Sewer Assessment Amounts for the Bozrah Service Areas

In determining the amount to levy on individual properties within the area that are newly serviced by sewers, the properties with access to the sewer system assume the operating costs, connection fee charges, and benefit assessments. Pursuant to Connecticut Statute Sec 7-249, the WPCA has the authority to set the assessment amounts and when setting these assessments may consider any relevant factors which include but are not limited to area, frontage, grand list valuation and present or permitted use or classification of benefited properties. In determining the methodology for the assessment, the following is the general policy of the WPCA:

1) Each property with access to the sewer system is subject to the assessment.
2) Access to the sewer system incurs a cost for adequate capacity thru the Norwich system.
3) Funding for future expansion and capacity are needed to support the planned continued expansion of the utilities in the town.

The cost of connection required by Norwich for use of the system is passed on to the user plus an additional cost for the investment by the town to develop the utilities. These funds will be used to support the growth of capital for continued system operations.

Costs for single family residential properties within the sewer service area:

1) Initial connection cost from the NPU Capital Connection $2500 per Equivalent Dwelling Unit (EDU) in accordance with the NPU Capital Connection fee requirements
2) Bozrah property assessment - $2000
   Total $4500

Residents who are connecting to the sewer system will have the following options for paying the assessment:

1) Payment in full prior to connection, OR
2) Payment of the $2500 connection fee prior to connection and 100 monthly payments of $20

If the property is sold or transferred the payment will be assumed by the new owner with the monthly sewer bill.
Sewer Assessment Amounts for the Bozrah Service Areas

Costs for commercial/industrial properties

Commercial properties that are connecting to the system will be required to pay the cost of the capacity needed for the business type in operation as noted on the NPU Capital Connection fee requirements and an additional $2000 per EDU calculated as a benefit assessment and will have the following payment options:

1) Payment in full within 30 days of first billing, OR
2) Payment of the $2500/EDU connection fee prior to connection and 100 monthly payments of $20/EDU

Commercial/Industrial properties within the service area that are not developed will be assessed if the property is developed and connected to the system. The assessment will be determined during the permitting process for the development.

If the property use is changed, and additional EDU's are required, reassessment of the property will be required with additional cost to the owner.

If the property is sold or transferred the payment will be assumed by the new owner with the monthly sewer bill.
Bozrah Sewer Rate Setting

Proposed initial Bozrah sewer rate setting

- Capacity purchased - 11,500 gallons per day
- Rate charged by Norwich - $8.076/100 cubic feet
- Sewer meter charge by Norwich - $150 per month
- Administrative charges anticipated - $100 per month
- Maintenance charge - $200 per month

Determine expected monthly Norwich charges:

- 11,500 gallons per day / 748 gallons per 100 cubic feet = 15.37 ccf per day (461 ccf per month)
- 15.37 ccf per day x $8.076/ccf = $124.13 per day
- $124.13 x 30 days per month = $3723.9 per month

Determine Bozrah total charge per month

- $3723.9 (Norwich user charge) + $150 (meter charge) + $100 (administrative charge) + $200 (Maintenance charge) = $4173.9

Determine minimum rate needed to collect the charge:

- $4173.9 / 461 ccf = $9.06 per ccf

Due to unknown or unanticipated events, an additional 5% is prudent to ensure that the fee charged will cover the billing. $9.06 per ccf + 5% = $9.51

Proposed initial rate setting for Bozrah waste water = $9.51 per ccf (100 cubic feet)

Anticipated residential bills for $9.51 rate

- $9.51 per ccf (100 cubic feet) x 7 ccf (Nominal monthly use for a residence with a family of 4, 5236 gallons per month, 175 gallons per day) = $66.57/month, $798.84/year
- $9.51 per ccf (100 cubic feet) x 4 ccf (Nominal monthly use for a residence with a family of 2, 2992 gallons per month, 100 gallons per day) = $43.04/month, $516.48/year

Monthly Service Charge

A monthly service charge of $5.00 will be included with the bill to address costs for billing.
TOWN OF BOZRAH SEWER REGULATIONS

Adopted September 26 2019

SEPTERMEBER 26, 2019
TOWN OF BOZRAH
1 River Road, Bozrah CT 06334
Chapter I: Sewers

§ 1-1 Creation; membership; compensation; officers.

§ 1-2 Powers and duties.

Article II Sewer Construction and Use

§ 1-3 Purpose.

§ 1-4 Definitions.

§ 1-5 Compliance with Norwich Public Utilities Sewer Regulations

§ 1-6 Unlawful deposits and discharges; connection to public sewers required.

§ 1-7 Building sewers and connections.

§ 1-8 Discharges to public sewers.

§ 1-9 Drain laying for building drains and sewers.

§ 1-9 Permits.

§ 1-10 Conduct of permits.

§ 1-11 Liability and insurance.

§ 1-12 Surety bond.

§ 1-13 Order to connect building to public sewer.

§ 1-14 Protection from damage.

§ 1-15 Right of entry by inspectors.

§ 1-16 Notice of violation; penalties for offenses.

§ 1-17 Enforcement.

§ 1-18 Appeals.

§ 1-19 Construction of sewers by developers.

Article I: Sewer Authority

§ 1-1 Creation; membership; compensation; officers.
Chapter 1: Sewers

§ 1-1 Creation; membership; compensation; officers.

§ 1-2 Powers and duties.

Article II Sewer Construction and Use

§ 1-3 Purpose.

§ 1-4 Definitions.

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§ 1-16 Notice of violation; penalties for offenses.

§ 1-17 Enforcement.

§ 1-18 Appeals.

§ 1-19 Construction of sewers by developers.

Article III Sewer Authority

§ 1-1 Creation; membership; compensation; officers.
Town of Bozrah Sewer Regulations

There is herewith created pursuant to Chapter 103 of the General Statutes of Connecticut a body to be known as the "Bozrah Water Pollution Control Authority."

A.
The shall be five (5) members of the Bozrah Water Pollution Control Authority consisting of the three (3) members of the Board of Selectman and two (2) members of the general public appointed by the Board of Selectman. All members of the Bozrah Water Pollution Control Authority will serve without compensation. The two (2) members of the general public appointed by the Board of Selectman shall serve (a) the pleasure of the Board of Selectman and (b) for a two (2) year term coterminous with the terms of office of the members of the Board of Selectman.

B.
The members of the Sewer Authority, and any vacancies occurring therein, shall be filled by appointment of the Board of Selectmen. Initial appointment of members shall be for terms equivalent to the terms of office for the Board of Selectman. Any vacancy occurring on said Authority shall be filled for the unexpired portion of the term. No member of the Authority shall be entitled to compensation for his services, but any member shall be entitled to reimbursement or payment for reasonable expenses in connection with his duties when approved by a majority vote of the full membership or approved by the Chairman. The members shall, upon assuming office, elect from among their members a Chairman and Secretary who shall, respectively, conduct all meetings of the Authority and keep a record of the same.

C.
The Authority may employ necessary secretarial and technical assistance in the performance of its duties, and the salaries of such persons shall be deemed necessary expenses of the Authority.

§ 1-2 Powers and duties.
The Sewer Authority of the Town of Bozrah shall have all the powers and duties provided in Chapter 103 of the General Statutes of Connecticut, Revision of 1958, as amended.

Article II: Sewer Construction and Use

§ 1-3 Purpose.
In order to protect, preserve and ensure the public health of the residents of the Town of Bozrah and in order to ensure proper removal and disposal of sewage wastes and sewage waters within the Town of Bozrah, to ensure the proper operation and maintenance of public sanitary sewers and sewage pumping facilities within said Town, and to provide for the keeping of adequate records of sewers, appurtenances, and connections thereto, the following article regulating the construction, use, repair, alteration and discontinuance or abandonment of sewers and appurtenances of the public sanitary sewer system of the Town of Bozrah as provided in § 7-247 et seq. of the General Statutes of the State of Connecticut is hereby enacted.

§ 1-4 Definitions.
Town of Bozrah Sewer Regulations

As used in this article, the following terms shall have the meanings indicated. The word "shall" is mandatory; "may" is permissive.

ACT or THE ACT
The Federal Water Pollution Control Act, also known as the "Clean Water Act," as amended, 33 U.S.C. § 1251 et seq.

ACUTE TOXICITY TEST
Involves two separate but simultaneously performed static, acute screening test. In each test (*) organisms basic to the aquatic food chain are exposed to an aliquot of effluent/discharge to determine the effect(s) of an effluent/discharge on the receiving stream and/or microbial activity within the water pollution control facility.

* Test performed on Daphnia pulex (larvae) and Pimephales promelas (fathead minnows)

The acute toxicity test will be a prime factor used in determining the extent of pretreatment required of Industrial/Commercial Users. Sample collection, handling, and analytical techniques used to determine the acute toxicity of the discharge shall be as prescribed in "Methods for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms" (EPA/600/4-85/013), unless otherwise specified in writing by the D.E.P. or in the regulations of Connecticut state agencies.

BOD (denoting BIOCHEMICAL OXYGEN DEMAND)
The quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedure in five days at 20° C., expressed in milligrams per liter.

BUILDING DRAIN
That part of the lowest horizontal piping of a drainage system which receives the discharge from soil, waste and other drainage pipes inside the walls of the building and conveys it to the building sewer, beginning five feet outside the inner face of the building wall.

BUILDING SEWER
The extension from the building drain to the public sewer or other place of disposal.

CHLORINE DEMAND
The amount of chlorine, in milligrams per liter, which must be added to water or wastes to produce a free residual chlorine in such waters or wastes of 1.0 milligram per liter.

COMBINED SEWER
A sewer receiving both surface runoff and sewage.

COMMERCIAL WASTES
The liquid wastes from commercial processes as distinct from sewage, including but not limited to laundries, restaurants, gas stations, etc.

COOLING WATER
Includes clean wastewater from air-conditioning, industrial cooling, condensing and similar apparatus and from hydraulically powered equipment. In general, "cooling water" will include only water which is sufficiently clean and unpolluted to admit for discharge without treatment or purification into any natural open stream or watercourse without offense.

EASEMENT
Town of Bozrah Sewer Regulations

An acquired legal right for the specific use of land owned by others.

FLOATABLE OIL
Oil, fat or grease in a physical state such that it will separate by gravity from wastewater by treatment in an approved pretreatment facility. A wastewater shall be considered free of floatable fat if it is properly pretreated and the wastewater does not interfere with the collection system.

GARBAGE
Solid wastes from the preparation, cooking and dispensing of food and from the handling, storage and sale of produce.

INDUSTRIAL WASTES
The liquid wastes from industrial processes as distinct from sewage.

NATURAL OUTLET
Rivers, streams, brooks, waterways, lakes, ponds, marshes, swamps, bogs, and other bodies of water, natural or artificial, public or private, which are contained within, flow through or border upon the boundaries of the Town of Bozrah.

NORWICH PUBLIC SEWER REGULATIONS
The regulations for construction and use of the sewer system in Norwich

PERSON
Any individual, firm, company, association, society, corporation, or group.

pH
The logarithm of the reciprocal of the weight of hydrogen ions in grams per liter of solution.

PROPERLY SHREDDED GARBAGE
The wastes from the preparation, cooking, and dispensing of food which have been shredded to such degree that all particles will be carried freely under the flow conditions normally prevailing in public sewers, with no particle greater than 1/2 inch in any dimension.

PUBLIC SANITARY SEWER
A sewer in which all owners of abutting properties have equal rights and which is controlled by public authority.

REASONABLE LENGTH OF TIME
Ninety days, weather permitting.

SANITARY SEWER
A sewer which carries sewage and to which storm-, surface and ground waters are not intentionally admitted.

SEPTIC TANK or PRIVATE SEPTIC DISPOSAL SYSTEM
An on-site subsurface waste disposal system constructed and maintained in accordance with all requirements of the Public Health Code, Building Code, Zoning Ordinance,[1] this article and any other regulations, laws or ordinances of the Town of Bozrah.

SEWAGE
A combination of the water-carried wastes from residences, business buildings, institutions and industrial establishments, excluding, however, all those industrial and commercial wastes other than from toilets, normal bathroom use, or on-premises restaurant kitchens.

SEWER
A pipe or conduit for carrying sewage.
Town of Bozrah Sewer Regulations

SLUG
Any discharge of water, sewage, or industrial waste which in concentration of any given constituent or in quantity of flow exceeds for any period of duration longer than 15 minutes more than five times the average twenty-four-hour concentration or flows during normal operation.

STORM SEWER or STORM DRAIN
A sewer which carries storm- and surface waters and drainage but excludes sewage.

SUBSOIL DRAINAGE
Includes water from the soil percolating into subsoil drains and through foundation walls or basement floors or from underground pipes or from similar sources.

SUPERINTENDENT
That person designated by the Bozrah Water Pollution Control Authority to implement and enforce the provisions of this article, or his authorized deputy, agent or representative.

SUSPENDED SOLIDS
Solids that either float on the surface of or are in suspension in water, sewage, or wastewater and which are removable by laboratory filtering, expressed as milligrams per liter (mg/l) by weight (or pounds per day).

TOWN
The Town of Bozrah, Connecticut.

TOXIC POLLUTANT
Any pollutant or combination of pollutants listed as toxic in regulations promulgated by the Administrator of the Environmental Protection Agency under the provisions of § 307(ii) of the Act or other acts.

WATERCOURSE
A channel in which a flow of water occurs, either continuously or intermittently.

WPCA or WATER POLLUTION CONTROL AUTHORITY
The Bozrah WPCA as defined in Chapter 103 of the Connecticut General Statutes (1958), as amended.

WPCF or WATER POLLUTION CONTROL FACILITY
All facilities for collecting, pumping, treating and disposing of wastewater.

§ 1-5 Compliance with Norwich Public Utilities Sewer Regulations

All facilities constructed or operated in Bozrah will comply with the sewer regulations of the city of Norwich.

§ 1-5 Unlawful deposits and discharges; connection to public sewers required.
A.
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 Bozrah or in any area under the jurisdiction of said Town any human or animal excrement, garbage, sanitary sewage, industrial or commercial wastes or any polluted waters. Customary agricultural utilization and disposition of animal excrement in a sanitary manner upon public or private property shall be lawful within the Town of Bozrah.
B.
Town of Bozrah Sewer Regulations

It shall be unlawful to discharge to any natural outlet within the Town of Bozrah, or 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 article and the appropriate permits obtained from the Connecticut Department of Environmental Protection and the Bozrah WPCA.

C. The owner of all existing or subsequently constructed houses, buildings or properties used or to be used for human occupancy, employment, recreation, or other purposes situated within the Town and abutting on any public street, alley or right-of-way in which there is located an adjoining public sanitary sewer of the Town is hereby required, at his expense, to install suitable toilet, bathroom and kitchen facilities therein, as appropriate to its use, and to connect such facilities directly with the public sanitary sewer in accordance with the provisions of this article, within six months after date of official notice to do so.

§ 1-6 Building sewers and connections.
A. No unauthorized person shall uncover, make any connections with or opening into, use, alter, or disturb any public sewer or appurtenance thereof without first obtaining a written permit from the Superintendent.
B. There shall be two classes of building sewer permits: for residential and commercial service and for service to establishments producing industrial wastes. In either case, the owner, licensed drain layer, or a duly authorized agent shall make application on a form furnished by the WPCA. The permit application shall be supplemented by any plans, specifications, or other information considered pertinent in the judgment of the Superintendent. A permit and inspection fee will be established by the WPCA.
C. All costs and expenses incidental to the installation and connection of the building sewer shall be borne by the owner. The owner or drain layer shall indemnify the Town or WPCA from any loss or damage to the public sanitary sewer and/or road or public facility that may directly or indirectly be occasioned by the installation of the building sewer.
D. A separate and independent building sewer shall be provided for every building, except that where one building stands at the rear of another on a interior lot and no private sewer is available or can be constructed to the rear building through an adjoining alley, court, yard, or driveway, the building sewer from the front building may, with the approval of the Superintendent, be extended to the rear building and the whole considered as one building sewer.
E. Existing building sewers may be used in connection with new buildings only when they are found by the Superintendent on examination and test to meet all requirements of this article. All costs incurred for such testing are to be borne by the owner.
F. The size, slope, alignment and materials of construction of a building sewer and the methods to be used in excavating, placing of the pipe, jointing, testing, and backfilling the trench shall
Town of Bozrah Sewer Regulations

conform to the requirements of the Norwich House Connection Policy and local building and plumbing codes or other applicable rules and regulations of the Town. In the absence of code provisions or in amplification thereof, the materials of the ASTM and WPCF Manual of Practice No. 9, as amended, shall apply.

G. Whenever possible, the building sewer shall be brought to the building at an elevation below the basement floor. In all buildings in which any building drain is too low to permit gravity flow to the public sewer, sanitary sewage carried by such building drain shall be lifted by an approved means and discharged to the building sewer. Plans and specifications of the lift station shall be submitted to the Connecticut Department of Environmental Protection (CDEP). Copies of the CDEP approval must be submitted to the Superintendent before a connection permit will be issued. Duplex lift systems shall be provided for commercial and industrial buildings.

H. No person shall make connection of roof downspouts, exterior 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 sanitary sewer.

I. The connection of the building sewer into the public sewer shall conform to the requirements of the building and plumbing code or other applicable rules and regulations of the City of Norwich including the procedures set forth in appropriate specifications of the ASTM and WPCF Manual of Practice No. 9, as amended. All such connections shall be made gastight and watertight. Any deviations from the prescribed procedures and materials must be approved by the City of Norwich before installation.

J. The applicant for the building sewer permit shall notify the Superintendent when the building sewer is ready for inspection and connection to the public sewer. The connection shall be made under the supervision of the Superintendent or his representative.

K. All excavations for building sewer installation shall be adequately guarded with barricades 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 or appropriate Town agency.

L. No building sewer shall be constructed within 25 feet of a water supply well. If a building sewer is constructed within 25 to 75 feet of a water supply well it shall be constructed of extra-heavy cast iron (ASTM 74-69) with leaded joints, ductile iron or PVC (SDR 35) whose infiltration/exfiltration rate shall not exceed 25 gallons/diameter/mile/day.

M. New Construction of Apartment units shall be provided with cleanouts for each rental unit and each connecting line. Holding tanks with equivalent to at least 10 days of design capacity shall be provided for each block of 10 units. Each holding tank will be supplied with alarms for hi and level and pump cutoff. A macerating or grinder pump system shall be provided for each holding tank consisting of a primary and backup pump with reverse flow protection and emergency power backup.
$1-7$ Discharges to public sewers.
A. No person shall discharge or cause to be discharged any stormwater, surface water, groundwater, roof runoff, subsurface drainage, or cooling water to any sanitary sewer.
B. Industrial cooling water or unpolluted process waters may be discharged on approval of the Superintendent to a storm sewer or natural outlet in accordance with all applicable state and federal laws and regulations.
C. No person shall discharge or cause to be discharged any of the following described waters or wastes to any public sewers:
   (1) 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 successive readings on an explosion hazard meter at the point of discharge into the system (or at any point in the system) be more than 5% nor any single reading over 10% of the lower explosive limit (LEL) of the meter.
   (2) Solid or viscous substances which may cause obstruction to the flow in a sewer or other interference with the operation of the wastewater treatment facilities, such as, but not limited to, grease, garbage with particles greater than $1/2$ inch in any dimension, animal guts or tissues, paunch manure, bones, hair, hides or fleshings, entrails, whole blood, feathers, ashes, cinders, sand, spent lime, stone or marble dust, metal, glass, straw, shavings, grass clippings, rags, spent grains, spent hops, wastepaper, wood, plastics, gas, tar, asphalt residues, residues from refining or processing of fuel or lubricating oil, mud or glass grinding or polishing wastes.
   (3) Any sewage having a pH lower than 6.0 or greater than 9.0 having any other corrosive property capable of causing damage or hazard to structures, equipment, and personnel of the WPCF. The upper limit of pH for any industrial wastewater discharge shall be established under the discharger's state discharge permit.
   (4) Any sewage containing toxic pollutants in sufficient quantity, either singly or by interaction with other pollutants, to injure or interfere with any wastewater treatment process, constitute a hazard to humans or animals or plant life, create a toxic effect in the receiving waters of the WPCF, or exceed the limitation set forth in federal pretreatment standards.
   (5) Any noxious or malodorous sewage, gases, or solids which, either singly or by interaction with other sewage, are sufficient to prevent entry into the public sewers for their maintenance and repair.
   (6) Any substance which may cause the WPCF's effluent or any other product of the WPCF, such as residues, sludges, or scums, to be unsuitable for the reclamation process where the WPCF is pursuing a reuse and reclamation program. In no case shall a substance discharged to the WPCF cause the facility to be in noncompliance with sludge use or disposal criteria, guidelines or
Town of Bozrah Sewer Regulations

regulations developed under § 405 of the Clean Water Act, any criteria, guidelines, or regulations affecting sludge use or disposal developed pursuant to the Resource Conservation Clean Air Act, the Toxic Substances Control Act, or state criteria applicable to the sludge management method being used.

(7) Any wastewaters which are not amenable to treatment or reduction by the sewage treatment processes employed or which are amenable to the treatment only to such degree that the sewage treatment plant cannot meet the requirements of a state and/or federal agency having jurisdiction over the discharge of wastewaters.

D. The following described substances, materials, waters, or wastes shall be limited in discharges to public sewers to concentrations or quantities which will not harm either the sewers or water pollution control facility, will not have an adverse effect on the receiving stream, or will not otherwise endanger public property or constitute a nuisance. The Superintendent or Commissioner of Environmental Protection may set limitations lower than the limitations established in the regulations below if more severe limitations are necessary to meet the above objectives. The limitations or restrictions on materials or characteristics of sewage discharged to the public sewer are as follows:

(1) Sewage having a temperature higher than 150° F. (65° C.).

(2) Sewage containing fats, wax, grease, petroleum, or mineral oil, whether emulsified or not, in excess of 100 mg/l with floatable oil not to exceed 20 mg/l or containing substances which may solidify or become viscous at temperatures between 32° and 150° F. (0° and 65° C.).

(3) Any garbage that has not been properly shredded. Garbage grinders may be connected to sanitary sewers from homes, hotels, institutions, restaurants, hospitals, catering establishments, or similar places where garbage originates from the preparation of food in kitchens for the purpose of consumption on the premises or when served by caterers.

(4) Any sewage containing odor-producing substances exceeding limits which may be established by the Commissioner of Environmental Protection.

(5) Any radioactive wastes or isotopes of such half-life or concentration as may exceed limits established by the Commissioner of Environmental Protection in compliance with all applicable state and federal regulations.

(6) Materials which exert or cause:

(a) Unusual concentrations of inert suspended solids (such as, but not limited to, sodium chloride and sodium sulfate).

(b) Excessive discoloration (such as, but not limited to, dye wastes and vegetable tanning solutions).
Town of Bozrah Sewer Regulations

BOD in excess of 300 mg/l, chemical oxygen demand in excess of 900 mg/l, or chlorine demand in excess of 20 mg/l, or excessive discoloration in such quantities as to constitute a hazard to the operation of the water pollution control facility.

(d).
Unusual volume of flow or concentration of wastes constituting a slug as defined in § 1-4.

(7).
Sewage containing substances which are not amenable to treatment or reduction by the wastewater treatment processes employed or are amenable to treatment only to such degree that the water pollution control facility effluent cannot meet the limits stipulated in the WPCF NPDES permit.

(8).
Any sewage which, by interaction with other sewage in the public sewer, releases obnoxious gases, forms suspended solids which interfere with the collection system, or creates a condition which may be deleterious to structures and treatment processes or which may cause the effluent limitations of the NPDES permit to be exceeded.

(9).
Overflow from holding tanks or other receptacles storing organic wastes.

(10).
Sewage with concentrations of pollutants in excess of the following limits:

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Concentration [parts/million (ppm) Mg/l]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonia as N</td>
<td>20</td>
</tr>
<tr>
<td>Arsenic as As</td>
<td>0.05</td>
</tr>
<tr>
<td>Barium as Ba</td>
<td>5.0</td>
</tr>
<tr>
<td>Boron as Bo</td>
<td>5.0</td>
</tr>
<tr>
<td>Cadmium</td>
<td>0.1</td>
</tr>
<tr>
<td>Calcium as Ca</td>
<td>400</td>
</tr>
<tr>
<td>Chlorine as Cl</td>
<td>500</td>
</tr>
<tr>
<td>Chromium (Cr +6)</td>
<td>0.1</td>
</tr>
<tr>
<td>Chromium (total)</td>
<td>1.0</td>
</tr>
<tr>
<td>Copper as Cu</td>
<td>1.0</td>
</tr>
<tr>
<td>Cyanides as CN (amenable)</td>
<td>0.1</td>
</tr>
<tr>
<td>Dissolved solids</td>
<td>600</td>
</tr>
<tr>
<td>Fluoride as F</td>
<td>5.0</td>
</tr>
<tr>
<td>Magnesium as Mg</td>
<td>100</td>
</tr>
<tr>
<td>Manganese as Mn</td>
<td>5.0</td>
</tr>
<tr>
<td>Potassium as K and NA combined</td>
<td>500</td>
</tr>
<tr>
<td>Zinc as Zn</td>
<td>1.0</td>
</tr>
</tbody>
</table>
Town of Bozrah Sewer Regulations

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Concentration [parts/million (ppm) Mg/l]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel as Ni</td>
<td>1.0</td>
</tr>
<tr>
<td>Lead</td>
<td>0.1</td>
</tr>
<tr>
<td>Tin</td>
<td>2.0</td>
</tr>
<tr>
<td>Silver</td>
<td>.1</td>
</tr>
<tr>
<td>Mercury</td>
<td>.01</td>
</tr>
<tr>
<td>Sulfide as S</td>
<td>1.0</td>
</tr>
<tr>
<td>Suspended solids</td>
<td>400</td>
</tr>
<tr>
<td>Settable solids</td>
<td>300</td>
</tr>
<tr>
<td>Sulfate as SO4</td>
<td>250</td>
</tr>
<tr>
<td>Total Nitrogen</td>
<td>100</td>
</tr>
</tbody>
</table>

Note: All metals are to be measured as total metals.

E.
State permits are required for submittal of these type applications.

(1).
In accordance with §22a-430 of the Connecticut General Statutes, as amended, a permit from the Commissioner of Environmental Protection is required prior to the initiation of a discharge of any of the following wastewaters to a public sewer:

(a).
Industrial wastewater of any quantity.

(b).
Domestic sewage in excess of 5,000 gallons per day through any individual building sewer connection to a public sewer.

(2).
A potential discharger must submit a permit application to the Department of Environmental Protection not later than 180 days prior to the anticipated date of initiation of the proposed discharge.

F.
If any waters or wastes are discharged or are proposed to be discharged to the public sewers which contain the substances or possess the characteristics enumerated in Subsection D of this section and which in the judgment of the Superintendent may have a deleterious effect upon the sewage facilities, processes, equipment, or receiving waters, or which otherwise create a hazard to life or constitute a public nuisance, the Superintendent may reject the wastes, require pretreatment of the wastes to an acceptable condition for discharge to the public sewers, require control over the quantities and rates of discharge, and/or require payment to cover the added cost
Town of Bozrah Sewer Regulations

of handling and treating the wastes not covered by existing taxes or sewer charges under the provisions of Subsection K of this section. If the Superintendent permits the pretreatment or equalization of waste flows, the design and installation of the plant and equipment shall be subject to the requirements of all applicable codes, ordinances, and laws and approval by the City of Norwich.

G.

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

1) (a) All Food Preparation Establishment shall have FOG Pretreatment Systems of a type and capacity approved by the Town. These FOG Pretreatment Systems are to be properly maintained to prevent FOG from entering the Norwich Sewer System. FOG Pretreatment Systems shall be provided for:

a. All new and existing FPE, including restaurants, cafeterias, diners, and similar non-industrial facilities using food preparation processes that have the potential to generate FOG in wastewater at concentrations in excess of the limits defined in these regulations.

b. New and existing facilities which the Authority require FOG Pretreatment Systems for the proper handling of wastewater containing FOG, except that such FOG Pretreatment Systems shall not be required for private living quarters or dwelling units.

2) All new FPE that generate and discharge wastewater containing FOG and which will require a FOG Pretreatment System, as determined by the Authority, shall include the design and specifications for the FOG Pretreatment System as part of the sewer connection application as described in these regulations.

a. New FPE shall not be allowed to initiate operations until all FOG Pretreatment Systems are approved and inspected by the Authority.

b. New FPE shall be required to install an “indoor or outdoor” FOG interceptor, whose design and location must be approved by the Authority in writing prior to installation.

c. New FPE where conditions prohibit the installation of an “outdoor” FOG interceptor may install an “indoor” grease trap, whose design and location must be approved by the Authority in writing prior to installation.

3) All costs and related expenses associated with the installation and connection of the FOG Interceptor(s) or Alternate FOG Pretreatment System(s) shall be borne by the FPE. The FPE shall indemnify the City and its Agents for any loss or damage that may directly or indirectly occur due to the installation of the FOG Pretreatment System.

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

I.
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 accessibly and safely located and shall be constructed in accordance with plans approved by the Superintendent. The manhole shall be installed by the owner at his expense and shall be maintained by him so as to be safe and accessible at all times.

J.
All measurements, tests, and analyses of the characteristics of waters and wastes to which reference is made in this article shall be determined in accordance with the latest edition of Standard Methods for the Examination of Water and Wastewater, published by the American Public Health Association, and shall be determined at the control manhole provided or upon suitable samples taken at said control manhole. In the event that no special manhole has been required, the control manhole shall be considered to be the nearest downstream manhole in the public sewer to the point at which the building sewer is connected. Sampling shall be carried out by customarily accepted methods to reflect the effect of constituents upon the sewage facilities and to determine the existence of hazards to life, limb, and property. (The particular analyses involved will determine whether a twenty-four-hour composite of all outfalls of the premises 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-hour composites of all outfalls, where pH values are determined from periodic grab samples.)

K.
No statement contained in this section shall be construed as preventing any special agreement or arrangement between the Bozrah Water Pollution Control Authority and any industrial concern whereby an industrial waste of unusual strength or character may be accepted by the Bozrah WPCA for treatment, subject to pretreatment and payment therefor by the industrial concern.

L.
Within five days following an accidental discharge, the user shall submit to the Superintendent and the Commissioner of Environmental Protection 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 sewer system, 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 article or other applicable law.

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

§ 1-8 Drain laying for building drains and sewers.

A.
The Town of Bozrah may license as a drain layer any person, firm, or corporation found to be suitable and competent who or which shall have applied to it on forms to be provided for that
Town of Bozrah Sewer Regulations

purpose and who shall have furnished the surety bond and insurance required by §§ 1-11 and 1-12 hereof.

B. No person other than those described in Subsection A or E of this section shall construct, repair, alter or remove any sewer, building drain, building sewer, or sewer line connected to or with or discharging directly or indirectly to or into any public sanitary sewer of said Town or intended to discharge thus at some future time, regardless of whether said work is located in a public street or in public or private land.

C. The following may, as indicated, construct, repair, alter, or remove sewers, subject to supervision and approval by the Bozrah WPCA:

(1). Regular forces of a contractor employed by the Town, operating under orders of the WPCA and in the performance of work for said Town.

(2). Regular forces of the Town and/or the State Department of Transportation operating under and subject to permit for the particular job to be issued by said WPCA or the Superintendent and while engaged in the regular work and operations of said Town or State Department of Transportation.

(3). Regular forces of any public utility corporation authorized by state law to construct, maintain, and operate pipes or ducts within public highways within said Town, while engaged in work incidental to the regular structures of said utility company and operating under and subject to the conditions of a permit for the particular job issued by said WPCA or the Superintendent.

D. The limitations as to persons who may construct, alter, or repair building drains and building sewers as provided in Subsection B of this section shall not restrict the usual work of plumbers or others when operating in accordance with local plumbing and building codes of the Town when they are working on pipes within or not more than five feet outside the walls of a building or similar structure, provided that no plumber, drain layer or other person shall make any connection to a public sewer of said Town without a permit therefor, even if said sewer is located under or immediately adjacent to any building or similar structure, and provided that all fixtures within said building or structure and all use made of them shall conform to the requirements of this article as to what may and may not be permitted to be discharged into public sanitary sewers.

E. Owner performance. Nothing herein contained shall prohibit the owner of a building or structure from personally installing the building sewer on his own property under the conditions herein specified:

(1). Approval of plans and final approval by the Superintendent shall be obtained;

(2). A permit shall be secured as herein provided before the work is performed;

(3).
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Permit fees shall be paid and applications made for inspections; and
(4).
All work shall be performed by the owner himself in accordance with the provisions of this article.
§ 1-9 Permits.
A.
No person, other than those working for and under the direction of the Town, shall make any excavation for or construct, install, lay, repair, alter, or remove any sewer, building drain, building sewer, sewer connection, or appurtenance thereof or connect to such sewer within the Town which is in any way connected to or discharges directly or indirectly to or into any public sanitary sewer of said Town, or is intended at some future time to be so connected or so discharged, until said person or party shall have applied for and secured from the Superintendent a permit for doing such work. Such permits may be issued only to those qualified to perform such work as provided in § 1-8A or E of this article.
B.
Every application for a permit shall be made in writing on forms to be provided by the WPCA for that purpose and shall be signed by the drain layer, owner, or an authorized agent thereof. The application shall state the location and ownership of the property to be served by the sewer in question, the post office address of said property owner, and a brief description of the work to be done and shall contain an agreement that the permittee will do the work in accordance with the requirements of Town and local laws, ordinances, regulations and permits as those laws, etc., may apply to the particular locations of work and will save said Town and others harmless from damages, loss, damage claims, etc., in accordance with the terms of the drain layer's surety bond provided for in § 1-12 hereof.
C.
Any person who applies for a permit to connect into a public sanitary sewer or sewer line shall pay the prescribed fee for each such permit. Permits shall not be transferable or assignable by the permittee. Permits shall be kept on the premises where and at all times when work is in progress and shall be shown to any proper person asking to see the same. All persons operating under such permits shall be held responsible for conformity with the requirements thereof and with this article.
D.
Any permit, in whole or in part, may be suspended, canceled, or terminated by the WPCA or the Superintendent on written notice to the permittee for violation of the conditions thereof or for the violation of the requirements of this article.
E. There shall be three classes of permits with application charges as shown:

1) Residential-$250
2) Multifamily, Commercial, and Industrial (sanitary only)-$500
3) FOG interceptor for food preparation enterprises-$1000
4) Industrial (other than sanitary)-$1000
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Regardless of the permit required, the owner or his/her agent shall make application on a form furnished by the Authority at least ten (10) days prior to commencing the work. The permit application shall be supplemented by any plans, specifications, or other information considered pertinent in the judgment of the Authority.

The applicant for a Sewer Connection Permit shall notify the Authority at least forty-eight (48) hours before beginning the work and when the building sewer is ready for inspection and connection to the Collection System. The connection shall be made under the supervision of an authorized representative of the Authority.

Permits to connect to the Collection System may be revoked, revised or annulled by the Authority for violations of these regulations, State law or federal law or for exceeding permit limitations.

F. FATS, OILS, AND GREASE (FOG) PROGRAM

Purpose
This article and management program outlines the wastewater pretreatment requirements for FPE and other commercial facilities that discharge FOG in their wastewater flow. All new and existing facilities that discharge FOG in their wastewater are applicable to these regulations in addition to other requirements of State or federal law. The objectives of this article are to:
(a) Prevent the introduction of excessive amounts of grease into the Sewer System.

(b) Prevent clogging or blockage of the Collection System due to grease buildup causing sewage to back up and flood streets, residences, and commercial buildings, resulting in potential liability to the Authority, residences, commercial buildings and others.

(c) Implement a procedure to recover the costs incurred from cleaning and maintaining sewer lines due to improper grease removal.

(d) Implement a procedure to recover the costs for any liability incurred for damage caused by grease blockages resulting in the flooding of streets, residences, or commercial buildings.

(e) Issue FOG discharge permits to FPEs and establish maintenance and monitoring requirements and reinforcement activities.

(f) Establish administrative procedures and reporting requirements.

(g) Establish permit fees for the recovery of costs resulting from this FOG article.

Application to Install a FOG Pretreatment System

(a) All FPE shall have FOG Pretreatment Systems of a type and capacity approved by the Authority. These FOG Pretreatment Systems are to be properly maintained to prevent FOG from entering the Norwich Sewer System. FOG Pretreatment Systems shall be provided for:

a. All new and existing FPE, including restaurants, cafeterias, diners, and similar non-industrial facilities using food preparation processes that have the potential to generate FOG in wastewater at concentrations in excess of the limits defined in these regulations.
Town of Bozrah Sewer Regulations

b. New and existing facilities which the Authority require FOG Pretreatment Systems for the proper handling of wastewater containing FOG, except that such FOG Pretreatment Systems shall not be required for private living quarters or dwelling units.

(b) All new FPE that generate and discharge wastewater containing FOG and which will require a FOG Pretreatment System, as determined by the Authority, shall include the design and specifications for the FOG Pretreatment System as part of the sewer connection application as described in these regulations.

a. New FPE shall not be allowed to initiate operations until all FOG Pretreatment Systems are approved and inspected by the Authority.

b. New FPE shall be required to install an “indoor or outdoor” FOG interceptor, whose design and location must be approved by the Authority in writing prior to installation.

c. New FPE where conditions prohibit the installation of an “outdoor” FOG interceptor may install an “indoor” grease trap, whose design and location must be approved by the Authority in writing prior to installation.

(c) All existing FPE that generate, and discharge wastewater containing FOG and which require a new FOG Pretreatment System, as determined by the Authority, shall submit an application for the installation of a new FOG Pretreatment System within twelve (12) months of adoption of these regulations. The application shall be in accordance with these regulations. The approved FOG Pretreatment System shall be installed within three (3) years of adoption of these regulations.

(d) Existing FPE that generate and discharge wastewater containing FOG and which have an existing non-complying FOG Pretreatment System may, as determined by the Authority, operate the existing FOG Pretreatment System. Such facilities shall submit an application for an “Alternate FOG Pretreatment System” as described in Section 5 (c). Such application shall be submitted within twelve (12) months of adoption of these regulations.

(e) All FOG Pretreatment Systems shall be subject to evaluation, and inspection by the Authority or its authorized representatives during normal working hours. Any noncompliant issue(s) or recommendations for correction for improvement resulting from the inspection will be made available to the owner, or operator in writing.

(f) All costs and related expenses associated with the installation and connection of the FOG Interceptor(s) or Alternate FOG Pretreatment System(s) shall be borne by the FPE. The FPE shall indemnify the City and its Agents for any loss or damage that may directly or indirectly occur due to the installation of the FOG Pretreatment System.

Discharge Limits

(a) No FPE shall discharge or cause to be discharged any wastewater with a FOG concentration in excess of one hundred (100) milligrams per liter, as determined by the currently approved test for total recoverable fats and grease listed in 40 CFR 136.3, or in concentrations or in quantities which will harm either the sewers, or POTW, as determined by the Authority.

(b) Any FPE whose effluent discharge to the Sewer System is determined by the WPCA to cause interference in the conveyance or operation of the Sewer System may be required to sample the FOG
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interceptor and/or grease trap discharge and have it analyzed for FOG at the expense of the owner, leaseholder, or operator. Results of such analyses shall be reported to the WPCA.

FOG Pretreatment system Requirements

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

(b) The wastewater generated from FPE shall be treated to remove FOG using a FOG Interceptor.

(c) Every structure at the subject facility shall be constructed, operated, and maintained, in a manner to ensure that the discharge of food preparation wastewater is directed solely to the FOG Interceptor, or Alternate FOG Pretreatment System. No valve or bypass piping that could prevent the discharge of food preparation wastewater from entering appropriate pretreatment equipment shall be present.

(d) The Contact Person at each FPE shall notify the Authority when the FOG Pretreatment System is ready for inspection and connection to the Collection System. The connection and testing shall be made under the supervision of the Authority.

(e) All applicable local plumbing/building codes shall be followed during the installation of the FOG Pretreatment System.

(f) FOG Interceptor Requirements.

a. The FOG Interceptor shall be installed on a separate building sewer servicing kitchen flows and shall only be connected to those fixtures or drains which can allow FOG to be discharged into the Norwich Sewer System. This shall include:

i. Pre-rinse sinks, or dishwashers without pre-rinse sinks;

ii. Pot and pan wash sinks\re-rinse sinks, including pre-rinse sinks to automatic dishwashers;

iii. Scullery;

iv. Automatic dishwasher;

v. Meat preparation sink;

vi. Any other sink into which FOG may be introduced;

vii. Soup kettles or similar devices;

viii. Wok stations;

ix. Floor drains or sinks into which kettles may be drained;
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x. Automatic hood wash units; and

xi. Any other fixtures or drains that can allow FOG to be discharged into the Norwich Sewer System.

b. No pipe carrying any wastewater other than from those listed in the Paragraph above shall be connected to the FOG Interceptor.

c. No food grinder shall discharge to the FOG Interceptor. Where food-waste grinders are installed, the waste from those units shall discharge directly into the building drainage system and not pass through FOG interceptor.

d. The FOG Interceptor shall be located so as to maintain the separating distances from well water supplies set forth in Section 19-13-B51d of the Public Health Code.

e. The following minimum-separating distances shall be maintained between the FOG Interceptor and the items listed below, unless otherwise directed by the Authority.

i. Property line 10 ft

ii. Building served (no footing drains) 15 ft

iii. Ground water intercepting drains, footing drains and 25 ft storm drainage systems

iv. Open watercourse 50 ft

f. The FOG Interceptor shall have a retention time of at least twenty-four (24) hours at the maximum daily flow based on water meter records or other calculation methods as approved by the Authority. The FOG Interceptor minimum capacity shall be 1,000 gallons unless a lower quantity is authorized in writing by the General Manager or his/her designee. 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 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.

g. FOG interceptors shall be adequately sized and shall comply with the State of Connecticut - General Permit for the Discharge of Wastewater Associated with Food Preparation Establishments, issued October 5, 2015 or as amended. The size of the FOG interceptor shall be the greater of the minimum quantity specified in subparagraph 4 f (g) of these regulations or the quantity determined by the following formula: grease capacity of the FOG interceptor shall be equal to or greater than double the actual drainage load from the combined drainage fixtures connected to the grease trap. Whereas the grease capacity is expressed in “pounds” as stated for each grease trap model’s detailed specifications. Whereas the following calculation determines the actual drainage load in “gallons”.

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i. Length \times width \times depth = \text{cubic inches of an individual compartment sink connected to the grease trap. (where there are multi-compartment sinks, the first compartment only is used in this calculation)}

ii. Cubic inches (total from each fixture)/ 231 (1 gal = 231 cubic inches) = gallon capacity

iii. Gallon capacity \times 0.75 (75\% of gallon capacity) = actual drainage load

iv. Therefore, actual drainage load \times 2 = grease capacity of the FOG interceptor required.

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

i. FOG interceptors constructed of precast concrete, shall meet the following requirements:

i. The exterior of the FOG Interceptor, including the exterior top and bottom and extension to grade manholes, shall be coated with a waterproof sealant.

ii. All concrete FOG Interceptors shall be fabricated using minimum 4,000-psi concrete per ASTM standards with 4 to 7 percent air entrainment.

iii. All structural seams shall be grouted with non-shrinking cement or similar material and coated with a waterproof sealant.

iv. Voids between the FOG Interceptors walls and inlet and outlet piping shall be grouted with non-shrinking cement and coated with a waterproof sealant.

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

k. All FOG interceptors and/or grease traps shall be designed and installed to allow for complete access for inspection and maintenance of the inner chamber(s) and viewing and sampling of effluent wastewater discharged to the Sewer System. These chambers shall not be visually obscured with soil, mulch, floorings, or pavement of any substance. All FOG interceptors must be easily accessible for servicing and maintaining the trap in working and operating condition, and for inspecting. No structures shall be placed directly upon or over the FOG Interceptor.

l. All FOG interceptors, whether singular or two tanks in series, must have each chamber directly accessible from the surface to provide means for servicing and maintaining the interceptor in working and operating condition.

m. When the FOG interceptor is installed in a parking lot, access ports to the interceptor shall be blocked off from parking or otherwise designated as a "No Park" area.

n. 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.
Town of Bozrah Sewer Regulations

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

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

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

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

s. 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 ductile iron frames and round manhole covers. The word "SEWER" shall be cast into the manholes covers. FOG Interceptors installed outside areas subject to traffic may have concrete risers with lids either having a minimum weight of 59 lbs or shall be provided with a lock system to prevent unauthorized entrance. All manholes and extensions to grade providing accesses to the FOG Interceptor shall be at least seventeen (17) inches in diameter.

t. The inlet chamber of the vessel will incorporate a PVC open sanitary-tee, which extends equal to or greater than 12 inches below the water surface. The outlet chamber of the vessel will incorporate a PVC open sanitary-tee that extends two-thirds below the water surface. The sanitary-tees (both inlet and outlet) will not be capped but opened for visual inspection of the waste stream.

u. Inlet and outlet piping shall have a minimum diameter of four (4) inches and be constructed of schedule 40 PVC meeting ASTM 1785 with solvent weld couplings.

v. The inlet and outlet shall each utilize a tee-pipe on the interior of the FOG Interceptor. No caps or plugs shall be installed on the tee-pipes. The inlet and outlet shall be located at the centerline of the FOG Interceptor and at least twelve (12) inches above the maximum ground water elevation. The inlet tee shall extend to within 12 inches of the bottom of the FOG Interceptor. The inlet invert elevation shall be at least three (3) inches above the invert elevation of the outlet but not greater than four (4) inches. The outlet tee-pipe shall extend no closer than twelve (12) inches from the bottom of the FOG Interceptor and the diameter of this tee pipe shall be a minimum of four (4) inches.

w. The diameter of the outlet discharge line shall be at least the size of the inlet pipe and in no event less than four (4) inches.

x. Fixtures and other potentially grease-containing drains connecting to the grease trap will be determined and approved by the Authority in writing prior to installation.

y. Factory-installed flow control fittings must be provided to the inlet side of all "underneath-counter" grease traps to prevent overloading of the grease trap and to allow for proper operation.
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z. Where automatic dishwashers are installed, the discharge from those units will discharge directly into the building drainage system and not into the grease trap. A basket, screen or other intercepting device shall be installed to prevent passage into the drainage system of solids ½ inch or larger in size. The basket or device shall be removable for cleaning purposes.

aa. When necessary due to installation concerns, testing for leakage will be performed using either a vacuum test or water-pressure test.

i. Vacuum Test - Seal the empty tank and apply a vacuum to two (2) inches of mercury. The tank is approved if 90 percent of the vacuum is held for two (2) minutes.

ii. Water-Pressure Test - Seal the tank, fill with water, and let stand for twenty-four (24) hours. Refill the tank. The tank is approved if the water level is held for one (1) hour.

(f) FOG Pretreatment Equipment maintenance Requirements.

(a) The exclusive use of enzymes, bacteria, grease solvents, emulsifiers, etc. is not considered acceptable grease trap maintenance practice.

(b) The FOG Pretreatment System shall be maintained continuously in satisfactory and effective operation, at the FPE’s expense.

(c) The Contact Person shall be responsible for the proper removal and disposal, in accordance with these regulations, of the collected material removed from the FOG Pretreatment System.

(d) Regularly scheduled maintenance of FOG Pretreatment Systems is required to insure adequate operation. In maintaining the FOG interceptors, the owner, leaseholder, or operator shall be responsible for the proper removal and disposal of grease by appropriate means and shall maintain an on-site record of dates and means of disposal. A record of all FOG Pretreatment System maintenance activities shall be maintained on the premises for a minimum of five (5) years.

(e) The Contact Person shall ensure that the FOG interceptor is inspected when pumped to ensure that all fittings and fixtures inside the interceptor are in good condition and functioning properly. The depth of grease inside the tank shall be measured and recorded in the maintenance log during every inspection along with any deficiencies, and the identity of the inspector.

(f) The Contact Person shall determine the frequency at which its FOG Interceptor(s) shall be pumped according to the following criteria:

a. The FOG Interceptor shall be completely cleaned by a licensed waste hauler when 25% of the operating depth of the FOG Interceptor is occupied by grease and settled solids, or a minimum of once every three (3) months, whichever is more frequent.
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i. **FOR EXAMPLE:** If the total depth (TD) of the GI is 40 inches, the maximum allowable depth (d) of floatable grease equals 40 inches multiplied by 0.25 or \( d = TD \times 0.25 = 10 \) inches. Therefore, the maximum allowable depth of floatable grease of the vessel should not exceed ten (10) inches.

b. If the Contact Person can provide data demonstrating that less frequent cleaning of the FOG Interceptor will not result in a grease level in excess of 25% of the operating depth of the FOG Interceptor, the Authority may allow less frequent cleaning. The Contact Person shall provide data including pumping receipts for four (4) consecutive cleanings of the FOG Interceptor, complete with a report from the FOG hauler indicating the grease level at each cleaning, and the FOG Interceptor maintenance log.

c. A maintenance log shall be maintained on the premises and shall include the following information: dates of all activities, volume pumped, grease depth, hauler’s name, location of the waste disposal, means of disposal for all material removed from the FOG Interceptor, and the name of the individual recording the information. The maintenance log and waste hauler’s receipts shall be made available to the Agent for inspection on demand. Interceptor cleaning and inspection records shall be kept up-to-date and maintained on file a minimum of five (5) years.

(g) 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. 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 scraping excessive solids from the wall, floors, baffles and all piping.

(h) The Contact Person shall be responsible for the cost and scheduling of all installation and maintenance of FOG Pretreatment System components. Installation and maintenance required by the Agent shall be completed within the time limits as given below:

- Violation Days from inspection to Correct Violation
- Equipment not registered 30 days
- Operational/BMP violations 30 days
- Installation violations (outdoor and indoor) 90 days

Fog Minimization

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

(b) Renderable FOG shall not be disposed of, in any sewer or FOG Interceptor. All renderable FOG shall be stored in a separate, covered, leak-proof, Renderable FOG Container, stored out of reach of vermin, and collected by a renderer.

(c) Small quantities of FOG scraped or removed from pots, pans, dishes and utensils shall be directed to the municipal solid waste stream for disposal.
Town of Bozrah Sewer Regulations

(d) FPE shall adopt BMPs for handling sources of floatable FOG originating within their facility. A notice shall be permanently posted at a prominent place in the facility-advising employees of the BMPs procedures to be followed. The WPCA may render advice regarding the minimization of waste.

(e) FPE whose operations cause or allow excessive FOG to discharged or accumulate in the Collection System shall be liable to the WPCA for costs related to service calls for line blockages, line cleanings, line and pump repairs, etc. including all labor, materials, and equipment. If the blockage results in a Sanitary Sewer Overflow (SSO) and the WPCA are penalized for the SSO, the penalty may be passed along to the FPE. These costs or penalties are in addition to any other remedies available to the WPCA under these regulations or other provisions of state law.

§ 1-10 Conduct of permittee.
Each drain layer licensed in accordance with § 1-8A hereof shall be responsible for the proper performance of all work performed under the permits issued to him and for the conduct of all work and all materials furnished on work by his employees or agents. Work may be sublet only to another drain layer licensed under § 1-8A, and then the drain layer to whom the permit was issued shall be fully responsible for compliance with this article and the conditions of the permit as if he had done the work.

§ 1-11 Liability and insurance.
Each drain layer shall save the Town of Bozrah, its agents, and servants harmless from all loss or claims of loss, damage or injury arising from the operations of said drain layer under any permits issued him by reason of his negligence in performing the work for which he has been issued a permit. He shall file with the Town a certificate or certificates of insurance, as required by the Bozrah WPCA.

§ 1-12 Surety bond.
Every person making application for a permit shall file with the WPCA a satisfactory bond with surety in a form satisfactory to the WPCA or the Superintendent. The bond shall be in an amount determined by the WPCA or the Superintendent, conditioned upon the applicant:

A.
Substantially and properly performing all work to be done under the permit issued to him in a workmanlike manner;

B.
Using proper materials;

C.
Restoring that portion of any street or public place which has excavated in accordance with the rules contained in the permit issued to him and maintaining the same for a period of one year; and

D.
Reimbursing the Town for any expense for repairs to such street or public place made necessary by reason of the excavation.

§ 1-13 Order to connect building to public sewer.
Town of Bozrah Sewer Regulations

A. Within 60 days after a public sanitary sewer in a public street becomes operational, the Sewer Authority may order the owner of any building to which a sewerage system is available to connect such building with the system.

B. The basis for an order to connect will be:
   (1) The existence of an inadequate or failing on-site subsurface sewage disposal system;
   (2) By reason of density of development, proximity to natural outlets or watercourses, proximity to water supply wells, and/or soil or other conditions affecting subsurface drainage and water flow, the Water Pollution Control Authority determines that continued use or construction of a septic tank or other private septic disposal system will not adequately ensure the public health or protect against discharge of sewage into natural outlets or watercourse; or
   (3) Any order by the Connecticut Department of Environmental Protection or other regulatory authority directing the Town to abate pollution by the installation of a municipal sanitary sewage system.

C. No such order shall be issued until after a public hearing with respect thereto after due notice in writing to such property owner.

D. Such order, when issued, shall notify such property owner that he or she must connect with said sewer within six months after such notification.

E. Failure to obtain a permit to make such connection shall be prima facie evidence that no connection has been made.

F. No subsurface sewage disposal system shall, after the effective date of this regulation, be constructed, altered, repaired or rebuilt in an area where public sewers are available and the connection thereto is feasible.

G. No subsurface sewage disposal system shall, after the effective date of this regulation, be constructed, altered, repaired or rebuilt in an area where public sewers are available and the connection thereto is feasible.

§ 1-14 Protection from damage.
Any person who willfully breaks, damages, destroys, or injures any structure, appurtenance, or equipment that is a part of the public sanitary sewer system shall be subject to the penalties imposed under § 53a-117 of the Connecticut General Statutes (Rev. 1958), as amended.

§ 1-15 Right of entry by inspectors.
The Water Pollution Control Authority and the Superintendent, and any other duly authorized employees of the Town bearing proper credentials and identification, shall be permitted to enter upon all properties for the purpose of inspection, observation, measurement, sampling, and testing of all discharges into the building drain and sanitary sewer, in accordance with the provisions of this article.

§ 1-16 Notice of violation; penalties for offenses.
Town of Bozrah Sewer Regulations

A. Any person who shall violate any provision of this article except § 143-15 shall be served by the Town with written notice stating the nature of the violation and providing a time limit for the satisfactory correction thereof. The offender shall, within the period of time stated in such notice, permanently cease all violations.

B. Any person who shall violate any provision of this article may be fined not more than $100 each day that any violation of this article continues and each day that person continues to discharge prohibited wastes or substances into any public sanitary sewer shall be deemed a separate offense for the purpose of applying the above penalty.

§ 1-17 Enforcement.

A. If any person shall construct, install, alter, or repair any sewer, building drain, building sewer or connection to any public sanitary sewer of the Town in violation of the requirements of this article or, having obtained a permit as provided in this article, shall construct, install, alter, or repair any sewer, building drain, building sewer or connection thereto without having given the Superintendent or his authorized representative adequate notice, time, opportunity and assistance, during regular working hours, to inspect such sewer, connection and the work and materials used thereon, said Superintendent shall order or direct the person who constructed, installed, altered, or repaired such sewer, etc., to uncover and fully expose any or all portions of such sewer, etc., and afford said Superintendent and his authorized representatives adequate opportunity to examine and inspect such sewer, etc., and to secure such records thereof as may be proper. If such sewer, etc., and the appurtenances thereof shall be found not to be in full accord with the requirements of this article and the standards established under its provisions, then said Superintendent shall order and direct such person, owner or lessee to make such changes in or additions to or remove portions of appurtenances of such sewer, etc., as may be necessary to ensure that such sewer, etc., will conform to the requirements of this article and of the standards established under its provisions. All of such work shall be performed by said person, owner or lessee without delay and without expense to the Town.

B. If any person, after proper order or direction from the Superintendent, fails to take the remedial steps or perform the acts required by this article, or fails thereof, as required by this article, the WPCA or the Superintendent, by such agents and/or facilities as it or he may choose, may disconnect the sewer, etc., which was wrongfully connected, altered, repaired or used or through which improper wastes were discharged into the public sanitary sewer system of the Town. All costs for disconnecting shall be borne by such person and shall be paid to the WPCA immediately upon notice of the amount of such costs.

C. If any person, after order or direction from the WPCA, as authorized by this article, fails to make connection with a public sanitary sewer, the WPCA, or its duly authorized agent, may choose to construct said connection. All costs for construction are to be borne by the owner. All costs for such construction shall be borne by such person and shall be paid to the WPCA immediately upon notice of the amount of such costs.

D. The Superintendent and other duly authorized representatives of the WPCA bearing proper credentials and identification shall be permitted to enter all private properties through which the
Town of Bozrah Sewer Regulations

Town holds an 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 accordance with the terms of the easement pertaining to the private property involved.

E.
The WPCA, or its duly authorized agent, may seek any other remedy or means of enforcement provided by law, including an order from a court of competent jurisdiction enjoining further violation of any provision of this article. Any person who fails to pay any amount due under this article shall, in addition to such amount, be liable to the Town of Bozrah for the costs of collecting the amount due, including reasonable attorney fees. Enforcement under this section shall be in addition to and not in lieu of any penalties imposed under § 143-16 of this article.

§ 1-18 Appeals.
An appeal may be taken to the WPCA by any person aggrieved by any order, requirement, or decision made by an official charged with the enforcement of this article. Said appeal shall be taken within 30 days after notification of the aggrieved person of the order, requirement, or decision. An appeal shall stay all proceedings in the action appealed from, unless the official from whom the appeal has been taken certifies to the WPCA that, by reason of fact, a stay would cause imminent peril to life or property. Said WPCA shall fix a reasonable time for the hearing of any appeal and give due notice thereof to the parties. Said WPCA shall decide such appeal within 65 days after the hearing. Said WPCA may reverse or affirm, wholly or partly, or may modify any order, requirement, or decision appealed from and shall make any such order, requirement, or decision as in its opinion should be made in the premises.

§ 1-19 Construction of sewers by developers.
A.
The Water Pollution Control Authority, hereinafter referred to as "WPCA," is authorized to enter into agreements on behalf of the Town of Bozrah with developers or other owners of land, hereinafter referred to as "developers," for the construction of sewers, which may become part of the public sewer system under the conditions hereinafter stipulated. The WPCA is empowered to make, from time to time, any necessary regulations stipulating the terms and conditions of said agreement not inconsistent with the provision of this article. For the purposes of this section, a developer is one who is required pursuant to Article VII, § 230-22 of the Zoning Regulations[1] of the Town of Bozrah to submit a site development plan or any person, firm or corporation who or which shall subdivide and develop land.

B.
The terms and text of a standard form of agreement for work under this article or any variations of said standard form to apply to any particular project thereunder shall be as approved by the Town Attorney. Prior to any such agreement and construction pursuant thereto, the developer shall have the development site approved by the Planning and Zoning Commission of the Town of Bozrah. No construction shall commence until the developer has secured approval of construction plans and specifications for the proposed sewers. Approval from the WPCA does not relieve the developer of the obligation to obtain any other authorizations required by law.

C.
Town of Bozrah Sewer Regulations

Such agreements shall provide that the full cost of construction of the sewer and all expenses incidental thereto shall be borne by the developer. The developer, upon application to the WPCA for approval of plans and specifications, shall deposit with the Finance Officer of the Town of Bozrah a sum deemed by the WPCA to be sufficient to defray the cost of work to be performed by the Town prior to or during construction or during any maintenance period stipulated. Such work shall include but not be limited to preliminary surveys, preparation of designs and plans, other expenses of preliminary engineering, inspection, supervisory engineering, grade staking, measuring, and testing. Such agreements shall also provide that, in case said deposit proves to be insufficient at any time during the progress of the work, further deposit shall be made upon notification by the Finance Officer of said Town and that, upon acceptance of the sewer, any unexpended portion of said deposit shall be returned to the developer. The developer is further subject to payment of an assessment under the Sewer Benefit Assessment Policy of the WPCA.

D.
The WPCA may require as part of said agreement that adequate bond or other surety acceptable to the Town be submitted to insure completion and maintenance of the work.

E.
Such agreements shall require, whenever the work is not in a duly accepted public highway, that adequate rights-of-way be conveyed to the Town prior to the acceptance of the sewer, the terms of conveyance being subject to the approval of the Town Attorney.

F.
All designs for developer sewers shall be accomplished by a licensed professional engineer in the State of Connecticut. The sewer system shall be properly designed in accordance with Guides for the Design of Wastewater Treatment Works, latest edition, as prepared and published by the New England Interstate Water Pollution Control Commission and in strict conformance with all requirements of the State of Connecticut, the Town of Bozrah and the City of Norwich. The design of sewers must anticipate and allow for flows from all possible future extensions or developments within the immediate drainage area, the drainage area being that area which can be easily sewer ed by gravity. Construction plans and specifications for sewer extensions shall be submitted to, and approval obtained from, the WPCA before construction may proceed. A report presenting the basis of design of the proposed sewers shall be submitted by the developer to the WPCA for approval of the WPCA prior to approval of the final construction plans and specifications.

G.
The installation of the sewers must be subject to the inspection of the Town Building Official, the WPCA or the WPCA's engineer, and the expenses for this inspection shall be paid for by the developer. This inspection shall be documented as a video inspection of the internal surfaces and connections to the piping. Any over extended pipe connections or lining damage will be repaired prior to the final test in Subsection H. The sewer as constructed must pass the infiltration/exfiltration test required in Subsection H before it is used.

H.
Upon completion of construction of any sewer extension, but before final acceptance by the WPCA, the sewer system shall be inspected as follows:

1) Internally by video to verify pipe integrity and connections installation. Crushed pipe, or improper configuration of connections will be repaired by the developer
Town of Bozrah Sewer Regulations

2) The piping will be tested for infiltration and exfiltration of both sewer lines and manholes under the direction and inspection of professional engineer registered in the State of Connecticut and in the presence of the WPCA's designated agent.

3) When the sewers have passed tests to demonstrate that they meet the standards presented in the Guides for the Design of Wastewater Treatment Works, then the Engineer shall certify in writing to the Authority as to the nature of the tests and results thereof and the fact that the tests meet acceptable standards.

I.
Upon completion of construction and acceptance by the WPCA of the infiltration/exfiltration test results, the developer shall submit as-built record drawings of the completed sewer project. As-built record drawings shall meet the requirements contained in the Norwich Sewer regulations and is available from the office of the Bozrah Building Official.

I.
The WPCA may, by resolution, incorporate said sewers into the Bozrah sewer system, to become effective as specified in such resolution upon the following events:

(1) Acceptance of the as-built record drawings by the Authority;
(2) Expiration of the maintenance period fixed in the agreement;
(3) Proper restoration of all roadways, curbs, walks and other surfaces and appurtenances disturbed by the work; and
(4) The furnishing of adequate security by bond or otherwise to assure such restoration.
Chapter 2: Sewer Line Extensions

§ 2-1 Purpose.
§ 2-2 Submission and review of application.
§ 2-3 Submission of design documents and plans; review fee.
§ 2-4 Preparation of developer's agreement.
§ 2-5 Meeting prior to construction.
§ 2-6 Inspections; notice of substantial completion.
§ 2-7 As-built drawings.
§ 2-8 Notice of final acceptance.
§ 2-9 Final accounting.

§ 2-1 Purpose.
The purpose of this chapter is to establish procedures for the extension of the sewer lines for the Fitchville Sewer System and the Route 82 Sewer System. To gain approval for construction, the applicant should also refer to the Town of Bozrah's Sewer Ordinance[1] and Drain Layers' Manual for additional requirements.

§ 2-2 Submission and review of application.

A.
The applicant will submit a formal notification (i.e., application and key map of location) to the WPCA for its conceptual approval with a nonrefundable fee of $100. The applicant will provide the number of units and proposed use of the units.

B.
The WPCA or its agent will review the application, and, upon acceptance, notification will be issued by the WPCA to the applicant. If the application is not adequate it will be returned to the applicant for completion.

§ 2-3 Submission of design documents and plans; review fee.

A.
The applicant will submit to the WPCA three copies of the design documents, including an initial review fee ($1000) to cover the cost of the review. The review fee will only be an estimate of the anticipated review costs. The amount will be determined on completion of the review and billed to the applicant.

B.
Upon acceptance by the Town's Engineer and the Planning and Zoning Commission, copies of all plans, specifications, and reports will be submitted by the applicant to the WPCA for approval.

C.
An approval letter listing the conditions will be distributed and designed documents as follows:

(1)
One copy retained by WPCA.

(2)
One copy to the Planning and Zoning Commission.

(3)
One copy to the Superintendent.

(4)
One copy to the Building Official.

§ 2-4 Preparation of developer's agreement.
Town of Bozrah Sewer Regulations

A. Upon approval of the design documents submitted, the Bozrah WPCA and applicant will enter into a developer's agreement for construction.

B. A developer's agreement shall also include inspection fees, legal fees, and engineering fees estimated and required in advance. If money is left from the review fee, it will be credited to the developer's fees. If costs exceed the estimate, the developer will be required to pay, and if costs are lower, the money will be returned to the developer.

C. Attached is the checklist attachment to the developer's agreement.[1]

[1] Editor's Note: The checklist attachment is on file at the office of the Water Pollution Control Authority.

§ 2-5 Meeting prior to construction.
Prior to the start of construction, a preconstruction meeting will be arranged by the Superintendent to include the First Selectman, Town Engineer, Building Inspector, and Town Planner will attend this meeting if the project's size or complexity justifies participation.

§ 2-6 Inspections: notice of substantial completion.
A. During construction, full inspection will be provided by the Bozrah WPCA staff and Town Engineer.

B. The inspector will fill out daily inspection reports and will file copies with the Town Engineer and Building Inspector.

C. Bozrah's WPCA Superintendent, the First Selectman, Town Engineer and Building Inspector will inspect the project upon its completion. If all facilities have been installed to specification, a notice of substantial completion will be prepared and submitted to the applicant indicating any additional work requirements and requesting the submission of an as-built drawing of the completed facilities.

§ 2-7 As-built drawings.
Three copies of the as-built drawings will be submitted to the Bozrah WPCA within 30 days. For the following Town Engineer, Public Works Director and WPCA:

A. All buildings shall be shown in proper scale and location.

B. All correct invert elevations, top of manhole from elevations and stationing of manholes shall be shown to scale.

C. Each wye shall be stationed and shown on plans to scale.

D. All building connection laterals shall be shown on the plan to scale and shall be tied by three dimensions on the plan. Below sill or below ground depth shall be shown.

E. Chimneys shall be shown on cross section.
Town of Bozrah Sewer Regulations

F. Size of pipe, type of pipe material, slope or grade, and length of each manhole-to-manhole pipe run shall be indicated.

G. Areas having additional bedding, temporary sheeting or permanent sheeting shall be shown. Any concrete encasement shall be shown.

H. A bench mark shall be referred to on each drawing.

I. Drawings shall be indicated as "revised to an as-built," dated and initialed by a registered professional engineer.

J. The Town-engineered as-built drawings shall be on reproducible Mylar with a plan scale of one inch to 40 inches and profile scale of one inch to 40 inches horizontal, one inch to four inches vertical. The drawings shall be 24 inches to 30 inches.

§ 2-8 Notice of final acceptance.
Upon satisfactory completion of all the checklist items and receipt of acceptable as-built documents, with copies for the WPCA, and Building Inspector, the Town Engineer will issue a notice of final acceptance to the developer and the Bozrah WPCA.

§ 2-9 Final accounting.
Upon acceptance by the WPCA, a final accounting will be made to have all fees paid. Any money left on the account will be returned to the applicant. If money is owed, the WPCA will require payment to be made within 30 days. The reduction of the performance bond will not be approved until all outstanding fees are paid in full.
Chapter 3: User Charges

§ 3-1 Purpose.
§ 3-2 Definitions.
§ 3-3 Fund management.
§ 3-4 Determination of charge.
§ 3-5 Billing and payments.
§ 3-6 Special charges.
§ 3-7 Appeals.
§ 3-1 Purpose.
It is determined and declared to be necessary and conducive to the protection of the public health, safety, welfare and convenience of the Town of Bozrah WPCA to collect charges from all users which contribute wastewater to the WPCA’s collection and treatment works. The proceeds of such charges, so derived, will be used for the purpose of operating and maintaining the public wastewater collection and treatment works. It is intended that user charges meet all costs of operation and maintenance of the sewer systems on an annual basis.
§ 3-2 Definitions.
Unless the context specifically indicates otherwise, the meaning of the terms used in this chapter shall be as follows. "Shall" is mandatory; "may" is permissive.

ACCESSORY APARTMENT
The same definition in the Bozrah Zoning Regulations, [1] which is a subordinate dwelling unit located within a single-family residence. An accessory apartment shall not have more than one bedroom. For the purposes of calculating the user charge, it will be at .3 (1/3) EDU.
[Added 5-15-2001]

BOD (denoting BIOCHEMICAL OXYGEN DEMAND)
The quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedure in days at 20° C., expressed in milligrams per liter (mg/l).

COMMERCIAL USER
All retail stores, restaurants, office buildings, laundries, and other private business and service establishments.

EQUIVALENT DWELLING UNIT (EDU)
The average wastewater flow discharged from a single dwelling unit in the Town of Bozrah. For the purposes of this chapter, an EDU is defined as 200 gallons per day (gpd) of wastewater flow.

EXCESSIVE WASTEWATER FLOWS
When water consumption records or other separate meter(s) reveals that a property uses more than the average amount of water. Excessive water use translates to excessive sewage use, transferring sewage treatment cost to others and the potential lack of sewage availability to other parcels.

FIXED CHARGES
Those components of the WPCA’s annual expenditures which are not directly related to wastewater flow. These charges may include, but are not limited to, meter charges, the costs associated with staffing, equipping and supplying those employees of the Town of Bozrah Department of Public Works dedicated to the WPCA; WPCA administrative expenses, including salaries of administrative personnel, administrative office expenses
Town of Bozrah Sewer Regulations

and administrative charges for the Town of Bozrah; purchased services, including
engineering, administrative consulting, legal advice and insurance expenses; and the cost
associated with annual deposits to the equipment/capacity replacement fund.

GOVERNMENTAL USER
Includes legislative, judicial, administrative, and regulatory activities of federal, state and
local governments.

FITCHVILLE SEWER SERVICE AREA
That area along Stockhouse road and the Fitchville village areas from which collected
wastewater is discharged to the Town of Norwich and defined in the facility plan adopted
by the WPCA, as amended from time to time.

INDUSTRIAL USER
Includes any user of publicly owned treatment works which is identified in the Standard
Industrial Classification Manual, 1972, Office of Management and Budget, as amended
and supplemented, under the following divisions: Division A, Agriculture, Forestry, and
Fishing; Division B, Mining; Division D, Manufacturing; Division E, Transportation,
Communications, Electric, Gas and Sanitary; and Division I, Services, or any other user
which is not a residential user, commercial user, institutional user or governmental user.

INSTITUTIONAL USER
Includes social, charitable, religious, and educational activities, such as schools,
churches, hospitals, nursing homes, penal institutions and similar institutional users.

MINIMUM BILL
That portion of the total user charge assessed against all users of the system, regardless of
the volume of wastewater discharged. The minimum bill shall be computed by dividing
the total value of the fixed charges (see definition of "fixed charges" above) by the
number of users. The minimum bill for commercial, industrial, institutional and
governmental users whose flows exceed those defined for an EDU (see the definition of
"equivalent dwelling unit" above) shall be computed by dividing the total flow from the
facility by the EDU flow value and multiplying the resulting number of EDUs by the
minimum bill amount.

NORMAL DOMESTIC WASTEWATER
Wastewater that has a BOD concentration of not more than 200 mg/l and a suspended
solids concentration of not more than 200 mg/l.

OPERATION AND MAINTENANCE
Those functions that result in expenditures during the useful life of the treatment works
for materials, labor, utilities and other items which are necessary for managing and using
the facilities for which such works were designed and constructed. The term "operation
and maintenance" includes replacement as defined below.

REPLACEMENT
Expenditures for obtaining and installing equipment, accessories or appurtenances that
are necessary during the useful life of the treatment works to maintain the capacity and
performance for which the works were designed and constructed. "Replacement" is not
intended to mean the costs associated with depreciation of the collection or treatment
system.

ROUTE 82 SEWER SERVICE AREA
Town of Bozrah Sewer Regulations

That area along Route 82 in Bozrah from which collected wastewater is discharged to the Town of Norwich and defined in the facility plan adopted by the WPCA, as amended from time to time.

RESIDENTIAL USER
Any contributor to the WPCA's treatment works whose lot, parcel, real estate or building is used for domestic dwelling purposes only.

SEASONAL OCCUPANCY
The use of a property and sewer system for less than the full calendar year on a consistent basis. During the period of non-occupancy, no discharge shall be made to the sewer system or any holding tank. For the purpose of this limited use, proof in the form of original copies of electric utility bills for the off season shall be required or other documentary evidence of seasonal use found acceptable to the WPCA. The WPCA shall review this documentation and may adjust billing for the unused period.

SS (denoting SUSPENDED SOLIDS)
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.

TREATMENT WORKS
Any devices and systems for the storage, treatment, recycling and reclamation of municipal sewage, domestic sewage or liquid industrial wastes. These include intercepting sewers, outfall sewers, sewage collection systems, pumping, power, and other equipment and their appurtenances; extensions, improvements, remodeling, additions and alterations thereof; elements essential to provide a reliable recycled supply, such as standby treatment units and clear well facilities; and any works, including site acquisition of the land that will be an integral part of the treatment process or used for ultimate disposal of residues resulting from such treatment (including land for composting sludge, temporary storage of such compost and land used for the storage of treated wastewater in land treatment systems before land application); or any other method of system for preventing, abating, reducing, storing, treating, separating or disposing of municipal waste or industrial waste, including waste in combined stormwater and sanitary sewer systems.

USEFUL LIFE
The estimated period during which a treatment works will be operated.

USER CHARGE
That portion of the total wastewater service charge which is levied in a proportional and adequate manner for the cost of operation, maintenance, and replacement of the wastewater system.

VARIABLE CHARGES
Those components of the WPCA's annual expenditures which are directly related to the volume of wastewater flow. These charges may include, but are not limited to, the cost associated with providing utility services, including electricity, potable water, alarm service, user fees paid to the Town of Norwich.

WATER METER
A water volume measuring and recording device, furnished and installed by a user and approved by the Town of Bozrah WPCA.

§ 3-3 Fund management.

A...
Town of Bozrah Sewer Regulations

The revenues collected as a result of the user charges levied shall be deposited in a separate non-lapsing fund known as the "Operation, Maintenance and Replacement Fund." Additional fund accounts may be established for capacity payments and other non-recurring costs.

B.
Fiscal year-end balances in the Operation, Maintenance and Replacement Fund shall be used for no other purposes than those designated by the WPCA. Moneys which have been transferred from other sources to meet temporary shortages in the Operation, Maintenance and Replacement Fund shall be returned to their respective accounts upon appropriate adjustment of the user charge rates for operation, maintenance and replacement. The user charge rate(s) shall be adjusted such that the transferred moneys will be returned to their respective accounts within six months of the fiscal year in which the moneys were borrowed.

§ 3-4 Determination of charge.
Users within both the Fitchville Sewer Service Area and the Route 82 Sewer Service Area shall pay their equitable share of the expense of operating the respective wastewater collection and disposal system on a monthly basis. The user charge shall be the total of the variable charge and fixed charge (see § 3-2). The determination of the equitable share and subsequent individual user charge shall be based upon the application of the following general rules:

A.
On or before May 1 of each year the WPCA shall determine the costs associated with the operation of each of the WPCA's systems, Fitchville and Route 82, and adopt a schedule of these expenses as an operational budget for the coming fiscal year. Each user of either of the WPCA's systems will be assessed a minimum charge, based on the determination of the minimum bill and related fixed charges as defined in § 3-2. If the variable charge for the user is greater than the minimum bill, the minimum charge is met.

B.
Those users within the Fitchville Sewer Service Area shall pay for the services provided by the WPCA defined as variable charges (defined in § 3-2) based on their actual use of the treatment works. The actual use of the treatment works shall be determined by water meter readings for those users in the Fitchville Sewer Service Area.

(1)
In situations where one water meter may serve more than one residential or commercial unit, the WPCA shall divide the total metered flow equally among the units served through the meter or make other reasonable adjustments that more accurately reflect the actual water use of the individual units.

(2)
Those residential users that derive potable water from on-site wells within the Fitchville System, without metered water service, shall have their bills computed based on the maximum water use associated with other residential users within the system as calculated by the WPCA based on information supplied by water meter readings.

(3)
The system-wide variable charges shall be determined through the application of the following formula: Total annual variable expenses ÷ maximum anticipated annual water flow (one hundred cubic feet-ccf) from connected users = cost per one hundred cubic feet (ccf) of variable expenses.

(4)
Town of Bozrah Sewer Regulations

The variable charge attributable to an individual property shall be calculated monthly and billed through the application of the following formula: Annual Rate per one hundred cubic feet (ccf) of variable expenses X amount of water used in one hundred cubic feet increments = property's variable charge.

C. Those users within the Route 82 Sewer Service Area shall pay for the services provided by the WPCA defined as variable charges (defined in § 3-2) based on their actual use of the treatment works. The actual use of the treatment works shall be determined by water meter readings for those users in the Route 82 Sewer Service Area.

(1) In situations where one water meter may serve more than one residential or commercial unit, the WPCA shall divide the total metered flow equally among the units served through the meter or make other reasonable adjustments that more accurately reflect the actual water use of the individual units.

(2) Those residential users that derive potable water from on-site wells within the Route 82 Sewer Service Area, without metered water service, shall have their bills computed based on the maximum water use associated with other residential users within the system as calculated by the WPCA based on information supplied by water meter readings.

(3) The system-wide variable charges shall be determined through the application of the following formula: Total annual variable expenses + maximum anticipated annual water flow (one hundred cubic feet-ccf) from connected users = cost per one hundred cubic feet (ccf) of variable expenses.

(4) The variable charge attributable to an individual property shall be calculated monthly and billed through the application of the following formula: Annual Rate per one hundred cubic feet (ccf) of variable expenses X amount of water used in one hundred cubic feet increments = property's variable charge.

D. If a residential, commercial, institutional, or industrial user has a consumptive use of water or in some other manner and uses water which is not discharged into the wastewater collection system, the user charge for that contributor may be based on readings of a wastewater meter(s) or separate water meter(s) installed, maintained and read at the user's expense.

E. Any residential or commercial user whose property is occupied on a seasonal basis may apply to the WPCA to determine qualification as season occupancy. For the period of occupancy the charge will contain both fixed and variable charges as previously defined. For the period of nonuse, only the minimum charge will be made.

F. In all cases where the wastewater flow must be estimated for commercial, industrial, recreational, restaurant, church or governmental uses, the WPCA shall apply the flow information contained in the most recent version of the State of Connecticut Department of Public Health publication titled "Connecticut Public Health Code Regulations and Technical Standards for Subsurface Sewage Disposal Systems" on file with the WPCA.

G.
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If a residential, commercial, institutional, or industrial user exceeds the wastewater flow gallons per day (gpd) approved, the WPCA will levy a surcharge rate for excessive wastewater flows. The surcharge rate is to encourage conservation and secure individual compliance to stay within the total contracted flows sent to Norwich’s Treatment Plant.

H.
If a residential, commercial, institutional, or industrial user has potable water for his or its property without a metered service, the WPCA plans to implement a requirement that all contributors install a separate water meter(s) to be maintained at the user's expense.

I.
Any residential, commercial, institutional, or industrial user who or which violates Bozrah WPCA Sewer Ordinance § 1-6H by connecting roof downspouts, foundation drains, building drains, storm sewers, storm drains, subsoil drainage or other sources of surface runoff directly or indirectly into the public sanitary sewer shall be subject to a minimum sewer user penalty surcharge of $50 per day. The sewer user penalty charge will be in addition to any penalties imposed by Bozrah's Sewer Ordinance.[1]

§ 3-5 Billing and payments.

A.
The WPCA shall bill users of the WPCA's systems on a monthly basis. Bills shall be due and payable at the 15th of the following month.

B.
Penalty interest shall be charged at the rate of 1.5% per month on past-due accounts as provided by statute.

§ 3-6 Special charges.

A.
All users whose waste strength is greater than 200 mg/l BOD or 200 mg/l SS shall prepare and file with the WPCA a report that shall include pertinent data relating to the wastewater characteristics, including the methods of sampling and measurement to obtain these data, and these shall be used to calculate the user charge for that user. The WPCA shall have the right to gain access to the waste stream and take its own samples. Should the WPCA do so, and should the results be substantially different as determined by the WPCA from the data submitted by the user, the user charge for that user shall be revised for the next billing cycle/period.

B.
Any user which discharges any toxic pollutants which cause an increase in the cost of managing the effluent of the sludge from the WPCA's treatment works or any user which discharges any substance which singly or by interaction with other substances causes identifiable increases in the cost of operation, maintenance or replacement of the treatment works shall pay for the increased costs. The charge to each such user shall be determined by the appropriate personnel and approved by the WPCA.

C.
Excess discharge.

(1)
Findings. All sewage effluent collected in the Town of Bozrah is discharged for treatment to a facility in another town; and the Town of Bozrah has purchased a limited quantity of flow that it for discharge to the treatment facilities. Any excess flow discharged from Bozrah results in a violation of its contract with the treating town and either jeopardizes Bozrah's ability to discharge to that facility at all, or results in a surcharge to Bozrah to cover the excess treatment
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costs incurred or excessive discharges that may violate the treatment plant's permitted rate of discharge under its permit. As a result, the Bozrah WPCA finds it necessary to discourage excessive discharges from its users and, in the event that a user does discharge greater flow than it was permitted, may impose the cost of that excess upon the user rather than all of the users and the WPCA.

(2) Purpose. To address the foregoing issues, the WPCA does hereby adopt the following regulations.

(3) Definitions. As used in Subsection D, the following terms shall have the meanings indicated:

**ESTABLISHED FLOW**
That quantity of average daily flow and that quantity of peak daily flow allocated to the user by the WPCA at the time the user was permitted to connect to the sewerage system, or as the quantity of flow may have been modified from time to time.

**TWO-YEAR PERIOD**
A rolling period of two years beginning on the first day of the billing cycle during which there is a sewage discharge greater than the established flow and ending on the last day of the billing cycle two years later, subject to adjustment for any fluctuations in the beginning date of any billing cycle that may extend or shorten the period by a few days.

(4) First offense. In the event a user is or has discharged effluent greater than his or its established flow during a single time or period within any two-year period, then the WPCA shall notify the user, who shall immediately conduct an investigation to determine the cause of the excess discharge and will take such action as necessary to correct the condition or problem to reduce the discharge to the established flow or less. If the discharge is reduced to or below the established flow for the billing period next after the notification, there will be no increase in the user rate.

(5) Subsequent offense. In the event a user is or has discharged effluent greater than his or its established flow a second time or any additional times within any two-year period, then the WPCA may impose a charge on the excess discharge, for the full billing period of that second or additional excess discharge, equal to three times the standard rate for that user, and shall continue that rate until the user reduces its discharge to or below the established rate of discharge.

(6) In the event that the WPCA determines that the continued excess discharge is or will jeopardize its contractual relationship with the treating town and/or cause it to be subject to any enforcement action by the Connecticut Department of Environmental Protection, then it may issue an order to the user to cease any and all discharges to the Bozrah sewer system and seek enforcement of this order through the Superior Court as a violation of the Bozrah Sewer Ordinance.[1]

[1] Editor's Note: See Ch. 143, Sewers.
§ 3-7 Appeals.
A.
Town of Bozrah Sewer Regulations

Any user which feels its user charge is unjust and inequitable may make written application to the WPCA requesting a review of the user charge. Said written request shall, where necessary, show the actual or estimated average flow and/or strength of its wastewater in comparison with values upon which the charge is based, including how the measurements or estimates were made.

B. Review of the request shall be made by the WPCA, and, if substantiated, the user charges for that user shall be recomputed based on the revised flow and/or strength data and the new charges shall be applicable to the next billing cycle/period.

Bills that are incorrect due to meter or billing errors will be adjusted in accordance with the applicable provision of PURA Regulations (Section 16-11-71) for the following items:

- Meter over/under registration.
- No meter registration.
- Incorrect reading/calculation.

Billing complaints and/or disputed bills will be reviewed by the WPCA and the applicable provisions of PURA Regulations (Section 16-11-77 and Section 16-3-100). 
