

CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
DPH

Technical Standards 2023 Updates

Environmental Engineering Program
Environmental Health Section

2023 Technical Standards

- Effective as of: 1/1/2023
- Revised copy to correct typos posted on 1/23/2023
- Highlighted version
- [Environmental Engineering - Subsurface Sewage \(ct.gov\)](#)

Statutes, Regulations and Technical Standards for Subsurface Sewage Disposal Systems

- Technical Standards 2023 [PDF](#) (uploaded 1/1/2023, revised copy 1/23/2023) **NEW**
- Highlighted Technical Standards 2023 Changes [PDF](#) (1/23/2023) **NEW**
- Summary of 2023 Technical Standards revisions [PDF](#) (uploaded 1/1/2023, revised copy 1/23/2023) **NEW**
- Circular Letter 2022-80 Tech Standard Revisions and Webinar Training Registration links [PDF](#) **NEW**

2

Code Advisory Committee

- Process revision underway
- Last update 2018
- Postponed due to COVID and retirements
- Current Membership
 - CADH (Directors of Health)
 - CEHA (Sanitarians)
 - COWRA (Installers/Cleaners)
 - DEEP
 - DPH
 - Home Builders and Remodelers Association
 - Professional Engineers
 - Soil Scientist
 - Other invited groups (i.e. CTWWA, CT Precasters)



3

Environmental Engineering Program (EEP)

- 3 Engineers
 - Supervising Environmental Engineer
 - Env. Engineer 3
 - 1 new Engineer Intern
- 1 Environmental Analyst
 - Environmental Analyst 3
 - EA1 (vacant)



7

EEP Focus

- Wastewater: On-site Sewage Disposal (Septic Systems) (65%)
- Public Pools (25%)
- Disposition of Human Remains, Water Treatment Wastewater, Campgrounds/Recreation, Other (10%)



8

EEP Responsibilities: Wastewater

- Subsurface Sewage Disposal Systems
 - 19-13-B103 Sewage Discharges 7500 Gallons Per Day or less (effective August 16, 1982)
 - Technical Standards for Subsurface Sewage Disposal Systems (latest revision 2023)
 - 19-13-B100a Building Conversions, Change in use, Additions (effective August 3, 1998)
- Water Treatment Wastewater Discharge



9

EEP Responsibilities: Wastewater

- Enforcement
- Plan Reviews
- Investigations
- Licensing
- Product Reviews
- Legislative Matters
- Technical Assistance
- Exception Requests
- Training



10



2023 Technical Standards Updates

- Revision date: January 1, 2023
- Reference to CT General Statute Section 22a-430 (g)
- Updated the Environmental Engineering Program's email address DPH_EnvironEng@ct.gov
- Added PHC Section 19-13-B103d (d) in the Technical Standards definition is a clerical/Scrivener's error.
- Revised Table of Contents: Appendix E title: Water Treatment Wastewater Discharges to Subsurface Sewage Disposal Systems



17



Section I: Definitions {pg.11-12}

- **Building Sewer** definition: added the word "gravity"
- **Department** definition *added*
 - Department defined in PHC Section 19-13-B103b (m)
- Replaced "Commissioner of Public Health" with "**Department**" throughout Tech Standards
 - *except in cases where a regulation citation specifically cites the Commissioner*
- **Outbuilding** definition: replaced "guest houses and in-law apartments" with "accessory apartment"



13



Section II: Location of Sewage Systems {pg.13}

- Subsection A
 - Changed title: **Separating Distance to a Water Supply Well**
 - Referenced Item A in Table 1: water supply well for a SSDS installation or repair
 - An exception is required from the Commissioner pursuant to PHC Section 19-13-B103d (a)(3) if the distance cannot be achieved

A. Separating Distance to a Water Supply Well

The minimum separating distance for the installation or repair of a subsurface sewage disposal system (SSDS), except for approved SSDS piping, from a water supply well is specified in Item A of Table 1. A SSDS installation or repair that requires a variance from the minimum separating distance in Item A may only be granted by the Commissioner. An application for a variance from the minimum separating distance in Item A must be submitted in accordance with Public Health Code (PHC) Section 19-13-B103d (a)(3). The application for an exception to Technical Standard II A is available on the Department's website with guidance information, which includes reference to CT General Statute Section 19a-209c, which requires a **certified** notice to all affected well owners.

15

Section II: Location of Sewage Systems {pg.13}

- Subsection A: Separating Distance to a Water Supply Well**
 - Application for an exception to minimum separating distance for Item A in Table 1 is on the Department's website
 - CT General Statute Section 19a-209c requires **certified** notice to all affected well owners
 - Notice must include a copy of the exception application



16



Section II: Location of Sewage Systems {pg.13}

- Subsection B
 - Retitled: **Separating Distances to Approved SSDS Piping**
 - Contains all language from previous Subsection A & Table 1 not included in retitled Section A
 - Previous Subsections B, C, and D: changed to Subsections D, E, and F, respectively
 - Stipulated: SSDS piping may also be approved by the Department in an approval letter issued after the current revision of the standards.

17



Section II: Location of Sewage Systems {pg.13}

- Added new Subsection C titled: **Off-Site & Central Subsurface Sewage Disposal Systems**
- Cited PHC Section 19-13-B103d (d)
 - Requires each building be served by a separate SSDS located on same lot as building served (Off-site easement)
- Cited PHC Section 19-13-B103d (a) (2)
 - Provides for Commissioner exceptions for off-site SSDSs and central SSDSs serving more than 1 building (Central System)
- Added information about SSDS assessments for proposed new building connections to existing SSDSs

- Applications and guidance for exceptions for off-site and central SSDSs are available on the Department's website

Exception Applications

All applications are for Local Health Department use only.

We encourage documents completion and submittal utilizing the Electronic Form (eForm) or using scanned supporting documentation. Please see Circular Letter 2017-11 Water Supply and Sewerage Engineering Guidance for Off-Site and Central Subsurface Sewage Disposal Systems for additional requirements.

Central System Exceptions

Central System Exceptions Application

Central System Exceptions Form (eForm)

Local Health Department Application

Local Health Department Application Form (eForm)

Off-Site Exceptions

Off-Site Exceptions Application

Off-Site Exceptions Application Form (eForm)

[Environmental Engineering - Subsurface Sewage \(eForm\)](#)

18



Section II: Location of Sewage Systems {pg.14}

Subsection F. System Abandonment (ANY)

- Stipulated: DOH may authorize hollow sewage system structures to be filled with material other than sand or gravel (i.e. concrete) when abandoning such structures



19



Section II: Location of Sewage Systems {pg.14}

Subsection F. System Abandonment

- DOH may allow existing structures may be utilized if applicant demonstrates component is in acceptable condition and such use unlikely to cause health hazard or nuisance condition



→NO→



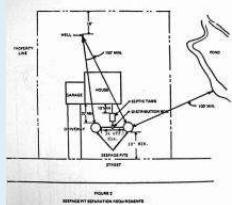
20



Section II: Location of Sewage Systems {pg.14}

- **Subsection F. System Abandonment**

- Structures (ANY) left in place shall be located on a plot plan and noted in the property file



21

Table 1 Revisions {pg.15}

- **Item H.** Storm water infiltration system (SWIS)

- Added statement to special provision #2 that distance can be further reduced to 25 feet for a minor SWIS (e.g., rain garden) with the approval of the DOH if demonstrated that the leaching system will not be adversely impacted.
- *A minor SWIS discharges storm water collected from a localized area on a property and does not include a SWIS that discharges storm water collected from large areas on a property.*



23



24

Table 1 Revisions {pg.16}



• **Item O. Utility service trench**

- Stated in special provision that the distance does not apply to electrical and alarm connections to sewage tanks
- Added **recommendation** that detectable underground magnetic tracer/warning tape be provided at least one foot above buried utility lines within 25 feet of a SSDS

O. Utility service trench (e.g., electric, gas)	§	Utility trench excavations less than 25 feet from leaching system shall not be backfilled with FDM. It is recommended that detectable underground magnetic tracer / warning tape be provided at least 1 foot above buried utility lines within 25 feet of a SSDS. Bottom line not apply to electrical and alarm connections to sewage tanks.
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25



Table 1 Revisions {pg.16}

• **Item R. Closed Loop Geothermal System**

- Reduced SSDS distance from 50 to 25 feet minimum separating distance to trench or bore hole regardless of system location on the landscape
- Reduced SSDS distance from 10 feet to 5 feet to geothermal piping to trench or bore hole (consistent with other buried utilities)

R. Closed loop geothermal system Bore hole, Trench	25	Geothermal piping excavations less than 25 feet from leaching system shall not be backfilled with FDM.
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26



DCP Regulations Revised

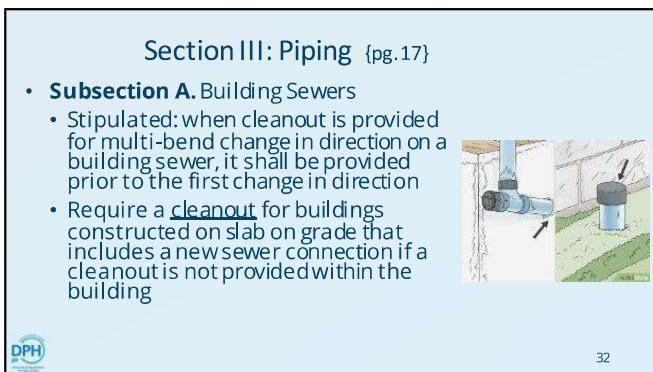
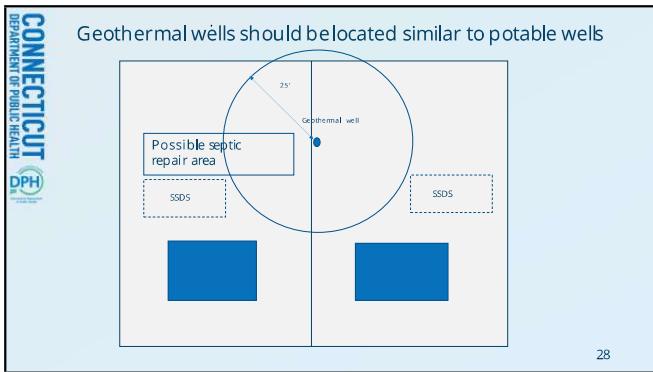
- Property line setbacks not addressed
- No consideration of the neighboring properties
- Deferred SSDS setback distances to DPH regs

<https://eregulations.ct.gov/eRegPortal/Search/getDocument?guid=006EDE81-0000-C215-9990-43B33365748E>



27







Section III: Piping {pg.19}

- Table 2:** Approved Building Sewer Pipe from Building Served to Septic Tank or Grease Interceptor Tank
 - Increased minimum pressure class of PVC AWWA C 900 pipe from 100 to 150 psi
 - 4" wide couplings are required for 6" and 8" diameter building sewers.
 - Added Gripper Gasket LLC Maxadaptor Sewer Repair Coupling to acceptable joint column

34

Section III: Piping {pg.19}

- Couplings without shear bands can be used for joint connections between cast iron pipe and the bell end of an approved PVC Schedule 40 or 80 pipe

35

Section III: Piping {pg.19}

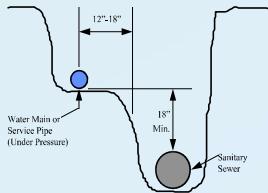


The logo for the Department of Public Health (DPH) of the Commonwealth of Massachusetts. It features the letters "DPH" in a large, bold, blue sans-serif font, with a thin green circular border around the letters. Below the letters, the full name "DEPARTMENT OF PUBLIC HEALTH" is written in a smaller, all-caps, black sans-serif font.

36

Section III: Piping {pg.19}

- Building sewers and water piping shall be installed in accordance with Section III D (p. 18)



37

 DPH
DEPARTMENT OF
PUBLIC HEALTH

Section IV: Design Flows {pg. 23 - 24}

• **Subsection A. Residential Buildings**

- Clarifying language added noting reduced design flow (75 GPD) for each bedroom beyond three in a single-family residential building does **not** apply to bedroom(s) in a residential outbuilding for central SSDS sizing purposes

Residential buildings

Design flows for residential buildings shall be based on the number of bedrooms (refer to Section D). The design flow per bedroom is 150 GPD, except for bedrooms beyond three in single-family homes that have a design flow of 75 GPD for each additional bedroom. The reduced design flow (75 GPD) for each bedroom beyond three in a single-family residential building does not apply to the bedroom(s) in a residential outbuilding for central SSDS sizing purposes.

39



Section IV: Design Flows {pg. 23 - 24}

- **Subsection C. Water Usage Monitoring and Permits to Discharge**
 - Added language to reference non-compliant ELA or MLSS leaching system repairs

C. Water usage monitoring and Permits to Discharge

Plans for large SSDs (2,000 to 7,500 GPD) shall include provisions to monitor domestic sewage generation via use of water meters or otherwise available means (e.g., pump cycle and dose volume documentation). Permits to discharge shall be issued by the DOH shall be as proposed forms (Form 100 or Form 100a) as required by the Section 33-318(b)(1). Permits shall contain standard SSDs components (e.g., septage and waste) and shall include (i) daily shall document which SSDs components were not replicated. The discharge permit shall specify the design flow and permitted flow. The design flow shall equal the permitted flow, except for leaching system repairs that do not provide the required EMA or MLS. The permitted flow for non-exempted EMA or MLS repairs shall be limited to the maximum flow rate of the EMA or MLS provided. The discharge permit shall recommend the average daily discharge not exceed 2/3 of the permitted flow after the SSDs to operate with a recommended factor of safety and to accommodate peak flow conditions.

40



42

Section V: Septic Tanks & Grease Interceptor Tanks {pg. 27- 28}

- **Subsection A. General:**
 - Tanks deeper than 24" with *existing* risers do not need to be retrofitted with a 24" diameter risers; new and repairs only



Section V: Septic Tanks & Grease Intercepter Tanks {pg. 27- 28}

- **Subsection A. General:**
 - Steel tanks, slab cover (coffin top) tanks, and any tank in poor condition are not good candidates for risers and should be replaced.



43



Secondary Safety Lid or Device

- Require a secondary safety lid or device for a riser assembly when the sewage tank cover is not left in place, regardless of weight of riser cover for all sewage tanks. (holding tank, pump chamber, grease interceptor and septic tank)
- If the tank cover is removed a secondary safety lid or device must be provided below the riser cover.



44



Secondary Safety Lid or Device

- Secondary safety devices are commercially available products for the purpose of preventing accidental entry.
- Not retroactive. Secondary safety requirements should be addressed during the planning stages of the installation. Like effluent filters, specification can be included on plans.
- Applies to sewage tanks, holding tanks, pump chambers, grease interceptor and septic tanks when tank covers are removed and a riser is utilized.



46

Secondary Safety Lid or Device

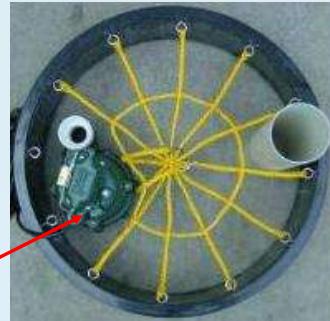
- Many commercially available products for all riser materials, including concrete.
- The secondary safety device must go between the sewage tank opening and riser cover.
- Pump chamber options: The nylon nets or straps seem to be used most often for a pump chamber. They allow for access to the pump while meeting the requirement of a safety device.



47

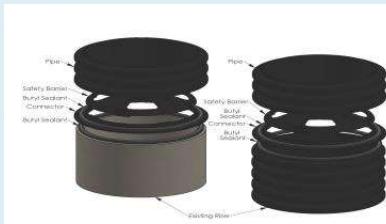
Commercially Available

- [Riser Safety Grates](http://oreenco.com)
[\(oreenco.com\)](http://oreenco.com)
- [Concrete or Plastic Septic Tank Lid Safety System | Infiltrator](http://infiltratorwater.com)
[\(infiltratorwater.com\)](http://infiltratorwater.com)
- [Safety Nets | simtechfilter](http://simtechfilterinc.com)
[\(simtechfilterinc.com\)](http://simtechfilterinc.com)



Commercially Available

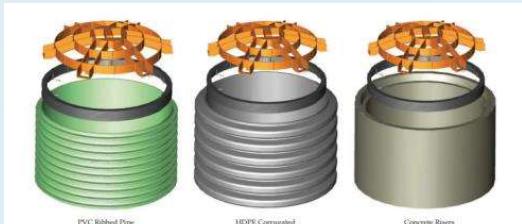
- [Riser Extension Kits \(For Existing Risers\) - Aero-Stream® LLC](#)



49

Commercially Available

- [safety screens.ai \(polylok.com\)](https://safetyscreens.ai)



50



Secondary Safety Devices



51



Secondary Safety Devices



52



Section V: Septic Tanks & Grease

Interceptor Tanks {pg. 27- 28}

- **Subsection A. General:**

- ASTM C 1227 allows oversized non-stepped covers that sit on top of tanks.
- Requires covers are prevented from lateral movement



54



The logo for the Department of Public Health (DPH) of the Commonwealth of Massachusetts. It features the letters "DPH" in a bold, blue, sans-serif font, with a green circular graphic element to the left and the full name "DEPARTMENT OF PUBLIC HEALTH" in smaller text below.

Stepped

55

Section V: Septic Tanks & Grease Interceptor Tanks {pg. 28}

- **Subsection B. Septic Tank Capacities:**

- Tank sizing for a central SSDS serving a **single-family** residential building and a residential outbuilding shall calculate the minimum required capacity based on the single-family criteria for the main house and an additional 250 gallons for each bedroom in the outbuilding
- For a single-family home with an attached or internal accessory apartment the minimum required tank capacity shall be calculated based on the single-family criteria for the main house and an additional 250 gallons for each bedroom in the accessory apartment

B. Septic Tank Capacities

1. Residential Buildings

The minimum liquid capacities/volumes of septic tanks serving residential buildings shall be based on Table 5. Septic tank sizing for a central SSDS serving a single-family residential building and an outbuilding containing a potentialdwelling(s) shall calculate the minimum required septic tank capacity based on the single-family criteria for the main dwelling and an additional 250 gallons for each bedroom in the outbuilding. For a single-family building with an attached or interior accessory apartment, the minimum required tank capacity shall be calculated based on the single-family criteria for the main dwelling and an additional 250 gallons for each bedroom in the accessory apartment.



56

Section VI: Effluent Distribution, Pump Systems & Air Injection Processes {pg. 30}

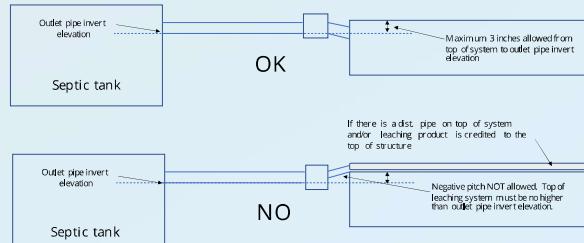
Subsection A. General:

- The septic tank outlet invert shall be set no lower than 3 inches from the top of all leaching structures
- The effluent distribution piping between the septic tank and a leaching system shall not have negative pitch



59

Diagram



60

Section VI: Effluent Distribution, Pump Systems & Air Injection Processes {pg. 31- 33}

*Buried Electric Line Be
Buried Electric Line Be*

Subsection C. Pump Systems:

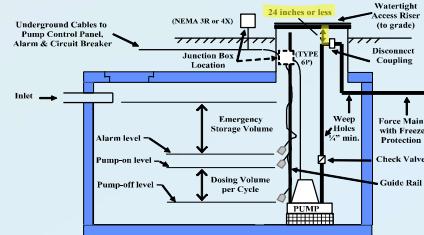
- Recommend detectable underground magnetic tracer/ warning tape be provided at least one foot above buried electric lines for the pump chamber
- A raw sewage pump force main should discharge to the septic tank via a 4-inch pipe connection to reduce velocity and solids disturbance. An inlet baffle is required for the tank at the force main connection.



61

• Subsection C. Pump Systems:

- Maximum distance from the disconnect to the top of riser is 24 inches

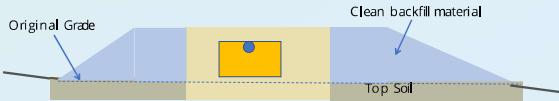


62



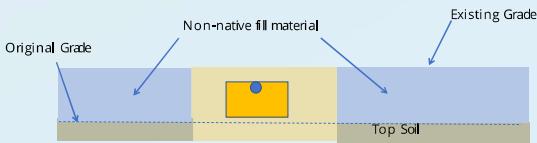
System Entirely in Select Fill

- Revised language to use the select septic fill percolation rate for systems constructed entirely in select fill where the bottom of the system is above **original** grade. Formerly "existing grade"



System Entirely in Select Fill

- Revised language to use the select septic fill percolation rate for systems constructed entirely in select fill where the bottom of the system is above **original** grade. Formerly "existing grade"



Section VIII: Leaching Systems {pg. 36 - 37}

- **Subsection A. General**
 - Lots that are to be filled to address unsuitable soil conditions shall be prepared with the necessary select fill needed for the leaching system installation, and in a manner to protect the naturally occurring soil and be stabilized to protect against erosion.



68

Section VIII: Leaching Systems {pg. 36 - 37}

- **Subsection A. General**
 - New SSDSs shall be laid out in such a manner to provide an acceptable reserve leaching area of potentially suitable soil.



69

Acceptable Soil

- SSDS shall be covered with a minimum 6-inches of **acceptable** soil
- Acceptable soil does not contain construction material, glass or rocks or other debris



71



72



Section VIII: Leaching Systems {pg. 39}

• Subsection A. General

- On sloped lots only, select fill shall be reduced to 2 feet on the sides and up gradient of the leaching system
 - 5 feet extension down-gradient sloped lots (still required)
 - 2 feet for all other extensions (up-gradient and sides on sloped lots)
 - 5 feet fill extension around the perimeter shall remain for flat lots



73

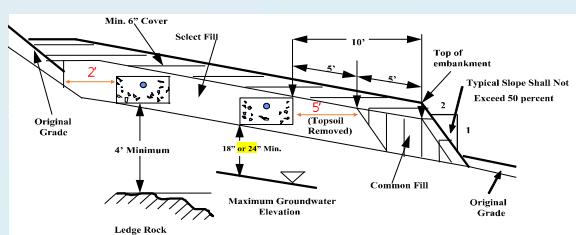


Figure 13 - Minimum Separating Distances above
Ledge Rock and Maximum Groundwater



Section VIII: Leaching Systems and MLSS {pg. 46 and 63}

- The required ELA/MLSS for each potential bedroom in a residential outbuilding shall be based on the multi-family classification



FLOW FACTORS (FF)	
Flow Factor	Design Flow (m³)
Residential (single family, attached or internal accessory apartment)	
1.0	1.0
1.2	1.2
1.4	1.4
1.6	1.6
1.8	1.8
2.0	2.0
2.2	2.2
2.4	2.4
2.6	2.6
2.8	2.8
3.0	3.0
3.2	3.2
3.4	3.4
3.6	3.6
3.8	3.8
4.0	4.0
4.2	4.2
4.4	4.4
4.6	4.6
4.8	4.8
5.0	5.0
5.2	5.2
5.4	5.4
5.6	5.6
5.8	5.8
6.0	6.0
6.2	6.2
6.4	6.4
6.6	6.6
6.8	6.8
7.0	7.0
7.2	7.2
7.4	7.4
7.6	7.6
7.8	7.8
8.0	8.0
8.2	8.2
8.4	8.4
8.6	8.6
8.8	8.8
9.0	9.0
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9.6	9.6
9.8	9.8
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10.8	10.8
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11.6	11.6
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48.8	48.8
49.0	49.0
49.2	49.2
49.4	49.4
49.6	49.6
49.8	49.8
50.0	50.0
50.2	50.2
50.4	50.4
50.6	50.6
50.8	50.8
51.0	51.0
51.2	51.2
51.4	51.4
51.6	51.6
51.8	51.8
52.0	52.0
52.2	52.2
52.4	52.4
52.6	52.6
52.8	52.8
53.0	53.0
53.2	53.2
53.4	53.4
53.6	53.6
53.8	53.8
54.0	54.0
54.2	54.2
54.4	54.4
54.6	54.6
54.8	54.8
55.0	55.0
55.2	55.2
55.4	55.4
55.6	55.6
55.8	55.8
56.0	56.0
56.2	56.2
56.4	56.4
56.6	56.6
56.8	56.8
57.0	57.0
57.2	57.2
57.4	57.4
57.6	57.6
57.8	57.8
58.0	58.0
58.2	58.2
58.4	58.4
58.6	58.6
58.8	58.8
59.0	59.0
59.2	59.2
59.4	59.4
59.6	59.6
59.8	59.8
60.0	60.0
60.2	60.2
60.4	60.4
60.6	60.6
60.8	60.8
61.0	61.0
61.2	61.2
61.4	61.4
61.6	61.6
61.8	61.8
62.0	62.0
62.2	62.2
62.4	62.4
62.6	62.6
62.8	62.8
63.0	63.0
63.2	63.2
63.4	63.4
63.6	63.6
63.8	63.8
64.0	64.0
64.2	64.2
64.4	64.4
64.6	64.6
64.8	64.8
65.0	65.0
65.2	65.2
65.4	65.4
65.6	65.6
65.8	65.8
66.0	66.0
66.2	66.2
66.4	66.4
66.6	66.6
66.8	66.8
67.0	67.0
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67.4	67.4
67.6	67.6
67.8	67.8
68.0	68.0
68.2	68.2
68.4	68.4
68.6	68.6
68.8	68.8
69.0	69.0
69.2	69.2
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69.6	69.6
69.8	69.8
70.0	70.0
70.2	70.2
70.4	70.4
70.6	70.6
70.8	70.8
71.0	71.0
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71.6	71.6
71.8	71.8
72.0	72.0
72.2	72.2
72.4	72.4
72.6	72.6
72.8	72.8
73.0	73.0
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73.8	73.8
74.0	74.0
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75.0	75.0
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75.6	75.6
75.8	75.8
76.0	76.0
76.2	76.2
76.4	76.4
76.6	76.6
76.8	76.8
77.0	77.0
77.2	77.2
77.4	77.4
77.6	77.6
77.8	77.8
78.0	78.0
78.2	78.2
78.4	78.4
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78.8	78.8
79.0	79.0
79.2	79.2
79.4	79.4
79.6	79.6
79.8	79.8
80.0	80.0
80.2	80.2
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80.6	80.6
80.8	80.8
81.0	81.0
81.2	81.2
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81.6	81.6
81.8	81.8
82.0	82.0
82.2	82.2
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82.6	82.6
82.8	82.8
83.0	83.0
83.2	83.2
83.4	83.4
83.6	83.6
83.8	83.8
84.0	84.0
84.2	84.2
84.4	84.4
84.6	84.6
84.8	84.8
85.0	85.0
85.2	85.2
85.4	85.4
85.6	85.6
85.8	85.8
86.0	86.0
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86.4	86.4
86.6	86.6
86.8	86.8
87.0	87.0
87.2	87.2
87.4	87.4
87.6	87.6
87.8	87.8
88.0	88.0
88.2	88.2
88.4	88.4
88.6	88.6
88.8	88.8
89.0	89.0
89.2	89.2
89.4	89.4
89.6	89.6
89.8	89.8
90.0	90.0
90.2	90.2
90.4	90.4
90.6	90.6
90.8	90.8
91.0	91.0
91.2	91.2
91.4	91.4
91.6	91.6
91.8	91.8
92.0	92.0
92.2	92.2
92.4	92.4
92.6	92.6
92.8	92.8
93.0	93.0
93.2	93.2
93.4	93.4
93.6	93.6
93.8	93.8
94.0	94.0
94.2	94.2
94.4	94.4
94.6	94.6
94.8	94.8
95.0	95.0
95.2	95.2
95.4	95.4
95.6	95.6
95.8	95.8
96.0	96.0
96.2	96.2
96.4	96.4
96.6	96.6
96.8	96.8
97.0	97.0
97.2	97.2
97.4	97.4
97.6	97.6
97.8	97.8

Table 9: Clarified DOH authority to grant an exception for distances specified in Table 1 for existing SSDS. {pg. 49}

Table 9

Item	Separation Distance (feet)	Special Provisions
Public or private water supply well with required withdrawal rate of:		The DOH may allow certain separation distance reductions on existing developed properties if compliance cannot be met due to site limitations. ^{(2)(2)(g)}
< 10 GPM	75	
10 to 50 GPM	150	
> 50 GPM	200	
Open watercourse	25	
Public water supply reservoir	100	
Building	5	
Property line	10	
Subsurface sewage disposal system	See Table 1 (Item Q)	



79

Section XI Non-Discharging Toilet & Sewage Disposal Systems {pg. 50}

• **Subsection C. Incineration Toilets:**

- Lowered the minimum combustion temperature from 1,400 to 1,000 degrees Fahrenheit
- Stipulated that incineration can occur when the toilet lid is open if the toilet has a combustion chamber that is separate from the collection bowl



81

Form #1 {pg. 51}

- Added installer signature and note to check identification
- An Installer must be present during the system installation

Form #1 Technical Standards for Subsurface Sewage Disposal Systems

APPLICATION FOR APPROVAL TO CONSTRUCT A SUBSURFACE SEWAGE DISPOSAL SYSTEM

Application Permit no. _____ Date _____

To the Director of Health, Town of _____

Application is hereby made for an approval to construct a subsurface sewage disposal system for a _____ (Residential Building, Residential, Retail Building, etc.)

located at _____ (Street Address, Lot Number, Subdivision Name, Map, Block, Lot, etc.)

Site System _____ Address _____ Report _____ Other _____

Owner _____ Address _____ Tel No. _____

Licensed Installer name (print) _____ Tel No. _____

Installer Signature: _____ **License No.:** _____ **Date issued:** _____

Note: Valid phone ID and DOH license number must be provided. A licensed subsurface sewage disposal system installer must be present during system installation.

Application fee paid _____ Signature _____ (Owner or duly authorized representative)



83

Forms 2 and 2a {pg. 55}

- **Form #2: and 2a:**
 - Added “based on area tested” to the unsuitable conclusion
 - Conclusion for area(s) tested

84

Form 3 {pg. 56 - 57}

- Form #3: SSDS Final Inspection Report
 - Deleted one of the two "Sieve Required (Y/N)" citations add added the word "stone" to the remaining citation
 - Added space to note type of effluent distribution pipe and joint
 - Added space to note exceptions (e.g., minimum separating distances, MLS, EIA)
 - Reformatted and added Yes / No circle options

85

Permit to Discharge Form 4 {pg. 58}

- Revised the standard reference for non-compliant repairs from Section IV D to Section IV C and added “ELA or MLSS” between “non-compliant” and “repairs”.

Form #4	Technical Standards for Subsurface Sewage Disposal Systems	11/21
PERMIT TO DISCHARGE		
<p>Approval is hereby given to _____ (Property Owner) in accordance with Public Health Code Section 19-13(B)(6)(b) to discharge to a subsurface sewage disposal system located at _____ (Street Address) in the town of _____ CT that will receive domestic sewage from a _____ Residential building containing _____ bedrooms. Single family (Y/N) _____ Residential outbuilding containing _____ rooms. Single family (Y/N) _____ Commercial office building providing _____ square feet. Other structure as described: _____</p> <p>Design Flow = _____ gallons per day. Permitted Flow = _____ gallons per day. _____ is the maximum daily flow that may be permitted, except for use-dependent 11.25 or 30.00 gallons (See Section IV C).</p> <p>In order to provide a sufficient factor of safety it is recommended that the average daily discharge not exceed 2/3 of the permitted flow or _____ gallons per day.</p>		

86

Appendix A: MLSS {pg. 59 - 61}

- Deleted the word "essentially" that was in parenthesis along with "0 percent"
- Revised title for Category 1 to only include new lot creation (removed B100a conceptual systems)
- Category 2 now allows B100a conceptual systems to utilize select fill as receiving soil

Category 2 - New SSDSs, MLSS Compliant Repairs and Conceptual B100a Areas (Code-Complying & Potential Repair Areas): Leaching system spreads shall equal or surpass the MLSS. A leaching system that is designed with the top of the system more than 12 inches below natural grade shall have receiving soil in the leaching system area measured from the top of the system to the restrictive layer (see Diagram 4).



88

Category 1 - SSDS Layouts for New Lot Creation

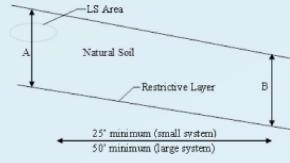
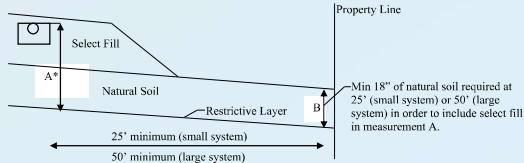


Diagram 1 - Sloped Restrictive Layer



89

Category 2 - New SSDSs, MLSS Compliant Repairs and Conceptual B100a Areas (Code-Complying & Potential Repair Areas):



*Receiving soil in LS area may include up to 24" of select fill measured from top of system if all receiving soil is on property and there is at least 18" of natural soil throughout the receiving soil.

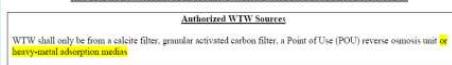
Diagram 3 - LS in Select Fill (Sloped Restrictive Layer)



90

Appendix E: Authorized Water Treatment Wastewater Discharges to SSDS's {pg. 66}

- Heavy metal adsorption medias (e.g., titanium oxide, iron oxide, activated alumina) to the list of water treatment wastewater that are authorized to discharge a SSDS.



91

Questions?



 DPH