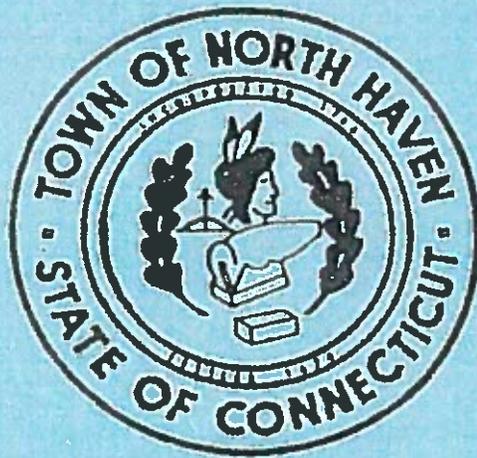


TOWN OF NORTH HAVEN

**WATER POLLUTION
CONTROL AUTHORITY**



**RULES AND
REGULATIONS**

**RULES AND REGULATIONS
OF THE TOWN OF NORTH HAVEN
WATER POLLUTION CONTROL AUTHORITY**

Approved

October 23, 2000

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Amended: October 1, 2009
Amended: April 23, 2012
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TOWN OF NORTH HAVEN

SANITARY SEWER

RULES AND REGULATIONS

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SECTION 1

1.0 INTRODUCTION

These Rules and Regulations establish specific limits for pollutant discharges which by their nature or by their interaction with sewage will be detrimental to the public health, cause damage to the public sewer or the water pollution control facility, pollute the waters of the State, or otherwise create a public nuisance. They also establish the procedures required for making connections to the public sewer in the Town of North Haven and for the installation of sewers in subdivisions.

These Rules and Regulations are intended to:

- A. Inform the public as to the technical and administrative procedures to be followed in obtaining connection to the Town of North Haven sanitary sewer system;
- B. Prevent the introduction of pollutants into the sanitary sewer system which will interfere with the collection and/or treatment system;
- C. Prevent the introduction of pollutants into the treatment system which will pass through the system, inadequately treated, into the waters of the State, or the atmosphere, or otherwise be incompatible with the system;
- D. Improve the opportunity to recycle and reclaim wastewaters and sludge from the system.

These Rules and Regulations shall apply to the Town of North Haven and to persons outside of North Haven who are users of the public sewer. Except as otherwise provided herein, the Director shall implement and enforce the provisions of these Rules and Regulations.

2.0 DEFINITIONS

- 2.1 "Act or "the Act" The Federal Water Pollution Control Act, also known as the Clean Water Act, as amended, 33 USC 1251, et seq.
- 2.2 ASTM means the American Society of Technical Measurements.
- 2.3 **Biochemical Oxygen Demand (BOD)** is the amount of oxygen required by bacteria while stabilizing decomposable organic matter under aerobic conditions for five (5) days. The determination of BOD shall be performed in accordance with the procedures prescribed in the latest edition of "Standard Methods for the Examination of Water and Wastewater".
- 2.4 **Building Drain** means that part of the lowest horizontal piping of a drainage system which receives the discharge from the 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.
- 2.5 **Building Sewer** means the extension from the building drain to the public sewer or other place of disposal; it may also be called a house connection.
- 2.6 **Categorical Standards** means National Categorical Pretreatment Standards or Pretreatment Standards.
- 2.7 **Combined Sewer** means a sewer intended to receive both sewage and storm or surface water.

- 2.23 **Incompatible Pollutant** means all pollutants other than compatible pollutants as defined in Section 2.10.
- 2.24 **Industrial Wastewater** means all wastewater from industrial process, trade, or business and is distinct from domestic sewage.
- 2.25 **Inspector** means any employee or agent of the Town of North Haven or the engineer assigned by the Water Pollution Control Authority (WPCA) to examine and test material and work finished 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 keep records, and to report on the performance relative to the work, all as, and only as, instructed by the Director or engineer. No inspector shall act as assistant to or foreman for a contractor. Inspectors shall have no power to waive specifications of rules or regulations or to otherwise deviate from the original covenants of any agreement or contract.
- 2.26 **May** is permissive; (see "Shall").
- 2.27 **Natural Outlet** shall mean any outlet into a watercourse, pond, ditch, lake, or other body of surface or groundwater.
- 2.28 **National Pollution Discharge Elimination System (NPDES) Permit** means a permit issued pursuant to Section 402 of the Act (33 USC 1342).
- 2.29 **OSHA** shall mean the Occupational Safety & Health Act.
- 2.30 **Owner** shall mean the person or persons having title to the property to be served by a sewer.
- 2.31 **Person** means any individual, partnership, co-partnership, firm, company, trust, corporation, association, joint stock company, estate, governmental entity, or any 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.
- 2.32 **pH** means the logarithm of the reciprocal of the hydrogen-ion concentrations. The concentration is the weight of hydrogen-ions, in grams per liter of solution.
- 2.33 **Pretreatment or Treatment** means the reduction of the amount of pollutants, the elimination 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 such pollutants into a water pollution control facility. The reduction or alteration can be obtained by physical, chemical, or biological processes, except as prohibited by Title 40, Code of Federal Regulations, Section 403.6 (d).
- 2.34 **Properly Shredded Garbage** shall mean the wastes from the preparation, cooking, and dispensing of food 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.
- 2.35 **Public Sewer** shall mean a common sanitary sewer controlled by a governmental agency or public utility.
- 2.36 **Road** means that portion of the public right of way used for vehicular travel.
- 2.37 **Sanitary Sewer** means a sewer which collects and conveys domestic sewage from residences, public buildings, commercial establishments, industries, and institutions. A sanitary sewer may also collect and convey permitted industrial wastewater and unintentionally admitted ground, storm and surface water.

3.0 USE OF PUBLIC SEWERS

3.1 The owner(s) of all houses, buildings or properties used for human occupancy, employment, recreation, or other purposes situated within the Town of North Haven and abutting on any street, alley or right of way in which there is now located or may in the future be located a public sanitary sewer of North Haven may, at the option of the Town of North Haven and the owner(s) expense, be required to install a building sewer to connect their building drain to the public sewer in accordance to the provisions of this Regulation, within sixty (60) days after date of official notice to do so.

3.2 It shall be unlawful for any person to construct or repair any privy, privy vault, septic tank, cesspool or other facility intended for the disposal of sewage, if public sewers are available.

4.0 DISCHARGE LIMITATIONS REGARDING THE USE OF PUBLIC SEWERS

4.1 No person shall discharge or cause to be discharged any unpolluted waters such as stormwater, groundwater, roof runoff, subsurface drainage, or cooling water to any sanitary sewer.

4.2 Stormwater and all other unpolluted drainage shall be discharged to such sewers as are specifically designed as combined sewers or storm sewers and discharged to a watercourse in accordance with all applicable state and federal laws and regulations.

4.3 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 WPCF. These general prohibitions apply to all such users of a WPCF whether or not the user is subject to National Categorical Pretreatment Standards or any other Federal or State Pretreatment Standards or requirements. A user shall not contribute the following substances to any WPCF:

4.3(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 WPCF or to the operation of the WPCF. At no time, shall two (2) successive readings on an explosion hazard meter, at the point of discharge into the sewage collection system (or at any point in the system) be more than five (5) percent nor any single reading over ten (10) percent of the Lower Explosive Limit (LEL) of the meter.

4.3(b) Solids or viscous substances which may cause obstruction to the flow in a sewer or other interference with the operation of the WPCF, including substances such as, but not limited to, grease, garbage with particles greater than one-half (1/2) inch in any dimension, animal guts or tissues, paunch, manure, bones, hair, hides or fleshing, entrails, whole blood, feathers, ashes, cinders, sand, spent lime, stone or marble dust, metal, glass, straw, shavings, grass, clippings, rags, spent grains, spent hops, waste paper, wood, plastics, gas, tar, asphalt residues from refining or processing of fuel or lubricating oil, mud or glass grinding or polishing wastes.

- 4.4(a) Sewage having a temperature higher than 150 ° F (65° C).
- 4.4(b) Sewage containing fat, wax, grease, petroleum, or mineral oil, whether emulsified or not, in excess of one hundred (100) mg/l with floatable oil not to exceed twenty (20) mg/l or containing substances which may solidify or become viscous at temperature between thirty-two (32°) and one hundred-fifty (150 °) degrees F (0° and 65°C).
- 4.4(c) Any garbage that has not been properly shredded (see Section 2.34). Garbage grinders may be connected to sanitary sewers from homes, hotels, institutions, restaurants, hospitals, catering establishments or similar places where garbage originated from the preparation of food in kitchens for the purpose of consumption on the premises or when served by caterers.
- 4.4(d) Any sewage containing odor-producing substances exceeding limits which may be established by the Commissioner.
- 4.4(e) Any radioactive wastes or isotopes of such half-life or concentration as may exceed limits established by the Commissioner in compliance with all applicable state and federal regulations.
- 4.4(f) Materials which exert or cause:
- 4.4(f)-1 Unusual concentrations of inert suspended solids (such as, but not limited to, sodium chloride and sodium sulfate).
- 4.4(f)-2 Excessive discoloration (such as, but not limited to, dye wastes and vegetable tanning solutions).
- 4.4(f)-3 Unusual or high levels of BOD, nitrogen compounds, chemical oxygen demand, or chlorine demand in such quantities as to constitute a significant load on the WPCF.
- 4.4(f)-4 Unusual volume of flow or concentrations of wastes constituting a "slug" as defined in Section 2.43.
- 4.4(g) Overflow from holding tanks or other receptacles storing organic wastes.

- 4.5 In accordance with Section 22a-430 of the Connecticut General Statutes as amended, a permit from the Commissioner of Environmental Protection is required prior to the initiation of discharge of any of the following wastewaters to a public sewer:
- (a) Industrial wastewater of any quantity.
 - (b) Domestic sewage in excess of 50,000 gallons per day through any individual building sewer to a public sewer. A potential discharger must first register the discharge under the general permit for domestic sewage, issued by the Commissioner on June 11, 1992 pursuant to Section 22a-430b of the Connecticut General Statutes.
- 4.6 If any sewage is discharged or is proposed to be discharged to the public sewers which contains the substances or possesses the characteristics enumerated in Section 4.4 of this Regulation and which in the judgment of the Commissioner may have a deleterious effect upon the wastewater facilities, processes, equipment, or receiving waters, or which otherwise may create a hazard to life or constitute a public nuisance, the Commissioner may in accordance with Section 22a-430 of the Connecticut General Statutes as amended:
- a) reject the discharge of wastes.
 - b) require pretreatment to an acceptable condition for discharge to the public sewers.
 - c) require control over the quantities and rates of discharge. If the Commissioner permits the pretreatment or equalization of waste flows, the design and installation of the equipment shall be subject to the review and approval of the Commissioner subject to the requirements of all applicable codes, regulations and laws.
- 4.7 The Director shall have the right to reject the discharge of any wastes; or, require more stringent effluent limitations than required by the user's Section 22a-430 permit, the decisions of the Commissioner notwithstanding.
- 4.8 Grease, oil and gross particle separators shall be provided when, in the opinion of the Commissioner they are necessary for the proper handling of sewage containing floatable grease in excessive amounts, as specified in Section 4.4(b), or any flammable wastes, sand, or other harmful substances: except that such separators shall not be required for private living quarters or dwelling units. All commercial separators shall be of a type and capacity approved by the Commissioner, and shall be located outside as to be readily and easily accessible for cleaning and inspection. In the maintaining of these separators, the owner(s) shall be responsible for the proper removal and disposal by appropriate means of the captured material and shall maintain records of the dates, and means of disposal which are subject to review by the Commissioner. Any removal and hauling of the collected materials shall be performed by a waste disposal firm which possesses a valid permit from the Commissioner under Section 22a-429 of the Connecticut General Statutes, as amended.

4.16 Each user shall provide protection from accidental discharge of prohibited materials or other substances regulated by this Regulation. Facilities to prevent accidental discharge of prohibited materials shall be provided and maintained at the owner or user's own cost and expense. The Commissioner may require that plans showing facilities and operating procedures be submitted for review and approval prior to construction of the facilities.

4.16(a) Within five (5) days following an accidental discharge, the user shall submit to the Director and the Commissioner, a detailed written report describing the cause of the discharge and the measures to be taken by the user to prevent similar future occurrences. Such 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 WPCF, fish kills, aquatic plants, or any other damage to persons or property; nor shall such notification relieve the user of any fines, civil penalties, or other liability which may be imposed by this Regulation or other applicable law.

4.16(b) A notice shall be permanently posted on the user's bulletin board or other prominent place advising employees whom to call in the event of a dangerous discharge. Employers shall insure that all employees are advised of the emergency notification procedure.

5.0 BUILDING SEWERS AND CONNECTIONS

5.1 Only Town personnel or their designated agent(s) shall uncover, make any connection with or opening into, use, alter, repair, or disturb any public sewer or appurtenance thereof.

5.2 Any person proposing a new discharge into the public sewer system or a substantial change in the volume or character of pollutants that are being discharged into the public sewer system shall notify the Director at least forty-five (45) days prior to the proposed change or correction.

5.2(a) A person intending to connect a building drain from his property to the public sewer shall first obtain a permit to connect from the Director. The application shall be made on forms provided by the Director, and it shall be accompanied by a sketch or plan showing the proposed installation in sufficient detail to enable the Director to determine that the proposed installation meets the requirements of this Regulation and other applicable specifications, codes, and laws. The application shall be signed by the owner of the premises to be served or his authorized agent and by the qualified contractor (see Section 5.13) who has been chosen to perform the work of installing and connecting the building drain to the public sewer. Upon approval of the application and plan, a permit shall be issued to have the work performed by the stated contractor. In the event the premise changes ownership before the work is completed, or if another contractor is chosen to perform or finish the work, the original permit becomes void, and a new permit must be obtained by the new parties in interest.

- 5.6 The abandonment of septic tanks, or other hollow leaching structures, shall be performed in such manner as to eliminate the danger of the structure inadvertently collapsing in the future. The property owner shall take steps to empty the tank of all septage wastes and then, either have the chamber filled with medium to course sand, or crush the tank and backfill the area with clean soil. This practice is in accordance with the Connecticut Public Health Code, Revised January 1, 1997.
- 5.7 Existing building sewers may be used in connection with new buildings only when they are found, on examination and test by the Director, to meet all requirements of this Regulation.
- 5.8 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 and connection of the building sewer to the public sewer shall all conform to the requirements of the building and plumbing code or other applicable rules and regulations of the Town of North Haven. In the absence of code provisions or in amplification thereof, the materials and procedures set forth in appropriate specifications of the ASTM and WPCF Manual of Practice No. 9 shall apply.
- 5.9 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 means approved by the Director and discharged to the building sewer. Duplex lift systems shall be provided in commercial and industrial buildings.
- 5.10 No person(s) shall make connection of roof downspouts, foundation drains, areaway drains, or other sources of surface runoff or groundwater to a building sewer or building drain which in turn is connected directly or indirectly to a public sewer.
- 5.11 All excavations for building sewer installation shall be adequately guarded with barricade and lights so as to protect the public from hazard. 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 North Haven.
- 5.12 No building sewer shall be constructed within 25 feet of a water supply well. If a building sewer is constructed within 25-75 feet of a water supply well it shall be constructed in accordance with all applicable guidelines promulgated by the Commissioner.
- 5.13 All building sewers shall be installed by a drain layer who possesses a valid license issued under Chapter 393 of the Connecticut General Statutes as amended.

Note, a homeowner of a single family residence, who resides in that home or a home being constructed for that person to reside in, may do their own installation of the sewer without the services of a licensed drain layer provided:

1.) the homeowner(s) shall sign an affidavit indicating that all work including excavation and pipe installation will be performed by the homeowner or family member(s) residing in the house and shall indemnify and hold harmless the Town of North Haven from all damages and claims arising from the installation of the building sewer.

2.) the homeowner provides proof of insurance.

3.) a permit is taken out in accordance with Sections 13.2, 13.3, 13.4, 13.5 and 13.6.

4.) the building sewer installation is inspected in accordance with Sections 5.19 (h), 7.1 and 7.2; and in accordance with these Rules and Regulations.

5.14 Trench Excavations

5.14(a) Work on building sewers shall in every case proceed from the sewer toward the structure involved. Any variation in this procedure shall require written permission of the engineer.

At a point twenty-four (24) inches below finished grade, a utility warning tape shall be placed along the entire length of the pipe. Warning tape shall be of poly plastic six (6) inches wide and of suitable color assigned to the type of facility for surface markings in section 16-345-5(h) of the State of Connecticut General Statutes. Tape shall be durably imprinted with the appropriate warning or message. Tape installation and use shall be in accordance with Section 16-345 of the State of Connecticut General Statutes and all other State regulations.

5.14(b) Trenching shall proceed in accordance with the latest "Manual on Safety in Construction" as published by the Associated General Contractors. The trench shall be of ample width at the bottom to accommodate the pipe to be placed and any work on the structure that conditions necessitate. Tunneling under existing structures may be permitted when approved in writing by the engineer; but in no case shall any tunnel exceed ten (10) feet in length.

Trenchless construction may be allowed for the installation of pressure pipe systems when approved in writing by the Town Engineer.

5.14(c) When sheeting is necessary to insure proper installation and the safety of personnel, the public, or property, the contractor shall furnish and place such sheeting under the direction of a private engineer. Said installation shall be placed in accordance with current best engineering practices and must comply with OSHA requirements.

5.15(b) The minimum inside diameter of pipe shall be four (4) inches for a single family dwelling, and six (6) inches for commercial buildings and buildings including three (3) or more separate dwellings. Pipe having an inside diameter of less than six (6) inches shall be laid on a grade of not less than one-fourth (1/4) inch per foot and pipe having an inside diameter of six (6) inches or more shall be laid on a grade of not less than one-eighth (1/8) inch per foot. However, in cases of pipe installation less than one-eighth (1/8) inch per foot, calculations indicating estimated pipe flows, capacity and respective velocities must be submitted to the Town Engineer for written approval. The maximum length of any segment of PVC pipe shall be twenty (20) feet. The maximum length of any segment of cast ductile iron pipe shall be eighteen (18) feet.

5.15(c) For apartment and condominium complex buildings of more than four (4) dwelling units, commercial or industrial buildings, the owner shall submit to the Director, for his approval, plans of the proposed building sewer installation.

5.15(d) Composition, concrete and asbestos-cement pipe shall not be used.

5.15(e) When in the opinion of the engineer, extraordinary conditions exist, or when a building sewer is to be installed under any structure, at a stream crossing, or in fill ground, the owner shall submit plans for the approval of the engineer. Suitable provisions for encasement in concrete, concrete cradles, piling or other acceptable construction features shall be made.

5.15(f) Whenever possible, water service and building sewer pipes shall be laid in separate trenches. Where laid in the same trench, the water pipe shall be laid on a trench shelf of virgin material, not filled or previously disturbed soils, at least twelve (12) inches above the top of the building sewer pipe and at least twelve (12) inches, and preferably eighteen (18) inches, from the side of the building sewer trench shelf.

5.16 Pipe Laying

5.16(a) Depth: Building sewers shall be installed three and one-half (3 1/2) to four (4) feet deep to prevent freezing and traffic damage. Exceptions to this must be approved by the engineer.

5.16(b) Each building sewer shall be first connected to the sewer and may then be extended to proceed toward the structure to be served. Pipe laying shall proceed in accordance with the best-accepted practices true to line and grade. Groupings of buildings on one building sewer are not permitted except by written permission of the Director and only when based upon sound sanitary practice.

The minimum size for each cleanout shall be four (4) inches. Caps must be solid PVC with push-on gasket or threaded (water tight) fittings. Caps in drive-ways or paved surface must be cast iron type with approved detail for H-20 loading. Cleanouts must be placed a minimum of six (6) inches below grade.

5.16(i) Sealing Discontinued Building Connectors and Drains.

When any building or other structure previously served by a connection to any public sewer is demolished, destroyed, abandoned or altered so that any sewer, building connector, or portion of an abandoned plumbing system which is directly or indirectly connected to any public sewer, is no longer used and is no longer connected to the buildings or structure, the open end of such sewer or building connector which discharges directly or indirectly into a public sewer shall be promptly closed and sealed off in compliance with these Rules and Regulations so that no water or wastes not otherwise permitted to enter the public sewer shall be so discharged thereinto. In the case where building connectors are discontinued, the building connector shall be capped at the original termination point of the building connector lateral or other suitable location deemed appropriate by the Town's inspector. The WPCA shall be notified of such abandonment or discontinuance and of the closing and sealing of such drain and afforded an opportunity to see such work performed. All of said work shall be the responsibility of the person or party who demolishes the building or structure so as to make such closing and sealing necessary, and, in the event of the failure of such person or party to do so, shall be done by the owner, lessee or tenant of the premises to the satisfaction of the WPCA, all without expense to the Town. A permit to disconnect or abandon a sewer connection must be obtained from the office of the Director of Public Works.

5.17 Backfill

- 5.17(a) Backfilling of trenches shall be done in accordance with all street and excavation regulations of the Town of North Haven as supplemented herein (Section 13.3).
- 5.17(b) Under no circumstances shall backfill be permitted around and over the building sewer pipe until the pipe, joints, alignment, elevations and workmanship have been inspected and approved by the inspector.
- 5.17(c) Each installed building sewer shall be covered with hand placed sand or gravel approved by the inspector, to a depth of at least one (1) foot over the pipe and be adequately compacted by hand or hand operated equipment prior to backfilling of the remainder of the trench.
- 5.17(d) All sewer lateral or lateral extensions from the main line to the street line shall be placed on a crushed stone bedding and backfilled with crushed stone to a height of one (1) foot above the pipe prior to backfilling the remainder of the trench. Crushed stone shall also extend to one (1) foot horizontally each side of the pipe and shall be a maximum of three-quarters (3/4) inch in size.

5.19(g) All work performed under the provisions of these Rules and Regulations shall be subject to the inspection and approval of the inspector. The contractor shall provide safe access for such inspection.

5.19(h) The contractor shall pay all costs to repair any and all damage to curbs, sidewalks, roads or property of the Town of North Haven caused in any way by the contractor, his agents, servants, and/or employees. All repairs to damage shall be done to the complete satisfaction of the Town of North Haven.

5.20 Administrative Procedure for Lateral Location/Extension: the Town and/or its agent excavate, locate and/or extend a sanitary lateral which is not shown accurately on the as-built drawings only under the following conditions:

5.20(a) The permittee must excavate at no cost to the Town and verify via inspection by Town forces that the lateral is not in the location indicated on the as-built drawings.

5.20(b) The permittee must submit a written request to the Director of Public Works for Town assistance in excavating, locating, extending and/or marking of sanitary laterals.

5.20(c) The permittee must furnish a signed license form allowing access to the affected private property. Said form is available in the office of the Town Engineer.

5.20(d) Laterals will be extended to limits as shown on the as-built drawing unless actual field conditions warrant otherwise.

5.20(e) The permittee shall reimburse the Town for the cost of excavating, locating, extending, marking, restoration and all other appurtenant work if the lateral is found to be within the following:

- 1.) Two (2) feet or less (vertical) from the depth indicated on the as-built drawings;
- 2.) Five (5) feet or less (horizontal) from the length of at least two (2) ties as indicated on the as-built drawings.

5.20(f) The Town will not reimburse permittees for laterals, which are already uncovered by the permittee and found to be inaccurately located on the as-built drawings.

5.20(g) The Town will not reimburse permittees for initial exploratory work. The criteria used to determine accuracy are indicated in Item "e" No. 1.) and 2.) above.

5.21 After an owner connects to the Town sanitary sewer, the service lateral from the house to the wye, including the wye fitting, at the main line then becomes part of the entire house connection and is the responsibility of the homeowner.

5.22 Any repair which has been caused by the intrusion of roots from a tree(s) on private property into the service/sanitary sewer line shall be the responsibility of the individual who owns the property where the tree is located.

3. The property owner shall pay a connection fee as established by the WPCA in Section 9.4
4. The property owner shall pay all costs associated with said connection.
5. All work shall be completed in accordance with the Rules and Regulations of the WPCA.

6.0 PROTECTION FROM DAMAGE

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 collection system or water pollution control facility.

7.0 POWER AND AUTHORITY OF INSPECTORS

- 7.1 The Director and other duly authorized employees of the Town of North Haven 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 this Regulation.
- 7.2 While performing the necessary work in private properties referred to in Section 7.1 above, the Director or duly authorized employees of the Town of North Haven shall observe all safety rules applicable to the premises established by the user. The user shall be held harmless for injury or death to the Town of North Haven employees and the Town of North Haven shall indemnify the user against loss or damage to its property by the Town of North Haven employees and against liability claims and demands for personal injury or property damage asserted against the user and growing out of the gauging and sampling operation, except as such may be caused by negligence or failure of the user to maintain safe conditions as required in Section 4.10.
- 7.3 The Director and other duly authorized employees of the Town of North Haven bearing proper credentials and identification shall be permitted to enter all private properties through which the Town of North Haven holds a duly negotiated easement for the purposes of 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.

8.0 INSTALLATION OF SANITARY SEWERS IN SUBDIVISIONS

These Rules and Regulations are intended to insure the proper installation, operation and maintenance of public sewers, pumping stations and sewage treatment facility in subdivisions.

These Rules and Regulations shall not be construed to supersede or nullify the provisions of any other rule or regulation applicable to the public sewer system of the Town of North Haven, except insofar as the following Rules and Regulations may be in direct conflict with such other rule or regulation, in which case the following Rules and Regulations shall govern.

- 8.2(g) The contractor shall employ a private Connecticut Licensed Land Surveyor and/or Professional Engineer to establish all lines and grade for construction of the sewers, subject to verification, at any time, and from time to time, by the surveyor and or the engineer.
- 8.2(h) No opening into any existing portion of the public sewer system of the Town shall be made except in the presence of the engineer and shall be subject to the inspection and approval of the engineer, and the engineer shall be afforded safe access for inspection purposes. All work shall be scheduled for a normal workday, and arrangements shall be made in advance with the engineer when work is to be done outside the normal workday.
- 8.2(i) The developer shall provide the Town of North Haven with a videotape of the sanitary sewers as installed. The Town shall not issue the final approval for the subdivision until the aforementioned videotape documenting acceptable conditions has been filed with the Director of Public Works.

In situations where the videotape or field inspection reveal possible conditions of pipe deflection or cross sectional deformation, the Developer shall provide testing supervised by a Licensed Professional Engineer utilizing a deflectometer, calibrated television or photography equipment or a properly sized "go, no-go" mandrel or sewer ball. Said testing shall be in conformance with the Uni-Bell PVC Pipe Association's latest publication. Results of the test shall be submitted by the Licensed Professional Engineer and shall verify compliance with the pipe manufacturers specifications and/or standards as listed in the aforementioned Uni-Bell publication.

- 8.2(j) If the sewers are not constructed and installed to the satisfaction of the engineer in accordance with the specifications, details, drawings and proposal approved by the WPCA and the Commissioner, the Town may plug or disconnect the sewers at the point of their connection to the existing public sewer system of the Town and may continue such stoppage or disconnection until the sewer shall have been so constructed and installed in accordance with the approval of the WPCA and the Commissioner.
- 8.2(k) When 1.) the sewers, as constructed and installed, have been approved in writing by the engineer, and 2.) as-built plans, drawn to the scale specified in paragraph 8.2(a) of these Rules and Regulations, in reproducible form, each bearing the seal of a Licensed Professional Engineer, and showing complete details of the sewers and their appurtenances, have been presented to the engineer, the sewers shall be accepted by the WPCA as part of the public sewer system of the Town.
- 8.2(l) Notwithstanding any acceptances of the sewers aforesaid, the developer shall continue to be responsible for the satisfactory operation and maintenance of the sewers until other related construction has been completed and all of the streets within the subdivision have been accepted by the Town.
- 8.3 Each building sewer in a subdivision shall be deemed a building sewer that connect to the public sewer system of the Town when constructed in accordance with these regulations.

- 9.3 Then the developer shall pay to the Town of North Haven a connection charge for each such lot.
- 9.4 Such connection charge shall be at the rate of *\$2,000.00 for each such lot and shall be paid upon completion and acceptance of the sanitary sewer by the WPCA.
- 9.5 This connection charge shall in no way apply to those lots which front on or have a private right of way to the public street which pre-existed the subdivision. Such lots shall be assessed in the same manner as any other residential property unless a waiver from the Future Benefit Assessment Agreement has been granted by the WPCA in accordance with Section 5.23 (g).

10.0 PENALTIES

- 10.1 Any person found to be in violation of any provisions of this Regulation except Section 6.0, shall be served by the Town of North Haven 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 the time stated in such notice, permanently cease all violations.
- 10.2 Any person who continues any violation beyond the time limit provided for in Section 10.1, shall be guilty of a misdemeanor, and on conviction thereof shall be fined in the amount not exceeding one hundred (\$100.00) dollars for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.
- 10.3 Any person who is found to be in violation of any of the provisions of this Regulation shall become liable to the Town of North Haven for any expense, loss or damage occasioned the Town of North Haven by reason of such violation.
- 10.4 Any person who is found to be in violation of Section 22a-430 of the Connecticut General Statutes as amended shall be subject to a monetary penalty or forfeiture under Section 22a-438 of the Statutes.

11.0 VALIDITY

- 11.1 All regulations or parts of regulations in conflict herewith are hereby repealed.
- 11.2 The invalidity of any section, clause, sentence, or provision of this Regulation shall not affect the validity of any other part of this Regulation which can be given effect without such invalid part of parts.

12.0 HEARING BOARD

- 12.1 The Town of North Haven WPCA shall act as the Hearing Board as needed for arbitration between the Director and sewer users on matters concerning interpretation and execution of the provisions of these Regulations by the Director. The cost of the arbitration will be divided equally between the Town of North Haven and the sewer user.

*Amended 4/23/12

13.8 **Performance Bond.** The contractor shall provide the WPCA with a performance bond for the faithful performance of the work contemplated. This shall be issued by an approved surety company licensed in the State of Connecticut. It shall be for the minimum amount of \$20,000 and may vary upwards on larger projects in an amount as required by the Town Engineer.

This bond shall be in force for a minimum period of one (1) year and shall not be canceled by the surety until a full release is executed by the Town of North Haven. The performance bond shall cover any building sewer project undertaken by the contractor until the expiration of the maintenance period for that project. The maintenance period shall be for one (1) year from completion of the connection to the sewer.

14.0 **INTERPRETATION**

14.1 In the event of any questions as to the interpretations of any of the provisions of the preceding Rules and Regulations, the decision of the WPCA or its agent shall be final.

15.0 **REGULATION IN FORCE**

15.1 This Regulation shall be in full force and effect from and after its passage, approval, recording and publication as provided by law.

15.2 Passed and adopted by WPCA of the Town of North Haven, State of

Connecticut on the 25th day of September 2000, by the following vote:

Ayes:

Namely,

Richard A. Wefner, Ben M. M...

William J. ...
Levi Provelli

Nays:

Namely, _____

Approved this 23rd day of October, 2000

Kevin J. Kopetz
Signed: Kevin Kopetz, First Selectman

Elinor Pedalino
Attest: Elinor Pedalino, Town Clerk

3. METHOD

(a) The Total Costs to be recovered with respect to each Sewer District, less the costs incidental to the design and construction of the individual sub-street service connections to the lateral sewers, will be divided into four (4) parts as follows:

Costs to be recovered on the basis of permitted land use (hereinafter Total Land Use Charges).....	40%
Costs to be recovered on the basis of front footage (hereinafter Total Front Footage Charges)..	20%
Costs to be recovered on the basis of land area (hereinafter Total Land Area Charges).....	20%
Costs to be recovered on the basis of assessed valuation of land (hereinafter Total Assessed Valuation Charges).....	20%
TOTAL	100%

- (b) The Total Land Use Charges for such Sewer District will be divided by the Total number of Lot Charges (determined as hereinafter provided) to be recovered from such Sewer District; the quotient being the benefit assessment per Lot Charge for such Sewer District.
- (c) The Total Front Footage Charges for such Sewer District will be divided by the Total Assessable Front Footage (determined as hereinafter provided) of lands situated within such Sewer District; the quotient being the benefit assessment per Assessable Front Foot for such Sewer District.
- (d) The Total Land Area Charges for such Sewer District will be divided by the Total Assessable Square Footage (determined as hereinafter provided) of lands situated within such Sewer District; the quotient being the benefit assessment per Assessable Square Foot for such Sewer District.
- (e) The Total Assessed Valuation Charges for such Sewer District will be divided by the Total Assessed Valuation (determined as hereinafter provided) of lands situated within such Sewer District; the quotient being the benefit assessment per dollar of Assessed Valuation for such Sewer District.

4. **LOT CHARGES**

Subject to reasonable allowances by the WPCA for particular situations, the number of Lot Charges to be recovered from each piece or parcel of land will be determined as follows:

- (a) **Residence Districts:** a minimum of one (1) Lot Charge will be recovered from each piece or parcel of land situated within any Residence District under the Zoning Ordinance of the Town of North Haven. Where such piece or parcel of land may be divided into two (2) or more usable residential lots in conformity with said Zoning Ordinance and without altering or moving an existing residential building situated on such piece or parcel of land, the number of Lot Charges to be recovered from such piece or parcel of land will be the number of usable residential lots into which such piece or parcel of land may be so divided.
- (b) **Office Districts:** a minimum of two (2) Lot Charges will be recovered from each piece or parcel of land situated within any Office District under the Zoning Ordinance of the Town of North Haven. Where such piece or parcel of land may be divided into two (2) or more usable office building lots in conformity with said Zoning Ordinance, the number of Lot Charges to be recovered from such piece or parcel of land will be twice the number of usable office building lots into which such piece or parcel of land may be so divided.
- (c) **Limited Commercial Districts and Commercial Districts:** a minimum of two (2) Lot Charges will be recovered from each piece or parcel of land situated within any Limited Commercial District or Commercial District under the Zoning Ordinance of the Town of North Haven. Where such piece or parcel of land may be divided into two (2) or more usable commercial building lots in conformity with said Zoning Ordinance, the number of Lot Charges to be recovered from such piece or parcel of land will be twice the number of usable commercial building lots into which such piece or parcel of land may be so divided.
- (d) **Apartment Districts, Hotels, Motels, Apartment Hotels:** with respect to each piece or parcel of land situated within any Apartment District under the Zoning Ordinance of the Town of North Haven, one-half (1/2) of a Lot Charge will be recovered for each dwelling unit permitted to be erected on such piece or parcel of land in conformity with said Zoning Ordinance. Any hotel, condominium, motel, or apartment-hotel which exists or is permitted use under the Zoning Ordinance of the Town of North Haven shall also be assessed one-half (1/2) of a Lot Charge for each dwelling unit erected and/or permitted to be erected on such piece or parcel of land.

- (d) **Corner Parcels:** The Assessable Front Footage of a piece or parcel of land which abuts street lines on two (2) or more contiguous bounds and is not deemed to have two (2) front lines under subsection 5 (c) above for purposes of determining Assessable Front Footage will be the length of the shortest abutting street line (adjusted in accordance with section 5 (a) above, when the conditions described therein are met if it is assumed that the shortest abutting street line is the front line of such piece or parcel of land) plus the number of feet, if any by which the longest abutting street line exceeds 200 feet. When two (2) abutting continuous street lines are connected by a short-radius curve, one-half (1/2) of the arc length of that curve will be deemed a part of the length of each of the contiguous street lines.

6. **ASSESSABLE SQUARE FOOTAGE**

Subject to reasonable allowances by the WPCA for particular situation, the assessable square footage of each piece or parcel of land will be determined as follows:

- (a) **Residence Districts:** The Assessable Square Footage of each piece or parcel of land situated within any Residence District under the Zoning Ordinance of the Town of North Haven will be the area of that portion of the piece or parcel of land lying between its front line and a line drawn parallel to the front line and 200 feet distant, perpendicularly, from it.
- (b) **Office Districts, Apartment Districts, Hotels, Motels and Apartment Hotels:** The Assessable Square Footage of each piece or parcel of land situated within any Office District, Apartment District, or wherever any condominium, apartment hotel, motel or hotel which exists or is a permitted use under the Zoning Ordinance of the Town of North Haven at the time of the assessment shall be the total area of a piece or parcel of land.
- (c) **Limited Commercial Districts, Commercial Districts and Industrial Districts:** the Assessable Square Footage of each piece or parcel of land situated within any limited Commercial District, any Commercial District or any Industrial District under the Zoning Ordinance of the Town of North Haven will be the area of that portion of the piece or parcel of land lying between its front line and a line drawn parallel to the front line and 400 feet distant, perpendicularly, from it.

The WPCA may divide the total territory to be benefited by a sewerage system into districts and may levy assessments against the property benefited in each district separately. In assessing benefits against property in any district the WPCA may add to the cost of the part of the sewerage system located in the district, a proportionate share of the cost of any part of the sewerage system located outside the district but deemed by the WPCA to be necessary or desirable for the operation of a part of the system within the district. The WPCA shall place a caveat on the land records in each instance where assessment of benefits to anticipated development has been deferred.

PART II

SUPPLEMENTAL ASSESSMENTS

I. LANDS, BUILDINGS AND OWNERS SUBJECT TO SUPPLEMENTAL ASSESSMENTS

Each piece or parcel of land, all buildings situated thereon and the owner or owners thereof, shall be subject to a supplemental assessment if:

- a.)
 - 1.) No benefit assessment has previously been levied on such piece or parcel of land pursuant to these Benefit Assessment Regulations of the Town of North Haven, or such assessment has been deferred pursuant to said Benefit Assessment Regulations or any statute or ordinance made and provided, —
- and,
- 2.) A building permit has been obtained for a building or buildings situated on such piece or parcel of land.
- b.)
 - 1.) A benefit assessment has previously been levied on such piece or parcel of land; the buildings then situated thereon and the then owner or owners thereof, pursuant to these Benefit Assessment Regulations of the Town of North Haven, and
 - 2.) At the time of such levy such piece or parcel of land was situated within a Residence District under the Zoning Ordinance of the Town of North Haven, and
 - 3.) The owner or owners of such piece or parcel of land has or have subdivided such piece or parcel of land into a greater number of usable residential lots than the number of Lot Charges which were recoverable from such piece or parcel of land, the buildings then situated thereon and the then owner or owners thereof, in connection with such previous levy; or

2. AMOUNT OF SAID ASSESSMENTS

Subject to reasonable allowances by the WPCA for particular situations, the supplemental assessments to be levied will be:

- a.) If the piece or parcel of land, the buildings situated thereon and the owner or owners thereof, are subject to an assessment pursuant to subsection 1 (a) above, an amount equal to the sum of:
 - 1.) The product of a number of Lot Charges for such piece or parcel of land, determined in accordance with subsection 4 of the "Benefit Assessment Regulations of the Town of North Haven" multiplied by the amount of the benefit assessment per Lot Charge which was obtained when benefit assessments were previously levied on the lands and buildings, and the owners thereof, subject thereto in the Sewer District within which such piece or parcel of land is situated, plus
 - 2.) The product of the Assessable Front Footage of such piece or parcel of land, determined in accordance with subsection 5 of the Benefit Assessment Regulations, multiplied by the amount of the benefit assessment per Assessable Front Foot which was obtained when such benefit assessments were so previously levied, plus
 - 3.) The product of the Assessable Square Footage of such piece or parcel of land, determined in accordance with subsection 6 of said Regulations, multiplied by the amount of the benefit assessment per Assessable Square Foot which was obtained when such benefit assessments were so previously levied, plus
 - 4.) The product of the Assessed Valuation of such piece or parcel of land, determined in accordance with subsection 7 of the Benefit Assessment Regulations as of the time when such benefit assessments were so previously levied, multiplied by the amount of the benefit assessment per dollar of Assessed Valuation which was obtained when such benefit assessments were so previously levied.

SECTION III

SEWER USE CHARGE REGULATIONS FOR THE TOWN OF NORTH HAVEN

Section 1 **Purpose.** The purpose of this regulation is to establish fair and effective charges for the use of the North Haven sewer system so that the maintenance and operation of the said sewer system shall be self-supporting. Maintenance and operation shall include all administrative costs incurred in administrating the use charge.

Section 2 **A.** Each one (1) family dwelling shall be charged a single unit charge. Said charge shall be fixed by the WPCA on an annual basis, at the regular meeting of the WPCA in September of each and every year. The first such rate shall be fixed by the WPCA in January of 1976, but such rate at that meeting shall be only for the six (6) month period from March 1 through August 31. Thereafter, all rates should be on an annual basis.

B. Each two (2) family dwelling shall be charged a double unit charge.

C. Each multiple family dwelling and all non-residential buildings or uses shall be charged a sewer use charge based upon water consumption, said charge shall be computed as follows:

$$\text{BSUC} = \frac{\text{BWC (OMC'S)}}{\text{ABWC}}$$

BSUC = building's sewer use charge for the year.

BWC = building's water consumption for the year.

ABWC = total water consumption for all buildings connected to the sewer for the year.

OMC = operation and maintenance costs for the year.

Such charge shall be computed at the same time and for the same periods as set forth in Section 2A hereof.

I. In any instance in which the WPCA determines that biochemical oxygen (BOD), suspended solids or other pollutant concentrations from a building exceed the range of concentration of these pollutants in normal domestic sewage, the WPCA shall increase the building's sewer use charge by a surcharge computed in accordance with the formula :

$$CU = [(Bb(B)+Sb(S)+Pb (P))] 8.34 Vb \text{ where}$$

CU = the building's surcharge for the year

Bb = the building's excess concentration of BOD

B = operation and maintenance cost for the treatment of a unit of BOD

Sb = the building's excess concentration of suspended solids

S = operation and maintenance cost for treatment of a unit of suspended solids

Pb = the building's excess concentration of any pollutant

P = operation and maintenance cost for treatment of a unit of any pollutant, and

Vb = the building's volume of discharge for the year.

For purposes of this section, normal domestic sewage shall be deemed to have the following base concentrations:

- | | |
|---------------------|-----------|
| 1. Suspended solids | 350 mg/l. |
| 2. BOD | 300 mg/l. |

* J. In no case shall the sewer use charge for any multiple dwelling or non-residential use be less than the annual charge for a single family residential unit.

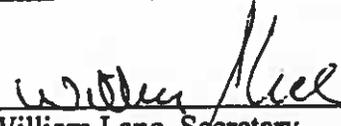
*Amended: October 1, 2009

Section 9 Definitions.

- (a) **Sewer Use Charge.** The amount of money paid by owners of real property using the sewer system of North Haven.
- (b) **Dwelling.** A building or part of a building which contains living, sleeping and housekeeping accommodations for permanent occupancy by one or more families.
- (c) **Dwelling One Family.** A detached building designated for, or occupied solely as a dwelling by, one (1) family.
- (d) **Dwelling Two Family.** A detached building designated for, or occupied solely as a dwelling, by two (2) families living independently of each other.
- (e) **Non-residential Building.** Any building not used solely for the housing of persons and used for the purpose of providing income to the owner or tenant.
- (f) **Family.** A single person keeping house separately or any number of individuals related by blood, marriage or adoption, living together as a single housekeeping unit, provided that a group of not more than seven (7) persons, keeping house together but not necessarily related by blood or marriage, may be considered a family.

Section 10 This regulation may be amended by the WPCA as it deems necessary subject to the Charter of the Town of North Haven and the Statutes of the State of Connecticut.

Adopted this 25th day of September 2000.



William Lane, Secretary
Water Pollution Control Authority

Property: _____

AFFIDAVIT

**BETWEEN PROPERTY OWNER AND TOWN OF NORTH HAVEN
FOR OWNER TO CONNECT HIS/HER/THEIR RESIDENTIAL PROPERTY
TO SANITARY SEWER SYSTEM**

WHEREAS, the undersigned is/are the owner(s) of certain real property located in the Town of North Haven; and

WHEREAS, the undersigned wish to connect said residential dwelling located on said property to the Town of North Haven Sewer System; and

WHEREAS, the undersigned wish to make said connection without the services of a licensed plumbing contractor;

NOW, THEREFORE, in consideration of the issuance of a sewer connection permit to me/us by the Water Pollution Control Authority (WPCA) of the Town of North Haven, I/we agree that **all required work to install said sewer connection including excavation and laying of pipe will be performed by myself/ourselves**. All work will be done in accordance with the Rules and Regulations of the WPCA and all other applicable federal, state and local regulations. I/we shall indemnify and hold harmless the Town of North Haven from all damages and claims arising from the installation of said sewer connection and from all damages and claims for injury to any public sewer, to any highway or the surface thereof, public or private, or to any person or property arising from my/our unlawful or negligent acts or omissions.

Property: _____

Individual Making Connection to Sanitary Sewer: _____

Owner: _____ Owner: _____

Witness: _____ Witness: _____

Dated: _____ Notarized By: _____

Reference: Rules & Regulations 5.13

SECTION IV

RULES AND REGULATIONS CONCERNING SEWER SERVICE BASED ON USAGE

1. **Definitions** - Wherever they are used in this Regulation, the meaning of the following terms shall be defined in this section.
 - a. **System** shall mean the Sewerage System of the Town of North Haven including all treatment and disposal facilities and interceptor sewers owned and operated by the Town and all sewerage collection systems and other appurtenances connected thereto.
 - b. **Water Loss** shall mean that portion of the metered water supply to premises connected to the system which does not enter the system as liquid waste.
 - c. **Sewer Service Charges Based on Usage** shall mean a recognition by the Town that a water loss, as herein defined, occurs in a premises connected to the system or in a separate billing account within a premises connected to the system and therefore the charges for sewerage service to said premises or separate billing account may, if determined to be eligible in accordance with the provisions of this Regulation, be based on other than the total metered water supply to said premises, and may if fact be based on the usage of the system.
 - d. **Water Billed as Sewage** shall mean the metered water supply to premises.
2. **Sewer Service Charge Based on Usage Allowed** A premises connected to the system may be charged for sewerage services on the basis of actual usage of the system rather than on the total metered water supply to the premises, provided such premises are determined to be eligible to be so charged in accordance with the provisions of this Regulation.
3. **Application for Sewer Service Charge Based on Usage** - An application for a sewer service charge based on usage may be made by the owner of premises connected to the system and shall be in such form and shall contain such information as shall be required by the Town in order to permit the determination herein required to be made. In order to defray the expense of investigating and determining eligibility for a sewer service charge based on usage, a non-refundable application fee of \$50.00 shall be required with each application.

- b. In the instance where a separate water meter measures the water supply at that point within a premises where it is intended to measure the amount of water discharged to the System rather than the amount of water loss, the sewer service charge shall be based on the reading of the separate water meter.
9. **Annual Fee** - In addition to the sewer service charges, an annual fee of \$25.00 shall be charged to all premises which have been granted a sewer service charge based on usage and shall constitute an annual service charge to cover the extraordinary, investigative, monitoring, meter reading, and billing expenses incurred by the Town as a result of granting same.
10. **Adjustment of Sewer Service Charge Based on Usage on Separate Water Meters** - Where separate water meters are used to show the amount of water loss for a sewer service charge based on usage the Town shall determine if any portion of said water loss returns to the System in the form of "boiler blowdown", "condensate", "infiltration", or in any other form, and shall adjust the amount of the sewer service charge based on usage to reflect such.
11. **Costs to be Borne by Applicant** - All costs incident to the installation of the measuring system for a sewer service charge based on usage shall be borne by the applicant; such costs shall include all costs incident to the acquisition, installation, operation, maintenance, calibration and repair of an approved measuring system or device.
12. **Effective Date of Sewer Service Charge Based on Usage** - A sewer service charge based on usage, when granted, shall be effective from and after the first full billing period after the approved method of measurement is installed and functioning to the satisfaction of the Town.
13. **Termination of Sewer Service Charge Based on Usage** - The Town shall terminate a sewer service charge based on usage if it determines that the water loss is less than that shown by the approved method of measurement, or the actual volume of liquid waste entering the system is greater than that shown by the approved method of measurement; or if it determines that there has been a misuse or modification of the measuring system. If a sewer service charge based on usage has been terminated pursuant to this section a new application to establish such for the same premises will not be considered for a period of one year.

Adopted by WPCA 11/18/91

March 2, 1992

May 10, 1992

TOWN OF NORTH HAVEN
WATER POLLUTION CONTROL AUTHORITY

APPLICATION FOR SEWER SERVICE CHARGE BASED ON USAGE

The undersigned hereby submits this application to the Water Pollution Control Authority of the Town of North Haven to install a separate water meter for the purpose of establishing the metered water use (water loss) that does not enter the Town's sewerage system. Said water use may be subtracted from the total metered water use to establish a basis for the sewer user charge in accordance with the Sewer Use Charge Regulations.

I have accompanied this application with a non-refundable application fee of \$50.00 and a brief description of the proposed method of measurement including estimated separate water use, type and size of water meter and a sketch showing the proposed layout of piping and meter which shall be approved by the Town prior to installation. I understand that said approval does not constitute endorsement of the water meter to be used nor does the Town assume any liability for the installation and performance of said meter.

I have read and will comply with the Sewer Use Charge Regulations and understand that an "annual fee" of \$25.00 will be charged to all premises that have been granted a sewer service charge based on usage for each year or part of a year that the separate meter is used for this purpose. I also understand that I will be responsible for paying any and all charges associated with the installation, maintenance, repair, removal and/or calibration of the meter.

Signed: _____ Date: _____

Print Name: _____ Company Name: _____

Property Address: _____ Mailing Address: _____

Please indicate the name and telephone number of the individual at the property address who will provide the Town of North Haven access to this meter.

Name: _____ Telephone Number: _____

Received copy of: Rules and Regulations Concerning Sewer Service Based on Usage

Applicant: _____ Date: _____

Approved / Town of North Haven: _____ Fee Paid: _____

SECTION V

RULES AND REGULATIONS OF THE TOWN OF NORTH HAVEN WATER POLLUTION CONTROL AUTHORITY

FATS, OILS, AND GREASE PRETREATMENT REGULATION [Adopted: October 8, 2012]

Section 1. Purpose

The purpose of this Regulation is to outline the wastewater pretreatment requirements for the Food Preparation Establishments and other commercial facilities that discharge fats, oils, and grease in their wastewater flow. All new and existing facilities that generate and discharge fats, oils, and grease in their wastewater flow shall install, operate, and maintain a FOG pretreatment system. The requirements of this Regulation shall supplement and be in addition to the requirements of the Town of North Haven WPCA Sewer Use Regulations.

The Department of Environmental Protection's General Permit for the discharge of wastewater associated with Food Preparation Establishments requires that all Food Preparation Establishments meet the wastewater discharge specification as follows:

- All new Food Preparation Establishments must be in compliance with the General Permit prior to the beginning of operation.
- Those facilities undergoing renovations in the food preparation area, food service area, and/or dining area, with a total cost in excess of \$20,000 in any calendar year, or having a combined cost of multiple renovation projects to the above areas in excess of \$40,000 between September 30, 2005 and July 1, 2011, must install the necessary FOG pretreatment equipment as part of the qualifying renovation.
- Changing ownership requires compliance within 60 days of resuming operation.
- All Food Preparation Establishments must be in compliance by July 1, 2011.

Section 2. Definitions

WPCA (Water Pollution Control Authority) – Authorized representative of the Town of North Haven.

AGRU (Automatic Grease Recovery Unit) – An interior grease interceptor that separates grease from the wastewater by active mechanical or electrical means.

AUTHORIZED ACTIVITY – Means any activity authorized by this general permit.

AUTHORIZED DISCHARGE – A discharge authorized under this general permit.

REGIONAL COLLECTION/TRANSFER/DISPOSAL FACILITY – Means a facility approved in accordance with law for the collection, transfer or disposal of fats, oils, grease and food waste which in Connecticut means POTW or privately owned treatment works that is approved by the commissioner for the transfer, separation or disposal by incineration or other methods of fats, oils, grease and food waste from the wastewater of a facility. Pursuant to Section 22a-174-33 of the Regulations of Connecticut State Agencies related to Title V Sources, an in-state regional incinerator must have an operating permit that lists FOG as a source of fuel.

RENDERABLE FATS, OILS, AND GREASE – Renderable fats, oils and grease are food grade grease that can be recovered and sent to renders for recycling into various usable products. Renderable grease is created from spent products collected at the source, such as frying oils and grease from restaurants. This material is also called “yellow grease”.

RENDERABLE FATS, OILS, AND GREASE CONTAINER – Refers to a closed, leak – proof container for the collection and storage of food grade fats, oils, and grease.

Section 3. Application to Install a FOG Pretreatment System

An application for the design and installation of a FOG Pretreatment System shall be subject to review and approval by the WPCA, and to the requirements of all other applicable codes, regulations, and laws.

Section 4. Registration

If a Food Preparation Establishment as limited potential for FOG discharge, an establishment may request a variance for required equipment by submitting an Application for Variance on a form provided by the Town of North Haven’s WPCA. The variance registration, if approved, is valid for a period of three (3) years. If there is a change of ownership during this time period then the Food Preparation Establishment’s new owner must submit a new Application for Variance and pay the associated and applicable fees. (see Section 7. For further review)

Section 5. Discharge Limits

At no time shall the concentration of fats, oils, and grease in wastewater from the grease trap/interceptor, AGRU, or other approved unit and prior to mixing with any other wastewater from the facility exceed one hundred (100) milligrams per liter. All analyses shall be conducted according to the current method as listed in Title 40 CFR 136 or in concentration or in quantities which will harm either sewers, or the Water Pollution Control Facility, as determined by the WPCA. The current method, as of 2005, is EPA 1664.

Section 6. Pretreatment System Requirements

All new and existing Food Preparation Establishments, including restaurants, cafeterias, diners, and similar non-industrial facilities using food preparation processes that have the potential to generate FOG in wastewater at the concentrations in excess of the limits defined in the State of Connecticut DEP regulations.

The following minimum-separating distance shall be maintained between the FOG Interceptor and the items below.

Property line	10 ft
Building served (no footing drains)	15 ft
Ground water intercepting drains, footing drains and storm drains	25 ft
Open watercourse	50 ft

The FOG Interceptor shall have a retention time of at least twenty-four (24) hours at the maximum daily flow based on the water meter records or other calculation methods as approved by the WPCA. The FOG Interceptor minimum capacity shall be 1,000 gallons. FOG Interceptors shall have a minimum of two compartments. The two compartments shall be separated by a baffle that extends from the bottom of the FOG Interceptor to a minimum of five (5) inches above the static water level. An opening in the baffle shall be located at the mid-water level. The size of the opening shall be at least eight (8) inches in diameter but not have an area exceeding 180 square inches.

FOG Interceptor shall be watertight and constructed of precast concrete or other durable material.

Fog Interceptors constructed of precast concrete, shall meet the following requirements:

- The exterior of the FOG Interceptor, including the exterior top and bottom and extension to grade manholes, shall be coated with waterproof sealant.
- All concrete FOG Interceptors shall be fabricated using minimum 4,000-psi concrete per ASTM standards with 4-7 percent air entrainment.
- All structure seams shall be grouted with non-shrinking cement or similar material and coated with a waterproof sealant.
- Voids between the FOG Interceptors walls and inlet and outlet piping shall be grouted with non-shrinking cement and coated with a waterproof sealant.

All non-concrete tanks must be approved for use by the WPCA.

The FOG Interceptor shall be accessible for convenient inspection and maintenance. No structures shall be placed directly upon or over the FOG Interceptor.

The FOG Interceptor shall be installed on a level stable base that has been mechanically compacted with a minimum of six (6) inches of crushed stone to prevent uneven settling.

Select backfill shall be placed and compacted around the FOG Interceptor in a manner to prevent damage to the tank and prevent movement caused by frost action.

The outlet discharge line from the FOG Interceptor shall be directly connected to the municipal sanitary sewer system.

The FOG Interceptor shall have minimum liquid depth of thirty-six (36) inches.

Separate clean-outs shall be provided on the inlet and outlet piping.

~~The FOG Interceptor shall have separate manholes with extensions to grade, above the inlet and outlet piping.~~ FOG Interceptors installed in areas subject to traffic shall have manhole extensions to grade with

The AGRU shall be installed immediately downstream of each of the fixtures and drains as required by these regulations.

AGRU's shall be sized to properly pre-treat the measured or calculated flows using methods approved by the WPCA.

AGRU's shall be constructed of corrosion-resistant material such as stainless steel or plastic.

Solids shall be intercepted and separated from the effluent flow using a strainer mechanism that is integral to the unit.

AGRU's shall operate using a skimming device, automatic draw-off, or other mechanical means to automatically remove separated FOG. This skimming device shall be controlled using a timer, FOG sensor, or other means of automatic operation.

AGRU's operated by timer shall be set to operate no less than once per day.

AGRU's shall be included with an internal or external flow control device.

AGRU's shall be located to permit frequent access for maintenance, and inspection.

Alternate FOG Pretreatment Systems may be considered for approval by the WPCA on a case-by-case basis. The application shall include:

- Documentation evidence that the Alternate FOG Pretreatment System will not discharge FOG concentrations that exceed the allowable discharge limits.
- Plans and specifications for the proposed system including plans and profile of system installation, manufacturer's literature, documentation of performance and any other information detailing the alternate system..
- A written Operations and Maintenance Plan, which shall include the schedule for cleaning and maintenance, copies of maintenance log forms, a list of spare parts to be maintained at the subject facility, and a list of contacts for the manufacturer and supplier. Following receipt of written Notification of Approved Alternate FOG Pretreatment System from the WPCA, the Operation and Maintenance Plan shall be maintained on the premises. The plan shall be made available for inspection by the WPCA.
- A written FOG Minimization Plan, which shall include procedures for all Food Preparation Establishment employees to minimize FOG entering the wastewater collection system.
- Description of a FOG Pretreatment Training Program for the Food Preparation Establishment employees in minimizing procedures.

A Notification of Approved Alternate FOG Pretreatment System may be granted for a duration not to exceed three (3) years, with extensions, when demonstrated to the satisfaction of the WPCA that the Alternate FOG Pretreatment System, Operation and Maintenance Plan, FOG Minimization Plan, and FOG Pretreatment Training Program are adequate to maintain the FOG concentration in the wastewater discharge below the allowable limits.

- Location of waste disposal
- Means of disposal for all material removed from the FOG Interceptor
- Copy of receipt from the Regional Collection/Transfer/Disposal Facility providing specific gallons disposed
- Name of the individual reporting the information

The maintenance log, waste hauler's receipts, and receipts from the Regional Collection/Transfer/Disposal Facility shall be made available to the WPCA for inspection on demand. Interceptor cleaning and inspection records shall be maintained on file a minimum of five (5) years.

All removal and hauling of the collected materials must be performed by State approved waste disposal firms. Pumped material shall be disposed of at a Regional FOG Disposal Facility. (Regional Collection/Transfer/Disposal Facility)

- Pumping shall include the complete removal of all contents, including floating materials, wastewater and settled sludge.
- Decanting back into the FOG Interceptor shall not be permitted.
- FOG interceptor cleaning shall include scrapping excessive solids from the walls, floors, baffles and all piping.

The Contact Person shall be responsible for the cost and scheduling of all installation and maintenance of the FOG Pretreatment System components.

Section 9. FOG Minimization

The Contact Person shall make every practical effort to reduce the amount of FOG contributed to the sanitary sewer system.

Renderable fats, oils, and grease shall not be disposed of, in any sewer or FOG Interceptor. All renderable fats, oils and grease shall be stored in a separate, covered, leak-proof, Renderable FOG Container, stored out of reach of vermin, and collected by a render.

Small quantities of FOG scraped or removed from pots, pans, dishes and utensils shall be directed to the municipal solid waste stream for disposal.

Section 10. Inspections

Food Preparation Establishments shall be subject to inspections by the Town of North Haven WPCA or WPCA approve representative on an annual basis to determine whether the requirement set forth in this Regulation and the General Permit are being met. Inspections may include but are not limited to:

- Review of updated maintenance logs
- Hauler receipts
- Receipts from Regional Collection/Transfer/Disposal Facility providing specific gallons disposed
- Permit is up to date and valid
- Spill prevention plan
- Equipment conditions and temperature settings
- AGRU or Grease Interceptor legibly marked and access conditions

The fees associated with the Town of North Haven's WPCA FOG Management Program, shall be due and payable within sixty (60) days of the date of issuance and the WPCA or its representatives are empowered to permit an extension of time of the fee due date up to seven (7) days after the end of said billing period.

Applicable Fee Table

Initial Application Fee	\$350.00
Permit Fee – Annual	\$200.00
First offense	Notice of Violation
Second offense	\$250.00
Third offense	\$500.00

Section 13. For WPCA use if required

This section is intentionally left blank for WPCA use if required