



# STATE OF CONNECTICUT

## DEPARTMENT OF PUBLIC HEALTH

### DPH Environmental Engineering Program

#### September 10, 2009 Code Advisory Committee (CAC) Meeting

#### CAC Member Introductions, Attendance & Member Updates

- CADH
- CEHA: Local health department involvement on DEP jurisdiction sites.
- COWRA
- CT HBA
- DEP
- Professional Engineers (CT Engineers in Private Practice, CSPE, CSCE)
- Soil Scientist

#### 2009 Legislative & Budget Updates

- Alternative Treatment (AT) Systems: Section 3 of Public Act 09-22 (Substitute HB #6539) removed 12/31/08 deadline from Subsection (a) of CGS 19a-35a for DPH to adopt regulations that establish & define categories of AT systems.
- Fees: On October 1, 2009, fee increases take effect for DPH engineered plan reviews, and for cleaner and installer licenses. New fees: Small SSDS: \$200, Large SSDS: \$675, Cleaner License: \$20, Installer License: \$ 50. Circular Letter to be issued on DPH engineering plan reviews & fees.

#### Decentralized Wastewater Management District (DWMD)

- Town of Old Saybrook's DWMD: Following DEP approval, and DPH's concurring approval, of the town's Facility Plan, the town, @ an August 11, 2009 town referendum, approved the management ordinance & bond authorization. DEP to delegate permit & approval authority for AT systems to the town. WPCA & town consultant to develop AT system siting & design criteria w/ input from DEP, DPH & Local DOH.

#### ARRA Green Project Reserve Decentralized Proposals

- Decentralized sewage system proposals: DWSRF & CWSRF (Attachments)

#### Water Supply Matters

- Lake Source Circular Letter (EHS CL # 2009-35): PHC Section 19-13-B51m doesn't allow for well permits (new) unless code complying subsurface sewage disposal system (SSDS) area or public sewers are available. Letter to be distributed at meeting.
- Private Well Report to Legislature (Section 51, PA 08-184): Report includes draft revisions to PHC Section 19-13-B51 that would enable variances to separating distance requirements for replacement wells and it requires SSDS repair area preservation. Report also discusses water treatment backwash disposal issues. Report to be distributed at meeting.
- Off-site sanitary protective radii for new public water supply wells: Section 1 of PA 08-137 includes requirements for ownership or control of the sanitary radii for new public water supply wells. PHC Sections 19-13-B100a & B103 considerations: Sewage system reviews conducted under B100a or B103 and that include a public well location with an off-site sanitary radius should not be approved unless DPH's Drinking Water Section (DWS) approves well location. Circular Letter, currently under review by DWS, to be issued.

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## **Development Practices & DPH Plan Reviews**

- Use of “condominium law” to establish unit areas that encompass the building and water supply well, and in some cases the SSDS: Recent practice to have wells classified as individual (private) wells, which eliminates need for a public water supply approved through the “certificate” (CPCN) process. SSDS issues: Separation distance to unit areas, maintenance & repairs responsibilities.
- Circular Letter to be issued to clarify that only PE plans for large system sites require DPH approval. Large system sites have at least one large (2,000 GPD or greater) SSDS. DPH approval is recommended on sites with numerous small SSDS if property owner doesn't own all SSDSs. Review fees for sites with multiple SSDSs calculated based on applicable fee for each SSDS on property.

## **Proposed Regulation Revisions, Phase II Training Field Experience & Installer Examination Matters**

- PHC Section 19-13-B103 Revisions: Two primary revisions include disciplinary provisions and CEU requirements for Phase I & II local health agents.
- Phase II candidates require documented SSDS field experience submitted by Local Director of Health.
- Installer Exam Matters: Reinstatements, System sign-offs.

## **Technical Standards (TS) Matters**

- General: Technical Standards' revision process document (attachment)
- Two inch nominal chip aggregate: Request from approved distributor to require certain proprietary leaching system companies that manufacture chamber products to accept use of such aggregate as backfill. TS currently stipulate that tire chip aggregate can only be used as backfill if authorized by company.
- Maximum effective leaching area (ELA) credit: DPH issued February 9, 2009 letter to a proprietary leaching system company that stipulates maximum ELA credit is 29.9 SF/LF until such time that crediting limitations for internal & competing biomats are finalized.
- Permit to Discharge permitted flows (GPD) for sites w/ limited or no naturally occurring soil: Potential TS revisions to MLSS criteria to address repair sites with insufficient natural soil to provide more than 50% compliance w/ MLSS. Currently MLSS's depth to restrictive layer only considers the depth of naturally occurring soil, consideration is being given to allow surrounding/receiving soil including fill material to be included in the restrictive layer depth determination on repair sites that cannot provide more than 50% compliance w/ MLSS calculated based on natural soil only. On such sites MLSS compliance can be increased to 50% maximum if it is demonstrated that surrounding/receiving soil including fill can adequately handle/disperse effluent.
- Building additions on sites w/ limited or no naturally occurring soil: The potential changes to the MLSS criteria noted in the above bulleted item could also provide some flexibility for certain building additions on filled sites, as it would affect the 50% minimum MLSS compliance cited in PHC Section 19-13-B100a (c)(2).
- Drip Irrigation: Type of low-pressure distribution. Use with existing approved leaching systems Vs stand-alone approval. Presentation by Daniel Ottenheimer, President, Oakson, Inc.

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