

WAYLAND BOARD OF HEALTH

REGULATIONS FOR ON-SITE SUBSURFACE SEWAGE DISPOSAL SYSTEMS AND WASTEWATER TREATMENT FACILITIES

I. PURPOSE AND AUTHORITY

The Town of Wayland is committed to protecting public health, safety, and the environment. Effective care of onsite subsurface sewage disposal systems (“systems”) and other decentralized wastewater systems is essential to keeping this commitment. The Town will continue its regulation of these systems in a fair, reasonable, and cost-effective manner to ensure they are well managed and that system owners have the information and tools necessary to protect their private investment and the public good.

This regulation is promulgated pursuant to the authority granted to the Wayland Board of Health (henceforth “BOH”) by MGL Ch. 111, S. 31 and MGL Ch. 111, S. 127.

II. APPLICABILITY

The provisions of this regulation shall not limit the authority of the BOH or its agents to require inspections or otherwise exercise their authority pursuant to 310 CMR 15.00 Title 5 of the State Environmental Code (referred to in this document as the “State Code” or “Title 5”) and/or MGL Ch. 111, as they deem necessary. The design of a septic system must meet the minimum requirements of the State Code. Wherever this regulation is more stringent than the State Code, this BOH regulation shall prevail.

This regulation supersedes and replaces all earlier On-Site Subsurface Sewage Disposal System and Wastewater Treatment Facility Regulations adopted by the BOH.

No system or facility to be used for treating, neutralizing, stabilizing, or disposing of wastewater from homes, public buildings, commercial or industrial buildings, or any other types of establishments, shall be located, constructed, altered, repaired or installed until a permit for such location, construction, alteration, repair or installation has been issued by the BOH.

No building permit for a proposed new construction project shall be approved until the BOH has deemed the proposed lot as suitable for human habitation and a Disposal Works Construction Permit (submitted on a form supplied, reviewed, and approved by the BOH) has been issued (if required).

No occupancy permit shall be issued for any new dwelling, or other building to be inhabited, until the BOH has approved such dwelling or other building, and the lot, as suitable for human habitation.

III. DEFINITIONS

When not defined in these regulations, Title 5 definitions apply.

A. Upgrade: The term “upgrade” shall mean:

1. The upgrade, repair or replacement of an existing subsurface sewage disposal system or its components, either partially or fully, which does not result in an increase in the actual or design flow to the system or to any nonconforming system or any system above the existing approved capacity.
2. The replacement of an existing building, either partially or fully, which in the opinion of the Health Department, does not result in an increase in the actual or design flow to the system or; to any nonconforming system, or is not above the existing approved capacity (no additional rooms or

bedrooms above capacity), and where the proposed project does not create a condition requiring a variance from the State Code or these regulations.

See “**Hardship Determinations**” for potential exemption situations.

B. New Construction: The term "New Construction" shall mean:

1. the construction of a new building(s); or to replace an existing structure;
2. the addition of room(s), bedrooms, or other finished & permanently heated area which will result, in an increase in the actual or design flow above the existing approved capacity.
3. the change of use of an existing building resulting in an increase in the actual design flow above the existing capacity.
4. the construction of new, residential additions/modifications which propose to add heated and finished living area of sixty (60%) percent or greater than the original dwelling's existing living area.

EXEMPTION for proposed additions 60% or greater: A septic system designed, approved, and installed in compliance with today's local and Title 5 standards, including soil testing performed in 1995 or later, shall not need to be altered if an addition to a house is proposed with added living area that is sixty (60) percent or greater, or where a change of use is proposed, as long as there is no increase in the actual or design flow above the existing approved capacity. A current Title 5 system inspection may be required (to ensure that the system is in proper working order).

C. Hardship Determinations:

1. A hardship may occur when a system serving an existing property fails and an Upgrade is proposed where no increase in the approved gallons per day (gpd) is proposed, and conditions prevent a replacement septic system from being designed in full compliance with the State Code or these regulations.
2. Construction projects that create the need for a variance from State and/or local regulations are not considered hardships and are not allowed. In these cases the applicant must demonstrate that their system can be modified to be in full compliance with today's subsurface sewage disposal standards.

D. Home Office/Library/Study/Room, Etc. (as they relate to septic design flows and building permits):

1. A Room is defined as an individual separated area, either fully or partially enclosed, of a residential dwelling, that is both permanently & mechanically heated, is at least partially finished, and used for either living, cooking, or sleeping purposes.
 - a. Areas that are not considered rooms and are excluded from total dwelling room counts include areas containing toilets, or bathtubs, or showers, and areas used as pantries, foyers, communicating corridors, and closets.
2. Rooms intended to be utilized as home offices, libraries and/or studies:
 - a. A proposed home office, library, study, etc., may not contain a closet.
 - b. A room that fits the Title 5 Bedroom definition, that also contains a closet, shall be presumed to be a bedroom for the purposes of State and Local septic system design and building permit processing requirements.
 - c. One home office or library or study, without a closet, that fits the Title 5 Bedroom definition may be allowed in a single family, residential dwelling when its use is solely for that dwelling's residents and where no outside individuals are employed.

E. Periodic Flooding

Periodic flooding shall mean the flood elevation or the elevation of the accumulation of surface water in any area (isolated or bordering a resource area). The elevation is determined by FEMA for a 100-year storm event and as depicted on the Flood Insurance Rate Maps (FIRM).

IV. PERMITTING PROCESSES

A. Obtaining a Disposal Works Construction Permit and Design Information;

1. **Application and Fee-** A completed Application For Disposal Works Construction Permit and required fee for septic system lot testing must be submitted to the BOH office (see fee schedule).
2. **Soil Testing-** For new construction or replacement systems, the Applicant shall hire a Professional Engineer or Registered Sanitarian (i.e. “Septic Designer”), who shall contact the Health Department office to schedule a soil testing date with the Health Agent once the application & fee(s) have been received by the Health Department. For large projects (subdivisions, developments, etc.), the Septic Designer shall contact the Health Department office for a pre-soil testing discussion.
3. **Plan Submittal-** Five (5) copies of the septic designer’s prepared plans and reports must be submitted to the Health Department office. The plans must include all required data, and be designed in accordance with Section V of these regulations.

All plans must be stamped and signed by a Registered Professional Engineer, Registered Sanitarian, (and if required a Registered Land Surveyor), one plan must bear an actual wet stamp & wet signature. This shall serve as certification that the plans and specifications reasonably represent existing and proposed conditions and that the plans and specifications have been completed in accordance with local and state regulations (unless otherwise noted).

If a **variance or waiver** from either Title 5 or these Town regulations is being requested which necessitates a BOH meeting to process, six (6) copies of the plans and any associated supporting materials must be submitted.

4. **Plan Review & Approval-** The BOH, or an Agent thereof, will review the plans and the septic designer will be notified of any comments and/or revisions required. If approved, the Disposal Works Construction Permit and three (3) approved copies of the plans will be provided to the applicant to obtain installer bids. Should the plans be denied, the Septic Designer and/or the Applicant will be notified, in writing, of the reason(s) for denial. Large projects, with complex designs, may require review by an outside consultant at the applicant’s expense pursuant to G.L. c. 44, §53G. An applicant aggrieved by the BOH’s selection of an outside consultant may appeal that selection to the Select Board. The grounds for such appeal shall be limited to whether the consultant has a conflict of interest or lacks the minimum, required qualifications to perform such work.

B. Licensing of Septic Installers:

Any person intending to install a septic system in the Town must be licensed by the Health Department. Wayland licenses individuals to install septic systems (“Installers”) as there are no company-wide, blanket licenses covering other company workers. The licensed Installer of record must supervise the construction of the septic project from beginning to end. A license may be issued only by the BOH to persons deemed qualified to perform such work in a responsible and professional manner.

Additional requirements for all applications must include:

- A minimum grade of 80% on a written test administered by the BOH
- Previous related experience
- Three positive references from other Boards of Health
- Other references may be deemed necessary by the BOH

Installer’s Licenses may be renewed annually unless revoked for cause by the BOH or Health Director. The BOH reserves the right, through a hearing process, to suspend, revoke or refuse to renew an Installer’s License of any person who violates any provision of its regulations or engages in negligent or fraudulent activity. A petition for reinstatement may be brought before the BOH for consideration. Should a previously licensed Installer let their permit expire/lapse for more than two (2) years, the BOH reserves the right to require new, current qualifications described above before a license may be issued.

C. Permitting of Septage Pumpers & Haulers

No individual shall engage in the pumping and/or hauling of septage, sewage, or wastewater system residuals from any onsite wastewater systems, portable toilets, or wastewater treatment facilities within the Town of Wayland without first being granted a Septage Hauler Permit by the Wayland BOH.

Septage Pumpers & Haulers Licenses must be renewed annually unless revoked for cause by the BOH or Health Director. The BOH reserves the right, through a hearing process, to suspend, revoke or refuse to renew an Installer's License of any person who violates any provision of its regulations or engages in negligent or fraudulent activity. A petition for reinstatement may be brought before the BOH for consideration. Should a previously licensed Septage Pumper or Hauler let their permit expire/lapse for more than two (2) years, the BOH reserves the right to require new, current qualifications described above before a license may be issued.

V. SEPTIC DESIGN REQUIREMENTS

In addition to the requirements of 310 CMR 15.000, the requirements of Section IV.A.1-4, above, and the items listed below apply to all septic systems:

- A. Names of all direct abutters from recent tax maps including lot, street number, and address.
- B. Surface Grading and Drainage: Sufficient additional elevations shall be shown to clearly indicate how surface drainage is to be managed.
- C. Tanks, Pump-Chambers, Grease Traps, And Distribution Boxes:
 - 1. All tanks, pump chambers, and grease traps must be monolithic
 - 2. All septic tanks must contain two compartments, or two tanks in series may be utilized to satisfy this requirement.
 - 3. Gas baffles are required on all outlet tees, even when an effluent filter is present, unless the specific filter housing does not allow it.
 - 4. Distribution boxes shall be capable of withstanding H-20 loads, shall have a minimum of a two-inch thick sidewall, and access covers shall also be raised to within six inches of finished grade with a watertight riser and cast iron manhole frame cover that are a minimum of 20 inches in diameter.

D. SOIL ABSORPTION SYSTEMS (SAS) LEACHING FACILITIES, AND OFFSETS

- 1. **Volume of Sanitary Sewage:** The volume of daily sewage flow shall be determined as per 310 CMR 15.000, with the following exceptions:

New Construction, Residential Dwelling Units (per bedroom)	165 Gal/day
Hardships-Upgrade, Residential Dwelling Unit (per bedroom)	110 Gal/day
Full Food Service Establishments (Restaurants)	52.5 Gal/seat
Fast Food Establishments (restaurants)	30 Gal/seat

- 2. **Intermediate Filter Layer:** A minimum six-inch intermediate filter layer of medium-to-sharp/coarse Title 5 sand or ASTM C-33 sand shall be installed in the last six inches beneath the leaching facility when the underlying, natural soil is not a Class 1, coarse-sharp sand or gravel, or where the percolation rate is greater than five (5) mpi.
- 3. **Mounding Calculations:** For systems with a design flow of 1,000 gpd or greater, the separation distance to the high groundwater elevation shall be determined by adding the effect of groundwater mounding to the high groundwater elevation as determined pursuant to Title 5. Groundwater mounding calculations shall be submitted to the Board of Health for review with plan submittal.

4. **Expansion/Reserve Area Trench Spacing:** The minimum clear distance between leaching trenches shall be ten feet when the space between the trenches is utilized as expansion area and these expansion/reserve trench area shall be centered in between the active trenches.
5. **Venting:** Differential Venting to the atmosphere is required for all leaching facilities.
6. **Chambers, Galleries & Pits:** A velocity reducing tee shall be provided and a concrete splash pad centered beneath the inlet pipe of all Chamber, Gallery and Pit structures. Each individual group of pits must have a riser installed to within 9 inches of final grade.
7. **Offset Distances:** The minimum offset distances to an SAS shall be in accordance with 310 CMR 15.211, Title 5, and as follows:
 - a) Irrigation only, or closed loop geothermal wells, to all leach areas shall be 50' feet.
 - b) Drinking water or open loop geothermal wells to all leach areas shall be 100' feet.
 - c) No leaching facility having a design flow of 1000 gpd, or less, shall be constructed within 75' feet of any pond, stream, brook, river, swamp or Wetland Resource Area (as defined in 310 CMR 10.00, or the Town of Wayland Wetlands Bylaw), whichever is more stringent. The distance shall be 100' feet for facilities with design flows greater than 1000 gpd.

These offset distances may be increased by the BOH for higher volume sewage discharges depending upon the particular site's circumstances.

E. PASSIVE & ACTIVE INNOVATIVE & ALTERNATIVE (I/A) TECHNOLOGY

1. All proposed I/A septic system treatment technologies shall be MassDEP approved for General Use.
2. Remedial Use technology will/may only be considered by the Director for Upgrades, and Maximum Feasible Compliance situations.
3. Technologies in the Piloting or Provisional Use programs, or that have not received MassDEP approval are not allowed.
4. All proposed I/A Technologies for Residential purposes must be designed and sized at a minimum of 165 gpd per bedroom where applicable.
5. Operation and Maintenance (O&M) contracts for active I/A technology must be in place for the life of the system. For new systems a contract for a minimum of two (2) years must be in place prior to sign off of the Certificate of Compliance.
6. If a garbage grinder is proposed, there will be no square footage reduction allowed from the respective state approval letter.

F. GRADING, FLOOD PLAINS AND LAND SUBJECT TO FLOODING

1. The applicant shall provide a floodplain elevation (as per current Middlesex County Flood Insurance Rate Map (FIRM)/or Federal Flood Zone) and show the extent of the floodplain on the septic design plans. Septic systems designed in these areas must be reviewed by the Conservation Department.
2. All new construction lots shall be graded so that surface water does not accumulate around a building or impact the performance of the septic system. Surface water shall not be directed onto an abutting property as to create an adverse drainage and/or nuisance condition. It is the responsibility of the installer to ensure grading complies with the approved septic design before the Certificate of Compliance is issued. It is also the responsibility of the design engineer to verify this grading information during their final inspection(s) and include it on the final engineered as-built certification plan. The property owner must maintain the minimum Title 5 required grading to prevent a nuisance and/or adverse impact on their own or an abutter's property.

G. PUMP SYSTEM DESIGNS

1. **Dosing Tanks and Pump Chambers:** A dosing tank or pump chamber shall be provided for all leaching systems where the volume of waste to be disposed of is in excess of 1000 gpd or where multiple soil absorptions systems are proposed.
2. **Distribution boxes** shall be "back vented" to the second compartment of a multi-compartment tank (or the secondary tank when two tanks are used in series) with the same diameter pipe as the distribution system.

H. HYDROGEOLOGICAL EVALUATION

New or replacement septic projects which will generate wastewater flows of 5,000 gpd or greater shall be required to have a hydro-geological evaluation performed by a qualified engineer or geologist, at the expense of the applicant. This evaluation will be reviewed by the Board of Health to ensure that the ground and surface waters will not be compromised.

I. LOCAL REGULATION HIGHLIGHTS (Minimum Offsets, Sizing, and Other Specs)

Item	Soil Absorption System (SAS)	All Other Septic Components Containing Effluent
Wetland Resource Area as defined in 310 CMR 10.00 or the Town of Wayland Wetlands Bylaw, whichever is more stringent	If design flow is <1,000 gpd: 75' feet If design flow is 1000 gpd or >: 100' feet	25' feet 50' feet
Geothermal Heating and/or Cooling system wells (not used for drinking purposes)	Open Loop: 100' feet (primary/reserve) Closed Loop: 50' feet (primary/reserve)	Open Loop: 50' ft. Closed Loop: 25' ft.
Irrigation Wells	50' feet from primary SAS (& reserve area if designated)	25' feet
Sewage Design Flow	NEW CONSTRUCTION & UPGRADE/REPAIR Residential Dwellings: 165 gpd/BR UPGRADE/REPAIR, Residential Dwellings (if Hardship proven): 110 gpd/BR Full Food Service Establishments (restaurants): 52.5 gpd Fast Food Establishments (restaurants): 30 gpd/seat	(See "Septic Tanks")

	Minimum Design Flows for Commercial/Institutional Uses: 1.5 x Title 5 (T5)	
Groundwater (GW) mounding calculations	GW mounding analysis required for all designs of 1,000 gallons per day (gpd) and greater	N/A
Trench Spacing	10' feet between primary trenches if area in between is used as reserve (reserve trenches must be centered between primary trenches)	N/A
Septic Tanks	N/A	Residential Tank Sizing: 110 gpd/bedroom All Monolithic All Multi- Compartment (or two tanks in series) Effluent tee filter on second compartment outlet tee (or second tank outlet tee) for all Pump Systems Gas baffles on all outlet tees
Pump Chambers & Grease Traps	N/A	All Monolithic
Tight tanks	N/A	Min 2,500 gallons, All Monolithic
Under pavement or other areas expected to receive vehicular traffic	H-20 Loading	Iron Manhole Frames and Covers Raised to Finished Grade.
Distribution boxes	H-20 Loading	H-20 Loading, Covers Raised to w/in 6" of finished grade.
Intermediate Sand/Fill Layer	6" of sand (ASTM C-33 or T5) shall be installed beneath all leach areas when the underlying, receiving soil layer does not meet this criterion.	N/A
Venting	Differential Venting to the atmosphere must be provided for every SAS	All Tanks, Pump Chambers, & Grease Traps Vented to the atmosphere.

VI. SEPTIC INSTALLATION AND MINIMUM REQUIRED INSPECTIONS

- A. **System Installation:** Construction of septic systems shall only be done by individual installers who have a current Disposal Works Installer's License from the Health Department. It is the responsibility of the licensed installer to sign on to the specific job at the Health Department office as the installer of record, obtain a copy of the approved plan, and schedule a preconstruction conference with office staff. The installer is responsible for the quality of all work performed, and the quality of the materials used in the construction of the disposal system.
- B. **Inspections & Notifications:** All inspections must be requested by the Installer of record and shall be made in accordance with Section VI.B. At a minimum there shall be inspections for the following:
1. upon excavation of the tank(s), pump chamber, and the leaching area(s)
 2. once the excavation has been filled and prior to system component construction
 3. when system stone is utilized and onsite (for pipe and stone systems). A stone sample can be brought to the office
 4. when component construction has been completed and prior to any backfilling
 5. when pumps & alarms are ready for testing (for pump systems)
 6. in circumstances involving grading alterations and at the discretion and direction of the Health Agent, when the finished grading has been completed
 7. additional other inspections as required by the Health Agent

Note: Inspections shall be combined together as much as possible and the installer shall work with the Health Agent to efficiently manage scheduling.

Inspections shall be requested in accordance with the requirements of the approved plan and at the direction of the Health Agent. The entire system, including the building sewer, shall remain exposed for the final inspection prior to backfilling, and the distribution box shall be filled with water to perform a "wet test" (a five-gallon container of water shall also be provided at the distribution box site for testing purposes). **Site visits for scheduled inspections that are "not ready" may be charged an additional re-inspection fee.**

VII. AS-BUILT PLANS & CERTIFICATIONS

- A. For all septic installations and prior to the issuance of a Certificate of Compliance: **Within 30 days of system completion**, an as-built plan & certification shall be produced and submitted to the Health Department by the Septic Designer and Licensed Installer of record which contains language stating that the construction of the disposal system and the final grading have been done in conformance with the final approved plans that the materials used conform to the plan specifications, and all applicable State & local regulations unless specifically noted. Each instance of non-compliance/non-conformance shall be noted on the as-built plan and/or certification document.. Such plans and certification must show all as-built component locations (i.e. sewer cleanouts/access risers to tanks' inlet/outlets, pump chamber inlets/outlets, distribution box, inspection ports in the SAS or any other SAS access risers to pits/chambers, etc.) with dimensional ties as measured from permanent locations/structures. Additional requirements as follows:
1. Septic Installers: In all instances the installer's construction certification shall be submitted on "Form 1" as provided by the BOH. For component replacements where a septic designer is not required, an as-built plan as outlined above is required only by the licensed installer of record.
 2. Septic Designers: The required as-built component locations shall be bolded and superimposed on top of the approved plan's information and shall include the dates of all inspections performed by the certifying entity. At minimum this must include:
 - Bottom of excavation prior to any filling or system component construction
 - Final components locations & elevations prior to final backfill
 - After final backfilling to provide final above & adjacent system grading

VIII. TITLE 5 SYSTEM INSPECTION REQUIREMENTS

- A. **All properties** serviced by an onsite subsurface septic system must be inspected at time of transfer as required by 310 CMR 15.000, regardless of whether the transfer involves a bank or not, or if otherwise exempted by Title 5.
- B. **Cesspools:** When a property transfer occurs, any property served by a cesspool is considered a failed system and must be upgraded to a septic system that meets current local and State septic regulations.
 - Any non-watertight structures currently acting as a septic holding tank (usually former cesspools) are included in this regulation.
 - Existing cesspools that pass a Title 5 System Inspection are “grandfathered” and do not need to be replaced. However, they are not transferrable when a property transfer occurs and are considered failed.
- C. **All Septic Tanks** must have all compartments pumped completely of solids as a part of every Title 5 Septic System Inspection.

IX. SEVERABILITY

If any part or portion of these Rules and Regulation be adjudicated as invalid, the adjudication shall apply only to the provision(s) so adjudged, and the remaining Rules and Regulation shall be deemed valid and in full force and effect.

X. EFFECTIVE DATE

This regulation was adopted by the Wayland Board of Health at a public hearing on Month Day, Year pursuant to the authority granted by MGL Ch. 111, Sec. 31 and MGL Ch. 111, Sec. 127.

Wastewater Treatment Facilities (WWTF)

The applicant for any Wastewater Treatment Facility shall comply with all applicable FEDERAL, STATE, AND TOWN REGULATIONS. Given that these facilities are regulated and overseen by the MassDEP, Wayland Regulations are primarily limited to soil testing, the design/plan review process, inspections during construction of the facility, as-built review and certification.

Application and fee

A completed application for soil testing must be provided along with the required fee.

Soil testing

All subsurface explorations for the siting of a wastewater treatment facility, shall be witnessed by an Agent of the Wayland Board of Health.

Plan submittal

A copy of all applications, reports, plans, specifications, data and supporting documents required by these regulations or by the regulations of any other agency in connection with the approval or operation and maintenance of the subject facility shall be submitted to the Board of Health.

All materials included with the WWTF permit shall be submitted to the Board of Health at the time of submittal to Massachusetts Department of Environmental Protection. A Board of Health Wastewater Facility Construction Permit, as required under this Section, will not be issued prior to issuance of a written approval by the Massachusetts Department of Environmental Protection.

Hydrogeological investigation

The applicant shall submit a hydrogeological survey report, prepared by a qualified geotechnical engineer or hydrogeologist, to show the impact of the subsurface discharge of the WWTF on ground water. The report shall include a determination of the flow direction.

The BOH may impose additional requirements for testing/monitoring or study, for projects located in environmentally sensitive areas, resource areas, or sites of concern. Additional requirements may include the investigation and modeling for contaminants, plumes, ground and surface water impacts, and impacts on public or private water supply.

Inspections

Construction inspections for the excavation of any leaching areas, for compliance with Wastewater Facility Construction Permit conditions, shall be required to be coordinated with the Agent of the Wayland Board of Health.

Permit to operate: In Wayland an annual permit to operate is required

No system or facility to be used for treating, neutralizing, stabilizing, or disposing of wastewater from any type of establishment or residence shall be located, constructed, installed, operated, until a Wastewater Facility Construction Permit (WWFCP) for such shall have been issued by the Board of Health. No construction of any building or facility which relies upon such WWTF shall be allowed until a WWFCP has been issued by the Board of Health. No WWTF shall be placed in service, nor shall new buildings or facilities or additions to existing buildings or facilities which rely upon such facilities be occupied or used until the WBOH has issued a Certificate of Compliance and Operations Permit. Alterations or repairs must be done by a qualified contractor who is licensed/experienced in handling such repairs and any respective/required local or state permits as per state regulation.

GENERAL REQUIREMENTS

- (A) Such system or facility as regulated herein shall include, but not be restricted to: sewers serving such facility, Wastewater Pumping Stations, Wastewater Treatment Works, All Wastewater Treatment Operations, Sludge Treatment And Management, Disinfection, Advanced Waste Treatment, Subsurface Disposal And Land Treatment, Wastewater Recycling And Reuse. Any process or equipment in collection, treatment or disposal of wastewater.
- (B) All technologies or methods to be utilized by the facility owner's wastewater treatment must be MassDEP approved.
- (C) **Staffing/Operator requirements:** The operator must be certified at a level equivalent or greater than the grade level assigned by MassDEP to operate and maintain the plant. A staffing plan must be provided that includes a minimum of (2-3) hours per day, 5 days per week at the plant, holiday coverage and emergency coverage. Plans should be in place for staff to respond to an alarm condition within sixty (60) minutes. A second certified operator must be available as a backup.
- (D) **Residuals hauling:** The permit application must include information regarding who the licensed hauler is and the ultimate location for disposal of sludge and solids. The hauler shall be licensed for operation by the Wayland BOH.
- (E) **Compliance certification:** Required after installation and annually. Compliance certification must be provided by the owner/operator that the system is operating properly as designed. Certification must include confirmation that the grease trap is maintained as per Title 5.
- (F) **Grease Traps:** Evidence that the grease trap is maintained as per state regulation (pumping every 3 months or more if needed) is required to be submitted in the form of pump slips along with the Compliance certification.
- (G) **Siting requirements:** Siting requirements must take into consideration the location of the proposed facility including attention to potential odor, access and noise problems. The BOH may impose additional conditions and measures to prevent a nuisance conditions.
- (H) **Plant Design:** The plant shall be designed using current engineering guidelines and practices, and design consideration that provides for reliability and avoiding shutdowns from power outages, peak loads, equipment failure, maintenance, and repairs. The applicant will work with the Board of Health and staff regarding the overall treatment plant design and adequacy for reliability/redundancy. A peer review shall be done, at the expense of the applicant, by a consultant with expertise reviewing such technology.
- (I) **Operations Manual:** A master operations manual shall be provided and kept at the plant for the operator and a copy must be provided to the BOH office.
- (J) **Disinfection** of the effluent by ultraviolet radiation or ozonation may be required depending on the type of treatment technology and the location of the discharge being proposed.
- (K) If the Board of Health deems that the State Regulations are insufficient to protect human health and/or the environment, they may impose additional requirements beyond these regulations.
- (L) **Violations and permit revocation:** The Board of Health reserves the right to revoke a WWTF permit if conditions are warranted such as gross violations of MassDEP Regulations, or a risk to public health or environmental health.

SECTION III: SEVERABILITY

If any part or portion of these Rules and Regulation be adjudicated as invalid, the adjudication shall apply only to the provision(s) so adjudged, and the remaining Rules and Regulation shall be deemed valid and in full force and effect.

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WAYLAND BOARD OF HEALTH
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