewater, liquid, or vapor having a temperature higher than one hundred fifty (150°F).
- (c) Any wastewaters containing caustic alkalinity, calculated as CaCO_3 (calcium carbonate), in excess of 100 milligrams per liter or in volumes which may be excessive.
- (d) Any wastewaters having a pH lower than 5.5 or higher than 9.5 or having any other corrosive property capable of causing damage or hazard to structures, equipment, process or personnel at the wastewater works.
- (e) Any wastewaters containing fats, waxes, grease, or oils whether emulsified or not, in excess of one hundred (100) mg/l or containing substances which may solidify or become viscous at temperatures between thirty-two (32°F) and one hundred fifty (150°F).
- (f) Any gasoline, benzene, naphtha, fuel oil, or other flammable or explosive liquid, solid, or gas.
- (g) Any solid or viscous substances in such quantities or of such size to be capable of causing obstruction to the flow in sewers, or other interference with the proper operation of the wastewater works, such as, but not limited to, ashes, cinders, etc.
- (h) Any garbage that has not been "properly shredded" (see Article I, Section j)
- (i) Any wastewaters containing excessive amounts of iron, chromium, copper, zinc, mercury, mineral acid, and similar objectionable or toxic substances.

- (j) Any wastewaters containing phenols or other taste or odor producing substances in excessive amounts.
 - (k) Any radioactive wastes or isotopes in excessive amounts of such half-life or concentration as may exceed limits established in applicable State or Federal regulations.
- (1) Any wastewaters containing:
- (1) An average concentration of suspended solids in excess of four hundred (400) milligrams per liter (mg/l) or an average concentration of excessive dissolved solids (such as, but not limited to, sodium chloride and sodium sulfate) of six hundred (600) milligrams per liter (mg/l).
 - (2) Materials which cause excessive discoloration (such as, but not limited to, dye wastes and vegetable tanning solutions).
 - (3) An average concentration of BOD in excess of five hundred (500) milligrams per liter (mg/l) or material which cause unusual chemical oxygen demand, or chlorine requirements.
 - (4) Materials in such concentration as to constitute "slugs" as defined under Article I.
 - (5) Materials which are not amenable to treatment or reduction by the wastewater treatment processes employed, or are amenable to treatment only to such a limited degree that the wastewater treatment plant effluent cannot meet the requirements of other agencies having jurisdiction over discharge to the receiving waters.
3. If any wastewaters or wastes are discharged, or are proposed to be discharged to the public sewers, containing excessive substances or possess excessive characteristics the District may:
- (a) Reject the wastewaters or the wastes.
 - (b) Require that pretreatment of wastewaters or wastes be provided to modify them to an acceptable condition for discharge to the public sewers, and/or
 - (c) Require control over the quantities and rates of discharge of the wastewaters or the wastes.
 - (d) Require a payment to cover the added costs (surcharge) of handling and treating the wastes not covered by the regular Sewer Service Charge established by the Trustees of the Auburn Sewerage District.
4. Grease, oil and sand interceptors shall be provided when, in the opinion of the Board of

Trustees of the Auburn Sewerage District or the Authority they are necessary for the proper handling of liquid wastes containing grease in excessive amounts, or any flammable wastes, sand, or other harmful ingredients. All interceptors shall be of a type and capacity approved by the Board of Trustees of the Auburn Sewerage District and the Authority, and shall be located as to be readily and easily accessible for cleaning and inspection.

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

5. When required by the Board of Trustees of the Auburn Sewerage District or the Authority, the owner of any property served by a public sewer carrying industrial wastes shall install a suitable control structure and wastewater flow measuring and monitoring device in the building sewer to facilitate observation, sampling and measurement of the wastes. Such structure and measuring devices, when required, shall be accessible and safely located and shall be constructed in accordance with the plans approved by the Board of Trustees of the Auburn Sewerage District and the Authority. The structure and flow measuring device shall be installed by the owner at his own expense and shall be maintained by him so as to meet the standards set by the Board of Trustees of the Auburn Sewerage District and the Authority at all times.
6. The applicant shall provide such works for the preliminary treatment of the wastewater, drainage, substances or wastes as may be required to carry out the purpose of these rules and regulations by the Auburn Sewerage District and the Authority, and that the applicant will permit duly authorized representatives of the Auburn Sewerage District or the Authority to enter the premises of the industry to sample and measure wastewaters, as needed to check characteristics of the wastewaters, when so directed by the Authority. Applications for pre-treatment facilities are to be accompanied by plans, specifications and other pertinent information relating to these facilities; along with data showing essential characteristics of all wastewater outlets, analyses of existing wastewater, and statements as to existing and expected average and maximum wastewater flows. All of this must be submitted to and approved-by the Auburn Sewerage District and the Authority prior to initiating discharge into facilities of the Authority or the Auburn Sewerage District. Where preliminary treatment facilities are provided for any waters or wastes, they shall be maintained continuously in satisfactory and efficient operation by the owner at his expense.
7. All measurements, tests and analyses of the characteristics of the waters and wastes to which reference is made in Sec. 12 shall be determined in accordance with the "Standard Methods for the Examination of Water and Sewage" and shall be determined at the control structure provided for in Sec. 5, or upon suitable samples taken at the control structure. In the event that no special structure has been required, a control structure shall be considered to be the nearest downstream manhole to the public sewer from the point at which the building sewer is connected.

8. Any person found to be violating or in violation of any provision of this article shall be served by the Auburn Sewerage District, with a written notice stating the nature of the violation and providing a reasonable time limit, as determined by the Auburn Sewerage District for the satisfactory correction thereof. The offender shall, within the period of time stated in the notice, permanently cease all such violations.
9. Any person violating any of the provisions of this article shall become liable to the Auburn Sewerage District for any expense, loss or damage occasioned by the Auburn Sewerage District by reason of such violation.
10. If deemed necessary by the Auburn Sewerage District or the Authority, each applicant shall submit an annual report on the first of July each year, or such time as designated by the Authority, to the Authority, with a copy to the Auburn Sewerage District, containing information as to the minimum, average and peak flows of industrial wastewater discharges during the previous year and at time or times designated by the Authority; accompanied by designated analyses of wastewater samplings taken in an acceptable manner at approved times during the flow measuring periods.

Each applicant will be responsible, at his own expense, to collect and analyze wastewater from his property in a manner prescribed by the Auburn Sewerage District.

11. No statement contained in this article shall be construed as preventing any special agreement or arrangement between the Auburn Sewerage District and any industrial concern whereby an industrial waste of unusual strength or character may be accepted by the Auburn Sewerage District for treatment, subject to payment therefor by the industrial concern.
12. Measurement and analyses of industrial wastes are to include but not necessarily be limited to items from the following list where applicable. The analyses are to be conducted in accordance with the methods prescribed in the latest edition of "Standard Methods for the Examination of Water and Wastewater". If any item is not applicable, it shall be so stated on the report of the measurements and the reason for deletion stated.

Physical Parameters

- Flow
- pH
- Temperature
- Color
- Specific conductance

Chemical Parameters

- Total solids
- Total volatile solids
- Total suspended solids
- Total Dissolved solids
- Acidity

Alkalinity
5-day BOD
COD
Oil and Grease
Chloride
Sulfate
Sulfide
Phenols
NH₃ (as N)
NO₃ (as N)
NO₂ (as N)
Kjeldahl Organic Nitrogen (as N)
Ortho-phosphorous (as P)
Total phosphorous
Cr, Cu, Fe, Cd, Pb, Mn, Zn, F, As, Hg

ARTICLE IV

Sewerage System User Charge

1. Each person, firm, or corporation discharging wastewater to a public sewer shall be subject to a sewer service charge. The sewer service charge shall be based on the quantity, strength and characteristics of the wastewater discharge to the public sewer.

All rates shall be established as set forth in Section 8 of the Private & Special Laws of 1917 as amended, an Act to create the Auburn Sewerage District.

2. Where the strength or characteristics of wastewater accepted into the public sewers exceeds the standards set forth below, and subject to the condition set forth in Sec. 2, a surcharge shall be added to the normal sewerage use charge. For the purpose of fixing surcharge rates, the characteristics indicating surchargeable wastewater strength are:

Suspended Solids	in excess of 300 mg/l
Biochemical Oxygen Demand	in. excess of 250 mg/l

The Auburn Sewerage District may adjust these surchargeable characteristics and the surcharge levels whenever necessary.

This section does not interfere with the right of an industry to make a special agreement or arrangement with the Auburn Sewerage District.

END OF SECTION