

I&E Committee Meeting Notes
November 6, 2012

Committee Members Present:

Tom Konsler, EH Supervisor and Chair
Tim Bannister, Operator
Cory Brantley, Installer

Wayne Jones, EH Specialist
Harold Kelly, Soil Scientist - Public
David Lindbo, Academic

Approval of Agenda and Minutes

- 1) Agenda for November 6, 2012 meeting was approved
- 2) Draft Minutes: September 7, 2012 were approved.

Old Business

- 1) Infiltrator Systems, Inc. (Dave Lentz): Application to modify existing Controlled Demonstration Approval [CDWS 2010-1](#) (Quick4 Standard Low Profile)
 - At the last meeting, the motion recommending approval of the draft based on categorizing systems within soil groups instead of physiographic regions failed as there were some associated concerns for assuring that the monitored sites had a documented water usage within an acceptable range. Infiltrator wishes to take the water use monitoring point of discussion off the table until they have some data from the field. That will facilitate a more meaningful discussion in the future.
 - At the September meeting a question arose regarding flow monitoring; i.e., what happens if water use is significantly below design. No conclusion regarding this questions was reached. Infiltrator described the difficulties of obtaining this information from systems that are not required to have operators. They wish to collaborate with counties to get more data regarding use.
 - Dave discussed some challenges in the time frame for sampling described in the draft modification includes a period during which county staff levels are typically low due to holidays. A motion was made to require monitoring as follows: Twice between December 1st and April 30th with at least 60 days between sampling events, and; once between July 1 and August 31. Motion passed.

New Business

- 1) F.R. Mahoney & Associates, Inc. (Keith Dobie): Application to modify existing Controlled Demonstration approval [CDWS 2007-02](#) (Amphidrome® Treatment System)
 - Proposed change is to revise the criteria in Table 1 (Section D.2) to indicate a *minimum surface area* instead of a *minimum diameter*. This would facilitate use of square reactors in small systems since they are less expensive and more readily available.
 - Second proposal is to size the waste vessel on the basis of flow (per graph submitted to Committee. All systems are designed by a PE (in fact, by FR Mahoney) and thus, reviewed by the company.
 - Motion made to recommend approval on the basis of these changes. Motion passed.

- 2) OWPB and Local Health Departments (Tim Crissman): Proposed Modification to the Siting Criteria for Anaerobic Drip Irrigation ([IWWS-93-1-R6A](#)) - Ultra-shallow placement below the naturally occurring soil surface
 - Proposal to allow delivery of anaerobic effluent via drip tubing installed at 1" of depth and importing suitable final cover to provide minimum 6" depth. Provides a more aesthetically pleasing install and more flexibility than areal fill systems currently required. Many sites in coastal plain would qualify for this instead of placing the line in fill which has inherent risks. Proposal meets the same requirements as those for shallow trenches.
 - The revised siting criteria would allow anaerobic drip systems to be used on sites with a separation distance of 13" from the soil surface to wetness in contrast to the current requirement of 18".
 - Committee members and observers expressed varying opinions regarding relative difficulty of installing at 1" depth and applying final cover. Concerns were also expressed about justification for reducing the minimum siting criteria on sites that currently would be acceptable only with aerobic drip.
 - Since no application had been filed, chair indicated company should do so if they wish to pursue potential modification of the innovative approval

Status of pending I and E applications

- 1) EZ Treat, Inc.: Application for Innovative Approval (Reference [CDWS 2006-2-R2](#)): Still in subcommittee
- 2) Delta Ecopod N Application for Controlled Demonstration: Still in subcommittee
- 3) Presby Environmental, Inc: Application for Controlled Demonstration: Still in subcommittee.

Addition to the agenda

The chair discussed the vacant positions on the committee (NC HBA, NCALHD, and a Trade Association) The committee agreed that a letter should be sent to the department to ask them to approach the appropriate associations to nominate potential members for consideration.

Announcements

Next tentative meeting date: Thursday December 6, 2012

Non-Committee Members in Attendance at Meeting

Trisha Angoli, DPH, EH, OWPB

Tom Ashton, American Manufacturing, Inc.

Steven Berkowitz, DPH, EH OWPB

Tim Crissman, DPH, EH OWPB

Ishwar Devkota, DPH, EH OWPB

Keith Dobie, F.R. Mahoney, Inc.

Dwayne Graham, DPH, EH OWPB

Mike Hoover, NCSU

Andrew Lake, Onslow County Health Department

Doug Lassiter, NC Septic Tank Association
David Lentz, Infiltrator Systems, Inc
Steve Levitas, Kilpatrick Townsend
Layton Long, DPH EH Section
Kevin Neal, On-Site Water Protection Branch
Bob Taylor, NC Rural Center
James Teachey, Onslow County Health Department
Danny Thornton, Brunswick County Health Department
Josh Tyson, ADS, Inc.
Bruce Withrow, Brunswick County Health Department
Tim Wood, Infiltrator Systems, Inc
Minutes taken by Nancy Deal, DPH, EH OWPB