

RULES AND REGULATIONS GOVERNING THE USE OF AND DISCHARGE OF
SUBSTANCES INTO THE PUBLIC SEWER SYSTEM OF
THE TOWN OF NORTH BRANFORD

In order to assure the proper operation and maintenance of public sewers, building sewers, pumping stations and sewage treatment plants, the Water Pollution Control Authority of the Town of North Branford does hereby adopt the following "Rules and Regulations Governing the Use and Discharge of Substances into the Public Sewer System of the Town of North Branford", in accordance with the power granted said commission by Ordinance of the Town of North Branford and the General Statutes of the State of Connecticut, as amended.

ARTICLE I - DEFINITIONS

Unless the context specifically indicates otherwise, the meaning of terms used in this Ordinance shall be as follows:

- Sec. 1 - "Authority shall mean the Town of North Branford Water Pollution Control (WPC) Authority, and "Town" shall mean the Town of North Branford.
- Sec. 2 - "BOD" (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 degrees Centigrade, expressed in milligrams per liter.
- Sec. 3 - "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 buildings and conveys it to the building sewer, beginning five (5) feet outside the inner face of the building wall.
- Sec. 4 - "Building Sewer" shall mean the extension from the building drain to the public sewer or other place of disposal.
- Sec. 5 - "Garbage" shall mean solid wastes from the domestic and commercial preparation, cooking and dispensing of food, and from the handling, storage and sales or produce.
- Sec. 6 - "Industrial Wastes" shall mean the liquid wastes from industrial manufacturing processes, trade or business as distinct from sanitary sewage.
- Sec. 7 - "Cooling Water" shall mean the water discharged from any system of condensation, air conditioning, cooling, refrigeration or other, but shall be free from odor and oil. It shall contain no pollution substances which would produce BOD or suspended solids each in excess of 10 parts per million by weight.

- Sec. 8 - "Natural Outlet" shall mean any point of discharge into a watercourse, pond, ditch, lake or body of surface groundwater.
- Sec. 9 - "Person", "Enterprises", "Establishment" or "Owner" shall mean any individual, firm, company, association, society, corporation or group.
- Sec. 10 - "PH" shall mean the logarithm of the reciprocal of the weight of hydrogen ions in grams per liter of solution. It is used to indicate the concentration of "free acid" and "free alkali".
- Sec. 11 - "Properly Shredded Garbage" shall mean the waste from preparation, cooking and dispensing of food 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 in any dimension.
- Sec. 12 - "Sewer" shall mean a pipe or conduit for carrying sewage.
- Sec. 13 - "Public Sewer" shall mean a sewer which is owned, maintained, or controlled by The Town of North Branford Water Pollution Control Authority.
- Sec. 14 - "Sewage" shall mean the water-carried wastes from residences, business buildings, institutions and industrial establishments, together with such ground, surface and stormwaters as may be present.
- Sec. 15 - "Unpolluted Water" shall mean water of quality equal to or better than the effluent criteria in effect or water that would not cause violation of receiving water quality standards and would not be benefited by discharge to the sanitary sewers and wastewater treatment facilities provided.
- Sec. 16 - "Sewage Treatment Plant" shall mean any arrangement of devices and structures used for treating sewage.
- Sec. 17 - "Sewage Works" or "Sewage System" shall mean all facilities for collecting pumping, treating and disposing of sewage or wastewater.
- Sec. 18 - "Shall" is mandatory. "May" is permissive.
- Sec. 19 - "Slug" shall mean any water or waste exceeding a concentration greater than five (5) times that of "Normal" sewage and which is discharged continuously for a period longer than 15 minutes.

Sec. 20 - "Stormdrain" (sometimes termed "Storm Sewer") shall mean a pipe or conduit which carries storm and surface waters and drainage, but excludes sewage and industrial wastes. It may, however, carry cooling waters and unpolluted waters.

Sec. 21 - "Inspector" shall mean any individual assigned by the Town Manger to examine and test material and work furnished by a contractor to observe the construction of a building sewer, or any part thereof, to assist the Contractor in the interpretation of specifications and methods of construction, to make measurements and to keep records for the Engineer and to report to the Engineer on the performance of the Contractor relative to the work, all as and only as instructed by the Engineer. No Inspector shall act as assistant to or foreman for a Contractor. Inspectors shall have no power to waive specifications of these rules and regulations or to otherwise deviate from the original covenants of any agreements or contracts.

Sec. 22 - "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.

Sec. 23 - "Town Engineer" shall mean that person so designated and employed by the Town of North Branford and his authorized deputy or authorized agent.

Sec. 24 - "Water Course" shall mean a channel in which a flow of water occurs, either continuously or intermittently.

ARTICLE II - USE OF PUBLIC SEWERS REQUIRED

Sec. 1 - It shall be unlawful for any person to place, deposit or permit to be deposited in any unsanitary manner on public or private property within the Town of North Branford, or in any area under the jurisdiction of said Town, any human or animal excrement, garbage or other objectional waste.

Sec. 2 - It shall be unlawful to discharge to any natural outlet within the Town of North Branford, or in any area under the jurisdiction of said Town, any sewage or other polluted waters, except where suitable treatment has been provided in accordance with subsequent provisions of this Ordinance.

Sec. 3 - It shall be unlawful to construct any privy, vault, septic tank, cesspool or other facility intended or used for the disposal of sewage where public sewers are provided.

Sec. 4 - When ordered by the Water Pollution Control Authority, the Owner of all houses, buildings or properties used for human occupancy, employment, recreation or other purposes situated with the Town of North Branford and abutting on any street, alley or right-of-way in which there is now located a public sanitary sewer of the Town or may, in the future, be located a public sanitary sewer of the Town, is hereby required at his expense, to install suitable toilet facilities therein and to connect such facilities directly with the proper public sewer in accordance with the provisions of this Ordinance, within ninety (90) days after date of official notice by the Water Pollution Control Authority, provided that said public sewer is within 100 feet of the property line.

Sec. 5a - 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 written permit from the Water Pollution Control Authority or its authorized agent. Any person proposing a new discharge into the system or a substantial change in the volume or character of pollutants that are being discharge into the system shall notify the Water Pollution Control Authority at least forty-five (45) days prior to the proposed change or connection.

Sec. 5b - There shall be two (2) classes of building sewer permits: (1) for residential and commercial service and (2) for service to establishments producing industrial wastes. In either case, the owner or his agent shall make application on a special form furnished by the Town of North Branford. The permit application shall be supplemented by any plans, specifications or other information required by the Rules and Regulations Governing the Construction of Building Sewers that Connect to the Public Sewer System of the Town of North Branford.

ARTICLE III - USE OF PUBLIC SEWERS AND NATURAL OUTLETS

Sec. 1 - No person shall discharge or cause to be discharged any stormwater, surface water, groundwater, roof runoff, subsurface drainage, uncontaminated cooling water or unpolluted industrial process waters to any sanitary sewer.

Sec. 2 - Stormwater and all other unpolluted drainage shall be discharged to such sewers as are specifically designed as storm sewers or to a natural outlet or water course approved by the Town Engineer. Industrial cooling water or unpolluted process water may be discharged on specific written approval of the Town Engineer and the State Commissioner of Environmental Protection, to a

storm sewer or natural outlet.

Sec. 3 - No person shall discharge or cause to be discharged any of the following described waters or wastes to any public sewers or natural outlet:

- a. Any gasoline, benzene, naptha, fuel oil or other flammable or explosive liquid, solid or gas.
- b. Any waters or 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, constitute a hazard to humans or animals, create a public nuisance or create any hazard in the receiving waters of the sewage treatment plant. Materials such as copper, zinc, chromium and similar toxic substances shall not be allowed in soluble form in concentration higher than those achieved in appropriate pretreatment facilities approved by the Town Engineer and the Commissioner of Environmental Protection.
- c. Any waters or wastes having a ph lower than 5.5 or having any other corrosive property capable or causing damage or hazard to structures, equipment and personnel of the sewage works.
- d. Solid 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, ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, paint, plastics, wood, whole blood, paunch manure, hair and fleshings, entrails and paper dishes, cups, milk containers and so forth, either whole or ground by garbage grinders.

Sec. 4 - No person shall discharge or cause to be discharged the following-described substances, materials, waters or wastes if it appears likely in the opinion of the Town Engineer 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 Town Engineer shall give consideration to such factors as the quantities of subject waste 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 treatability 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 120 degrees Fahrenheit (49 degrees Centigrade), except by written approval by the Town Engineer. In such cases, the Town Engineer may require installation by the industry of an approved temperature recorder in the receiving sewer. Where wastes are discharged to concrete sewers the maximum permissible average temperature of the mixed sewage just downstream of the point of waste discharge shall be determined by the following formula:

$$t = 177 - 94.2 (\log \text{BOD} - 2 \log V), \text{ where:}$$

t = Temperature, °f., of the mixed sewage just downstream of the point of discharge

log = logarithm to base 10 of the variable indicated

BOD = 5-day biochemical oxygen demand in parts per million of the mixed sewage just downstream of the point of discharge

V = average flow velocity in the sewer in feet per second just downstream of the point of discharge.

- b. Any water or waste containing fats, wax, grease or oils in excess of fifty (50) mg./l. for emulsified material and fifteen (15) mg./l. for free-floating material or containing substances which may solidify or become viscous at temperatures between thirty-two (32) and one hundred fifty (150) degrees Fahrenheit (0° and 65° Centigrade).
- 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 or greater shall be subject to the review and approval of the Town Engineer.
- d. Any waters or wastes 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 a degree that any such material received in the composite sewage at the treatment works exceeds the limits which may be established by the Town Engineer for such materials.

- f. Any waters or wastes containing phenols or other taste or odor-producing substances in such concentration exceeding limits which may be established by the Town Engineer as necessary after treatment of the State, Federal or other public agencies of jurisdiction for such discharge to the receiving waters.
- g. Any radioactive wastes or isotopes of such halflife or concentration as may exceed limits established by the Town Engineer in compliance with applicable State and/or 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 discharges from water softeners, iron removers or chemical feed pumps.
 - 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 a significant load on the sewage treatment works.
 - 4. Unusual volume of flow or concentration of wastes constituting slug, as defined herein.
- j. Waters or wastes containing substances which are not amenable to treatment or reduction by the sewage treatment process employed or are amenable to treatment only to such degree that the

sewage treatment plant effluent cannot meet the requirements of other agencies having jurisdiction over discharge to the receiving waters.

Sec. 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 Town Engineer, may have a deleterious effect upon the sewage works, processes, equipment or receiving waters or which otherwise create a hazard to life or constitute a public nuisance, the Town Engineer 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 wastes.

If the Town Engineer permits the pretreatment or equalization of waste flows, the design and installation of the plants and equipment shall be subject to the requirements of all applicable codes, ordinances and laws.

- a. Plans, specifications, expected performance date and any other pertinent information relating to holding tanks or to pretreatment facilities shall be prepared by a licensed professional engineer and submitted for approval of the Town Engineer and no construction of such facilities shall be commenced until said approvals are obtained in writing. The Town Engineer shall approve the holding tanks or pretreatment facilities, provided the same shall indicate that an effluent conforming to the provisions of these Regulations will be produced. If, after the installation of the facilities has been completed and operation has begun, the facilities do not produce the expected performance, the Town Engineer shall have the right to order the owner to cease operation until such time the modifications are made to enable the facilities to perform properly.

Sec. 6 - Grease, oil and sand interceptors shall be provided when, in the opinion of the Town Engineer, 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 Town Engineer and shall be located as to be readily and easily accessible for cleaning and inspection.

Sec. 7 - Where preliminary treatment facilities are provided for any waters or wastes, they shall be maintained continuously in satisfactory and effective operation by the owner at his own expense and shall be subject to periodic inspection by the Town Engineer and shall be of a type and capacity approved by the Town Engineer, provided they produce an effluent conforming to the provisions of these Regulations.

The owner shall maintain operating records and shall submit to the Town Engineer a monthly summary report of the character of the influent and effluent, as may be prescribed by the Town Engineer to show satisfactory performance of the treatment facilities.

For the purposes of measurement, the acceptability of pretreated industrial waste will be measured at the point where the industrial waste leaves a pretreatment facility and before dilution with any other waste stream or process water.

Sec. 8 - When required by the Town Engineer, the owner of any property serviced by a building sewer carrying industrial wastes shall install a suitable control manhole together with such necessary meters and other appurtenances in the building sewer to facilitate observation, sampling and measurement of the wastes. Such manhole, when required, shall be accessible and safely located and shall be constructed in accordance with plans approved by the Town Engineer. 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.

Sec. 9 - All measurements, tests and analyses of the characteristics of waters and wastes to which reference is made in these Regulations shall be determined in accordance with the latest edition of "Standard Methods for the Examination of Water and Waste Water", 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

sewage works and to determine the existence of hazards to life, limb, and property. The particular analyses involved will determine whether a twenty-four-(24) hour composite of all outfalls of a premise is appropriate or whether a grab sample or samples should be taken. Normally, but not always, BOD and suspended solids analyses are obtained from twenty-four-(24) hour composites of all outfalls, whereas pH's are determined from periodic grab samples.

Sec. 10 - All industries discharging into a public sewer shall perform such monitoring of their discharges as the Water Pollution Control Authority and/or other duly authorized employees of the Town of North Branford may reasonably require, including installation, use and maintenance of monitoring equipment, keeping records and reporting the results of such monitoring to the Water Pollution Control Authority. Such records shall be made available upon request by the Water Pollution Control Authority to other agencies having jurisdiction over discharges to the receiving waters.

Sec. 11 - No statement contained in this Article shall be construed as preventing any special agreement or arrangement between the Town of North Branford and any industrial concern, whereby an industrial waste of unusual strength or character may be accepted by the Town for treatment subject to payment therefore by the industrial concern.

ARTICLE IV - PROTECTION FROM DAMAGE

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

ARTICLE V - POWERS AND AUTHORITY OF INSPECTORS

Sec. 1 - The Inspector, Town Engineer or other duly-authorized employees of the Town of North Branford bearing proper credentials and identification shall be permitted to enter all properties for the purposes of inspection, observation, measurement, sampling and testing in accordance with the provisions of these Regulations.

Sec. 2 - While performing the necessary work on private properties referred to in Article VII, Sec. 1, above, the Inspector, Town Engineer or duly-authorized employees of the Town of North Branford shall observe all safety rules applicable to the premises established by the company and the company shall be held harmless for injury or death to the Town employees and the Town

shall indemnify the company against loss or damage to its property by Town Employees and 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 III, Section 8.

Sec. 3 - The Inspector, Town Engineer and other duly-authorized employees of the Town of North Branford bearing proper credentials and identification shall be permitted to enter all private properties through which the Town holds a duly-negotiated easement for the purposes of, but not limited to, inspection, observation, measurement, sampling, repair 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 VI - PENALTIES

Sec. 1 - Any person, firm or other legal entity found to be violating any provision of these Rules and Regulations shall be served by the Town of North Branford with written notice stating the nature of the violation and providing a reasonable time limit for the satisfactory correction thereof. The offender shall, within the period of time stated in such notice, permanently cease all violations.

Sec. 2 - Any person, firm, corporation or other legal entity who shall continue any violation beyond the time limit provided for in Article VI, Section 1 shall be subject to such penalties as may be provided by Ordinance of the Town of North Branford.

ARTICLE VII - INTERPRETATION

In the event of any questions as to the interpretation of any of the preceeding Rules and Regulations, the decision of the Water Pollution Control Authority or its agent shall be final.

ARTICLE VIII - VALIDITY

If any section, subsection, clause or phrase of these Rules and Regulations is, for any reason, found to be invalid by a court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of these Rules and Regulations.

ARTICLE X - EFFECTIVE DATE

Sec. 1 - These Rules and Regulations shall be in full force and effect from and after its passages, approval, recording and publication, as provided by law.