

Hillcrest Sewer District Regulations For Sewer Use

RULES AND REGULATIONS GOVERNING THE USE OF PUBLIC SEWERS AND DRAINS, THE INSTALLATION AND CONNECTION OF BUILDING SEWERS AND THE DISCHARGE OF WATERS AND WASTES INTO THE PUBLIC SEWER SYSTEM: AND PROVIDING PENALTIES FOR VIOLATIONS THEREOF IN THE HILLCREST SEWER DISTRICT IN THE TOWN OF LEICESTER, COUNTY OF WORCESTER, STATE OF MASSACHUSETTS.

Be it ordained and enacted by the Sewer Commissioners of the Hillcrest Sewer District in the Town of Leicester, Massachusetts, that the following are the rules and regulations as adopted by the Sewer Commissioners on January 21, 2003.

ARTICLE 1 DEFINITIONS

Unless the context specifically indicates otherwise, the meaning of the terms used in these Rules and Regulations shall be as follows:

Section 1 "BOD" (denoting Biochemical Oxygen Demand) shall mean the quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedure in five (5) days at 20 degree C, expressed in milligrams per liter.

Section 2 "Building Drain" shall mean that part of the lowest horizontal piping of a drainage system which receives the discharge from soil, waste, and other drainage pipes inside the walls of the building and conveys it to the building sewer, beginning five (5) feet (1.5 meters) outside the inner face of the building wall.

Section 3 "Building Sewer" shall mean the extension from the building drain to the public sewer or other place of disposal.

Section 4 "District" shall mean the Hillcrest Sewer District.

Section 5 "Garbage" shall mean solid waste from domestic and commercial preparation, cooking, and dispensing of food, and from the handling, storage, and sale of produce.

Section 6 "Industrial Waste" shall mean the liquid waste from industrial manufacturing processes, trade, or business as distinct from sanitary sewage.

Section 7 "Natural Outlet" shall mean any outlet into a watercourse, pond, ditch, lake, or other body surface or groundwater.

Section 8 "Person" shall mean any individual, firm, company, association, society, corporation, or group.

Section 9 "pH" shall mean the logarithm of the reciprocal of the weight of hydrogen ions in grams per liter of solution.

Section 10 "Properly Shredded Garbage" shall mean the waste from the preparation, cooking, and dispensing of foods that have been shredded to such a degree that all particles will be carried freely under the flow conditions normally prevailing in public sewers, with no particle greater than one-half (1/2) inch (1.27 centimeters) in any dimension.

Section 11 "Public Sewer" shall mean a sewer in which all owners of abutting properties have equal rights, and is controlled by public authority.

Section 12 "Sanitary Sewer" shall mean a sewer, which carries sewage, and to which storm, surface, and groundwaters are not intentionally admitted.

Section 13 "Sewage" shall mean a combination of the water carried wastes from residences, business buildings, institutions, and industrial establishments, together with such ground, surface, and storm waters as may be present

Section 14 "Sewage Treatment Plant" shall mean any arrangement of devices and structures used for treating sewerage.

Section 15 "Sewage Works" shall mean all facilities for collecting, pumping, treating, and disposing of sewage.

Section 16 "Sewer" shall mean a pipe or conduit for carrying sewage.

Section 17 "Shall" is mandatory; "May" is permissive.

Section 18 "Slug" shall mean any discharge of water, sewage, or industrial waste 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 flows during normal operation.

Section 19 "Storm Drain" (sometimes termed "Storm Sewer") shall mean a sewer, which carries storm and surface waters and drainage, but excluded sewage and industrial wastes, other than unpolluted cooling water.

Section 20 "Superintendent" shall mean the Superintendent of the Water and Sewage Works of the Leicester Water Supply District, in the Town of Leicester, or his authorized deputy, agent or representative.

Section 21 "Suspended Solids" shall mean solids that either float on the surface of, or are in suspension in water, sewage, or other liquids, and which are removable by laboratory filtering.

Section 22 "Watercourse" shall mean a channel in which a flow of water occurs, either continuously or intermittently.

Section 23 "Sewer Commissioners" shall mean the Board of Sewer Commissioners of the Hillcrest Sewer District who according to the By Laws have the general direction of the affairs of the District and have the duty of making such Rules and Regulations as may be necessary for the operation of the District.

**ARTICLE 2
BUILDING SEWERS AND CONNECTIONS**

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

Section 2 There shall be two (2) classes of building sewer permits: (a) for residential and commercial service, and (b) for service to establishments producing industrial wastes. In either case, the owner shall make application on a special form furnished by the District. The permit application shall be supplemented by any plans, specifications, or other information considered pertinent in the judgment of the Superintendent.

Section 3 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 District from any loss or damage that may directly or indirectly be occasioned by the installation of the building sewer.

- a) Single family houses and multiple housing connecting into an existing sewer or connecting a new sewer into an existing sewer trunk line or lateral shall be subject to a connection fee for each unit or apartment payable to the appropriate district (Leicester Water Supply District or Oxford Rochdale Sewer District), in the amount to be determined by that district, upon application to the Commissioners for such service.
- b) The connection fee for commercial and industrial installations, dormitories, school facilities, churches, etc. shall be determined by the Commissioners based on the Title 5 requirements at the rate of Twelve Dollars (\$12.00) per gallon and shall be payable to the Hillcrest Sewer District before connection is approved by the Commissioners.
- c) Any living dwelling that was not included as part of the original layout will incur a membership fee not to exceed \$15,320 payable to the Hillcrest Sewer District, plus the current connection fee as defined above.

Section 4 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.

Section 5 Old building sewers may be used in connection with new building sewers only when they are found, on examination and test by the Superintendent to meet all requirements of these Rules and Regulations.

Section 6 The size, slope alignment, materials of construction of a building sewer, and the methods to be used in excavating, placing of the pipe, jointing, testing, and backfilling the trench, shall all conform to the requirements of the building and plumbing code or the applicable Rules and regulations of the District.

- a) No sewer service may be installed during the winter months from November 15 to April 15 unless special permission is granted by the Sewer Commissioners.
- b) All work on sewer lines shall be done only by qualified persons or contractors experienced in this kind of work, and they shall carry liability insurance for Personal Injury and Property Damage with the limits satisfactory to the District. Certificates of Insurance shall be in the hands of the Superintendent before work is started. Road permits will be required of every installer of a sewer service in a public way before any work is started. These permits are issued by the Town of Leicester or the State of Massachusetts depending upon the location of the work.
- c) When main sewer trunks are installed at the expense of persons other than the District, said main trunks shall automatically become the property of the districts seven (7) years after date of installation unless said persons choose to relinquish ownership sooner.
- d) Pipe of the following material may be used for sewer lines:
 - 1) Ductile cement lined class 52
 - 2) PVC SDR 35 minimum
- e) When any change in direction is made in the sewer pipe, either in horizontal or vertical direction, curves shall be used.
- f) No connection with the sewers at right angles shall be made. All connections shall be slants, at or near the center of the sewer trunk at any angle of not more than forty five (45) degrees.
- g) In opening any street or public way, all materials for paving or ballasting shall be removed with the least possible injury or loss of the same and together with the excavated material from the trench, shall be placed where that shall cause the least practical inconvenience to the public
- h) No person as a drain layer shall make any entrance into a sewer, unless he be duly authorized by the Superintendent; and such person shall make good any defects which may appear in any sewer, street, drain, or work done by him, and remunerate the State, Town or District or any person for loss or damage occurring in consequence of any work done under any permit granted him.
- i) No person permitted by the Superintendent to make connections with sewers shall allow his name to be used by any other person either for the purpose of obtaining permits or doing any other work under his permit.
- j) When a sewer line is exposed for a connection, the connection shall be made and the sewer line shall be suitably backfilled the same day unless special permission is given by the Superintendent.

Section 7 Whenever possible, the building sewer shall be brought to the building at an elevation below the basement floor. In all buildings in which any building drain is too low to permit gravity flow to the public sewer, sanitary sewage carried by such building drain shall be lifted by an approved means and discharged to the building sewer.

Section 8 No person shall make connection of roof downspouts, exterior foundation drains, areaway drains, or other sources of surface runoff or ground water to a building sewer or building drain, which in turn is connected directly or indirectly to a public sanitary sewer.

Section 9 The connection of the building sewer into the public sewer shall conform to the requirements of the building and plumbing code or other applicable Rules and Regulations of the District. All such connections shall be made gastight and watertight. Any deviation from the prescribed procedures and materials must be approved by the Superintendent before installation.

Section 10 The applicant for the building sewer permit shall notify the Superintendent 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 or his representative.

Section 11 All excavations for building sewer installation shall be adequately guarded with barricades and lights so as to protect the public from hazards. Streets, sidewalks, parkways, and other public property disturbed in the course of the work shall be restored in a manner satisfactory to the Town of Leicester or the State of Massachusetts depending on the location of the work.

**ARTICLE 3
USE OF PUBLIC SEWER**

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

- a) No water from pools, reservoirs, or cellars shall be drained into any sanitary sewer either by gravity or pump.

Section 2 Storm water and all other unpolluted drainage shall be discharged to such sewers as are specifically designed as storm sewers, or to a natural outlet approved by the Town of Leicester. Industrial cooling water or unpolluted process waters may be discharged, on approval of the Town of Leicester, to a storm sewer, or natural outlet.

Section 3 No person shall discharge or cause to be discharged any of the following described waters or wastes to any public sewer inlet or manhole:

- a) Any gasoline, benzene, naphtha, fuel oil, or other flammable or explosive liquid, solid, or gas.
- b) Any waters wastes containing toxic or poisonous solids, liquids or gases in sufficient quantity, either singly or by interaction with other wastes, to injure or interfere with any sewage treatment process, constitutes a hazard to humans or animals, create a public nuisance, or create any hazard in the receiving waters of the sewage treatment plant.
- c) Any waters or wastes having a pH lower than 5.5, or having any other corrosive property capable of causing damage or hazard to structures, equipment, and personnel of the sewage works.
- d) Solid or viscous substances in quantities or of such size capable of causing obstruction to the flow in sewers, or other interference with the proper operation of the sewage works such as, but not limited to, coffee grounds, ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, un ground garbage, whole blood, paunch manure, hair and fleshing, entails and paper dishes, cups, milk containers, etc. either whole or ground by garbage grinders.

Section 4 No person shall be discharge or cause to be discharged the following described substances, materials, waters, or wastes if it appears likely in the opinion of the Superintendent that such wastes can harm either the sewers, sewage treatment process, or equipment, have an adverse effect on the receiving stream, or can otherwise endanger life, limb, public property, or constitute a nuisance. In forming his opinion as to the acceptability of these wastes, the Superintendent will give consideration to such factors as the quantities of subject wastes in relation to flows and velocities in the sewers, materials of construction of the sewers, nature of the sewage treatment process, capacity of the sewage treatment plant, degree of treat ability of wastes in the sewage treatment plant, and other pertinent factors. The substances prohibited are:

- a) Any liquid or vapor having a temperature higher than one hundred fifty (150) degree F, (65)-degree C.
- b) Any water or waste containing fats, wax, grease. Or oils, whether emulsified or not, in excess of one hundred (100) mg/1 or containing substances which may solidify or become viscous at temperatures between thirty two (32) and one hundred fifty (159) degrees F (0 and 65) degrees C.
- c) Any garbage that has not been properly shredded. The installation and operation of any garbage grinder equipped with a motor of three fourths (3/4) horsepower (0.76 hp metric) or greater shall be subject to the review and approval of the Sewer Commissioners.
- d) Any waters containing strong acid, iron, pickling wastes or concentrated plating solutions whether neutralized or not.
- e) Any waters or wastes containing iron, chromium, copper, zinc, and similar objectionable or toxic substances; or wastes exerting an excessive chlorine requirement, to such degree that any such material received I the composite sewage at the sewage treatment works exceeds the limits established by the Superintendent for such materials.
- f) Any waters or wastes containing phenols or other taste or odor producing substances, in such concentrations exceeding limits which may be established by the Superintendent as necessary, after treatment of the composite sewage to meet the requirements of the State, federal, or other public agencies or jurisdiction for such discharge to the receiving waters.
- g) Any radioactive wastes or isotopes of such half life or concentration as may exceed limits established by the Superintendent in compliance with applicable State and Federal regulations.
- h) Any waters or wastes having a pH in excess of 9.5.
- i) Materials which exert or cause:
 - 1) Unusual concentrations of inert suspended solids such as, but not limited to Fullers earth, lime slurries, and lime residues or of dissolved solids such as, but not limited to, sodium chloride and sodium sulfate.
 - 2) Excessive discoloration such as, but not limited to, dye wastes and vegetable tanning solutions.
 - 3) Unusual BOD, chemical oxygen demand, or chlorine requirements in such quantities as to constitute significant load on the sewage treatment works.
 - 4) Unusual volume of flow or concentration of wastes constituting "slugs" as defined herein.
- j) Waters or wastes containing substances which are not amenable to treatment or reduction by the sewage treatment processes employed, or are amenable to treatment only to such degree that the sewage treatment plant effluent can not meet the requirements of other agencies having jurisdiction over discharge to the receiving waters.

Section 5 If any waters or wastes are discharged, or are proposed to be discharged to the public sewers, which waters contain the substances or possess the characteristics enumerated in Section 4 of this Article, and which in the judgment of the Superintendent, may have a deleterious effect upon the sewage works, processes, equipment or receiving waters, or which otherwise creates a hazard to life or constitute a public nuisance, the Superintendent may:

- a) Reject the wastes
- b) Require pretreatment to an acceptable condition for discharge to the public sewers.
- c) Require control over the quantities and rates of discharge, and or
- d) Require payment to cover the added cost of handling and treating the waste not covered by the existing taxes or sewer charges under the provisions of Section 10 of this Article.
- e) If the Superintendent permits the pretreatment or equalization of the waste flows, the design and installation of the plant and equipment shall be subject to the review and approval of the Superintendent, and subject to the requirements of all applicable codes, rules and regulations, and laws.

Section 6 Grease, oil and sand interceptors shall be provided when, in the opinion of the Superintendent, they are necessary for the proper handling of liquid wastes containing grease in excessive amounts, or any flammable wastes, sand or other harmful ingredients; except that such interceptors shall not be required for private living quarters or dwelling units. All interceptors shall be of a type and capacity approved by the Superintendent, and shall be located as to be readily and easily accessible for cleaning and inspection.

Section 7 Where preliminary treatment or flow equalizing facilities is provided for any waters or wastes, the owner at his expense shall maintain them continuously in satisfactory and effective operation.

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

Section 9 All measurements, tests, and analyses of the characteristics of waters and wastes to which reference is made in these Rules and Regulations shall be determined in accordance with the latest edition of "Standard Methods for Examination of Water and Wastewater," published by the American Public Health Association, and shall be determined at the control manhole provided, or upon suitable samples taken at said control manhole. In the event that no special manhole has been required, the control manhole shall be considered to be the nearest downstream manhole in the public sewer to the point at which the building sewer is connected. Sampling shall be carried out by customarily accepted methods to reflect the effect of constituents upon the sewer works and to determine the existence of hazards to life limb, and property. The particular analyses involved will be determined whether a twenty four (24) hour composite of all outfalls of a premise is appropriate or whether a grab sample or sampled should be taken. Normally, but not always, BOD and suspended solids analyses are obtained from 24 hr composites of all outfalls where as pHs are determined from periodic grab samples.

Section 10 No statement contained in this Article shall be construed as preventing any special agreement between the District and any industrial concern whereby an industrial waste of unusual strength or character may be accepted by the District for treatment, subject to payment therefore, by the industrial concern.

**ARTICLE 4
PROTECTION FROM DAMAGE**

Section 1 No unauthorized person shall maliciously, willfully, or negligently break, damage, destroy, cover, uncover, deface, or tamper with any structure, manhole, appurtenance, or equipment, which is part of the sewage, works. Any person violating this provision shall be subject to immediate arrest under charge of disorderly conduct.

**ARTICLE 5
POWERS AND AUTHORITY OF INSPECTORS**

Section 1 The Superintendent and other duly authorized employees of the Sewer District bearing proper credentials and identification shall be permitted to enter all properties for the purpose of inspection, observation, measurement, sampling, and testing in accordance with the provisions of these Rules and Regulations. The Superintendent or his representatives shall have the authority to inquire into any processes including metallurgical, chemical, oil refining, ceramic, paper or other industries beyond the point having a direct bearing on the kind and source of discharge to the sewers or waterways or facilities for waste treatment.

Section 2 While performing the necessary work on private properties referred to in Article 5, Section 1, the Superintendent or duly authorized employee of the District shall observe all safety rules applicable to the premises established by the company and the company shall be held harmless from injury or death to the District employees and the District shall indemnify the company against loss or damage to its property by the District employees against liability claims and demands for personal injury or property damage asserted against the company and growing out of the gauging and sampling operation, except as such may be caused by negligence or failure of the company to maintain safe conditions as required in Article 3, section 8.

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

**ARTICLE 6
PENALTIES**

Section 1 Any person found in violating of any provision of these rules and regulations except ARTICLE 4 shall be served by the District with written notice stating the nature of the violation and providing a reasonable time limit for satisfactory correction thereof. The offender shall, within the period of time stated in such notice, permanently cease all violations.

Section 2 Any person who shall continue any violation beyond the time limit provided for in ARTICLE 6 Section 1, shall be guilty of a misdemeanor and on conviction thereof shall be fined in the amount not exceeding fifty (\$50.00) dollars for each violation. Each day in which any violation shall continue shall be deemed a separate offence.

Section 3 Any person violating any provisions of these Rules and Regulations shall become liable to the Sewer District for any expense, loss or damage occasioned the Sewer District by reason of such violation.

Section 4 For penalties for non-payment of bills; refer to Article 4, Section 1 and 2 of the Sewer Rules and Regulations.

**ARTICLE 7
SEWER DISTRICT NOT RESPONSIBLE**

Section 1 The Sewer District shall not be responsible for any inconvenience or damage due to breakdowns or stoppages

**ARTICLE 8
SEWER BILLS**

Section 1 See Article 3, Section 1 of the Sewer Rules and Regulations.

**ARTICLE 9
VALIDITY**

Section 1 All Rules and Regulations or parts of the Rules and Regulations in conflict herewith are hereby repealed.

Section 2 The invalidity of any section, clause, or provision of these Rules and Regulations, shall not affect the validity of any part of these Rules and Regulations, which can be given effect without such invalid part or parts.

**ARTICLE 10
RULES AND REGULATIONS IN FORCE**

Section 1 These Rules and Regulations adopted January 21, 2003 shall be in full force and effect from and after their passage, approval, recording, and publication as provided by law.

Section 2 These Rules and Regulations passed and adopted by the Sewer Commissioners of the Hillcrest Sewer District in the Town of Leicester, State of Massachusetts on this 21st day of January 2003 by unanimous vote.

Signed

Brian Green

Donald Stephens

Joseph Camarda

SEWER COMMISSIONERS

Attest: _____ District Clerk

Sandra M Wilson

Advertised in Worcester Magazine on September 18, 2003, September 25, 2003, and October 2, 2003.