

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH



Raul Pino, M.D., M.P.H.
Commissioner

Dannel P. Malloy
Governor
Nancy Wyman
Lt. Governor

Environmental Health Section

Environmental Engineering Program (EEP) March 2, 2017 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
- Visitor Invitations: DPH Private Well Program, CT Water Well Association, DCP Plumbing and Piping Board

Legislative Matters

- Discussion of bills: 7170 (Regional Health Districts), 6243 & 6332 (Alternative Treatment (AT) Sewage Systems), 6606 (Public Water Supply Watershed Affordable Housing Developments), 5416 (4,999 GPD to 7,500 GPD Jurisdiction Change), 5177 (International Property Maintenance Code), 411 (Gray Water Utilities), 922 (Temporary Health Care Structures), 457 (In-Law Apartments), 6465 (Pyrrhotite/Concrete Foundations)

Nonpoint Source (NPS) Pollution Matters

- **DEEP Consultant Study:** The State of Connecticut, Department of Energy and Environmental Protection, Bureau of Water Projection and Land Reuse is seeking proposals from environmental consulting firms or other qualified individuals, to conduct an assessment of onsite wastewater treatment systems (OWTS), quantify of the nitrogen loading, and propose nitrogen management options for OWTS in coastal areas of CT. The Request for Proposals and all other details can be found here: http://www.biznet.ct.gov/SCP_Search/BidDetail.aspx?CID=42023
- **The Nature Conservancy (TNC) Grant:** TNC received a grant for coastal leader outreach regarding AT systems.
- **MS4 (Stormwater) General Permit:** Meeting with Amanda Ryan (Amanda.ryan@UConn.edu), Municipal Stormwater Educator, to discuss on-site sewage disposal system related matters.

Water Treatment Wastewater

- **DEEP/DPH Delegation Agreement:** Although the draft delegation agreement to transfer jurisdiction for on-site water treatment wastewater (WTW) disposal from DEEP to DPH on sites with septic systems permitted by local health departments has not been finalized, agreement appears close. A DEEP/DPH meeting is planned to hopefully wrap up the agreement and to coordinate next steps, which include revocation of the existing LFWTW General Permit, development of regulations, and revisions to the Technical Standards. WTW ground discharges are not authorized under the latest draft. Filter options to prevent clogging of WTW Dispersal Systems to be allowed but not required.



Phone: (860) 509-7296 • Fax: (860) 509-7295
410 Capitol Avenue, P.O. Box 340308, MS #51-SEW
Hartford, Connecticut 06134-0308
www.ct.gov/dph

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Training

- **CT Private Well Conference:** March 23, 2017, Goodwin College, East Hartford, CT
- **Soils Workshop:** Tentative Dates: October 18 – 19, 2017. Set up date: October 17, 2017

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

- **Next Publication:** Revisions to the Technical Standards are now planned to be published on January 1, 2018.
- **Proposed Revisions:** A preliminary summary of proposed revisions is being prepared by EEP, and once completed it will be sent electronically to CAC and other interested parties, posted on DPH website.
- **Central System Leaching System Sizing for Single-family Homes & Residential Outbuildings:** Single-family vs multi-family category, residential outbuildings with and without kitchen, or laundry area
- **Water Treatment Wastewater (WTW):** In the event the WTW delegation transfers jurisdiction to DPH, the following tentative items will be incorporated into Section X:
 - All WTW shall be authorized to be discharged on-site, including radionuclide treatment discharges. Three WTW disposal systems available: WTW Dispersal System, Subsurface Sewage Disposal System (SSDS), Holding Tank System.
 - WTW Dispersal System storage volume: 1.5 times anticipated discharge volume, stone filled excavations provide 40% void space (storage volume) and conversion calculations for cubic footage volume to gallons to be cited.
 - WTW Dispersal System and Holding Tank System siting (minimum separating distances): sewage system: see Table 1 Item Q, property line: 15 feet*, open watercourse: 25 feet*, public water supply reservoir: 100 feet, and water supply wells*: <10 gpm: 75 feet, 10 to 50 gpm: 150, >50 gpm: 200. *Local health department can reduce distances on existing developed sites when warranted based on site limitations; however water supply well reduction only applies to private wells and a minimum distance of 25 feet shall be provided.
 - WTW Dispersal System minimum separation above: maximum groundwater: 12 inches, ledge rock: 24 inches
 - WTW Dispersal Systems and Holding Tank Systems in vehicular travel areas shall be H-20 load rated
 - WTW Dispersal System and Holding Tank Systems installations require advance approval from the local health department and 24 hour minimum advance notice shall be provided prior to commencement of installation, sketch showing proposed system and siting to establish compliance with above noted items shall be submitted, no license required for WTW disposal system installers; however installer shall be noted.
 - WTW Disposal System and Holding Tank System as-built drawings shall be submitted to local health department and local health departments may request an inspection prior to covering the WTW Dispersal System or Holding Tank System.
 - Language concerning authorized discharges to SSDSs to be updated, and WTW discharges to SSDSs shall be approved in advance by the local health department and only discharges authorized in the Technical Standards shall be authorized.
 - Pending: DPH review and approval of authorized discharges to SSDSs from Water Treatment Devices. Additional info needed on the nature and of volumes of various WTWs, especially non-softener wastewater. Review of possible WTW discharges to SSDSs to be vetted with CAC, CT Well Water Association, and other interested parties.