

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH



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Environmental Health Section

Environmental Engineering Program (EEP) June 29, 2016 Code Advisory Committee (CAC) Meeting

Meeting Sign-in (Members & Visitors), Visitor Introductions, and CAC Member Updates

- CT Association of Directors of Health
- CT Environmental Health Association
- CT Onsite Wastewater Recycling Association
- CT Association of Water Pollution Control Authorities
- Department of Energy and Environmental Protection (DEEP)
- Home Builders and Remodelers Association of CT
- Professional Engineer Associations (CEPP, CSPE, CSCE)
- Soil Scientists

Legislative Updates

- Raised Bill #5180 (Concrete Foundation Documentation)/File #483 (Concrete Foundations and Septic Tanks)/Public Act #16-45 (Concrete Foundations).
- Public Act #16-215 (Building Code Adoption Process)

Water Treatment System Backwash

- February 8, 2016 DPH & DEEP Meeting with P. Hurlbut and R. Mest (Former WQA President)
- Proposed delegation to transfer permitting authority from DEEP to DPH for on-site discharges of potable water treatment system wastewater on properties with sewage disposal systems regulated by DPH and Local Directors of Health (PHC Sec. 19-13-B103/Technical Standards).
- CT Water Well Association's May 2016 monthly meeting agenda included Water Treatment Septic Discharge

Building Code Revisions

- The Office of the State Building Inspector announced its intent to adopt a 2016 CT State Building Code, and there is a 45-day public comment period beginning June 21, 2016 through the close of business August 5, 2016.
 - International Private Sewage Disposal Code not adopted/Private Sewage Systems per PHC (Building & Residential Codes).
 - Discussion on amended language in Sections 412.5 Connection Required, 701.2 Sewer Required, 1003.3 Grease Interceptors (Sizing Table 1003.3.4.1 grease retention capacities are 2 times the flow through rate), 1303.1 Subsurface Landscape Irrigation Systems (Chapter 13 Gray Water Recycling Systems) of the 2012 International Plumbing Code (IPC).
 - Section 803.2 (Neutralizing Device Required for Corrosive Wastes) of the 2012 IPC requires approval of devices to address corrosive wastes. High efficiency gas furnace condensate water applicability.
 - Further information on the proposed new building code is available at: [CT Building Code](#)



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DEEP General Permit for the Discharge of Wastewater Associated with Food Service Establishments

- EHS Circular Letter 2015-48, December 17, 2015, DEEP FOG General Permit Renewed ([FOG GP CL](#)). Fact sheet indicates FOG receiving facility list will be posted on DEEP website. Super-capacity Grease Interceptors have a grease retention capacity that is 4 times the flow through rate. Further information on the permit is available at: [DEEP](#)

DEEP General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems

- This 50-page permit, which is known as the MS4 General Permit, was issued on January 20, 2016 and is effective on July 1, 2017. The permit includes septic system education outreach requirements (page 20), and septic system failure correction actions (page 24) as part of the illicit discharge detection and elimination (IDDE) programs in areas with waters for which phosphorus, nitrogen, or bacteria is a concern. Stormwater infiltration system installations on sites with septic systems require coordination w/ health officials and such systems shall be consistent w/ the Technical Standards and PHC Sec. 19-13-B100a (page 29). Appendix B (IDDE Program Protocol) cites septic system considerations (page 4) in the recommended elements, local health oversight of septic systems (page 5) in the IDDE program responsibility section, and septic system considerations for catchment assessments are included on pages 7 and 9. The permit is available at: [DEEP](#)

Proprietary Sewage System Component Items

- Technical Standards' Appendix D (Approved Non-concrete Septic Tanks) was updated on December 17, 2015, and only IAPMO compliant tanks are listed. Updated appendix posted on DPH website.
- Plastic septic tank deformations due to improper installations
- March 30, 2016 Geomatrix GeoMat 1200 & 3900 Spacing Reduction Approval ([Geomatrix GeoMat Spacing](#)). Points: Shallow Installations, Low-pressure Dosing, Edge to Edge Criteria
- April 13, 2016 DPH response to Waste Engineering's request for rating revisions for GreenLeach Filter Non-Filter Fabric Leaching Systems ([GreenLeach NFF Ratings](#)). Request concerns cardboard interface factor.
- April 28, 2016 Eljen Mantis Double-Wide 100 & 58 proprietary leaching system approval ([Mantis Double Wide](#))
- May 12, 2016 Geomatrix non-engineered low-pressure effluent distribution design approval ([Geomatrix LP](#))
- Pending: Infiltrator Water Technologies Quick4 Plus and Arc proprietary leaching system approval

Nonpoint Source (NPS) Pollution Matters

- **2015 Long Island Sound Study (LISS) Comprehensive Conservation & Management Plan (CCMP):** The plan was released on October 22, 2015 and it sets out 20 ambitious targets to be achieved by 2035. The plan's Supplemental Documents are broken down into four broad themes and they include Implementation Actions (IAs) for the 2015 – 2019 period. Three of the themes (WW, SC, SM) include decentralized sewage system IAs based on a word search (septic, decentralized, nonpoint, and OSWTS). [WW-CCMP Supp-Doc-1 SSDS Related](#), [SC-CCMP-Supp-Doc-3-SSDS Related](#), [SM-CCMP-Supp-Doc-4-SSDS Related](#), [Public Summary Document](#).
- **EPA's Nitrogen Reduction Strategy for Long Island Sound:** December 23, 2015 EPA letter ([EPA Nitrogen Strategy Letter](#)) to CT, MA, NH, NY, and VT Environmental Agency Commissioners about a new proposed nitrogen strategy. Acknowledgment that not enough has been done to deal with nutrients (mainly nitrogen) from on-site sewage systems. 2016 EPA Overview Webinar slides and additional information is available at: www.longislandsoundstudy.net
- **Phosphorus/P.A. 12-155:** The EEP submitted March 4, 2016 comments ([Phosphorus Comments](#)) on the draft February 18, 2016 NPS Workgroup Report to the Coordinating Committee, and sent follow-up email ([Phosphorus email](#)) to the NPS Workgroup noting report's insufficient language about on-site sewage system phosphorus considerations.
- **Integrated Water Resource Management:** ([DEEP IWR Management](#))
- **Saugatuck Water Quality Symposium, February 2016:** ([Saugatuck Watershed Summary Report](#))
- **June 8, 2016 DEEP/DPH Meeting on Nitrogen and Decentralized Sewage System Matters**
- **Passive Nitrogen Reduction Systems:** Cape Cod Nitrogen Project ([CC N Project](#)), Barnstable County Department of Health and Environment's nitrogen experiment ([Barnstable Nitrogen Project](#)), Stony Brook University Nitrogen Removing Biofilters for Onsite Wastewater Treatment on Long Island ([SBU Nitrogen Removal](#))
- **New England Coastal States & Long Island Data Sharing Project:** A draft Memorandum of Cooperation for data sharing to support states' analysis and approval of advanced on-site pre-treatment units for nitrogen reduction has been distributed to the cooperating states (ME, MA, NH, RI, Suffolk County, NY). CT is not actively participating

Public Sewer Matters

- **Clean Water State Revolving Fund (CWSRF) Induced Development Guidance:** DEEP communications to DPH on the Old Lyme Beaches sewer project indicated the 1991 guidance memo ([CWSRF ID Guidance Memo](#)) is being updated to include building footprint expansion restrictive language. The Environmental Impact Evaluation (EIE) for the project

noted consideration is being given to regulation of building footprint expansions through use of PHC septic regulations. DPH has issued comments on the EIE noting zoning regulations should govern footprint expansions, and DPH noted it would be inappropriate for DEEP to impose new sewer funding restrictions that cite PHC septic regulations that aren't applicable when sewers are available.

- **State Sewer Information:** 2016 DEEP Town Sewer Info ([Sewers and WPCFs](#), [Sewer System Extent](#))

Training and Conferences

- **MLSS Seminars:** Updated power point presentations posted on DPH website
- **2016 Onsite Wastewater Mega-Conference:** October 26 – 29, 2016 in Reno, Nevada. SORA will be working with NOWRA, and other organizations (NAWT, FOWA & Western States) in the conference.
- **54th Annual Yankee Conference on Environmental Health:** September 21 – 22, 2016, Mystic, CT. ([2016 Yankee Conference](#), [Sewage Agenda](#))
- **27th Annual Nonpoint Source Pollution Conference (April 2016)**
- **2016 NEIWPC Short Course (April 2016)**

Revisions to the *Technical Standards for Subsurface Sewage Disposal Systems* (Technical Standards)

- Revisions of the Technical Standards were not anticipated to be published on January 1, 2017; however that may change depending on the outcome of the water treatment system backwash delegation. If delegation moves forward, a CAC meeting will be held focusing on water treatment system backwash matters (allowable discharges to septic systems, dedicated disposal systems, other disposal options, administrative measures, etc.).