

I&E Committee Meeting Notes
February 1, 2011

Present at the meeting:
Tom Konsler, Chairman
Tim Bannister
Cory Brantley
Toney Jacobs
Wayne Jones
Harold Kelly
David Lindbo

The minutes were approved from the December 7, 2010, meeting.

Old Business

Orengo Systems, Inc: Modifications to AdvanTex Innovative Approval (Jason Churchill and Steve Barry)

- Modifications to the approval include: different flow return configurations, modified sampling requirements, change in the pod requirements for design flow, and bleed back modifications
- Single tank system configuration is going controlled demonstration and is still in subcommittee
- Committee voted to recommend the draft for approval

Orengo Systems, Inc: Controlled Demonstration Application (Jason Churchill and Steve Barry)

- The single compartment tank configuration has been removed from the application, as well as the EZ Pack, and the 1/8-inch effluent filter
- In Section C.5, the ORC can pull the samples (currently written as third party evaluator)
- Need to specify a minimum requirement for each of the different pump flow rates (number of units installed)
- The configuration with the shared liquid level in the tank compartments was removed
- The wording in Section A.4 needs to be reviewed and revised to be in compliance with the laws and rules
- In Section A.6, need to specify that the larger cartridges are used with the larger pump flows
- In Section C.3 need to specify the sampling to occur at the one year and two year anniversary (sample should not be taken immediately after installation)
- The sampling protocol in the approval should be the same as the sampling protocol for the data provided to the Committee during the application process
- Committee voted to recommend the draft for approval with the following modifications:
 - o Sampling will occur every six months
 - o Data logging or telemetry will be provided with every system
 - o All sites must have enough area for a pump tank to be installed at the site
 - o A statistical analysis will be provided showing the data meeting the 80% power and a 95% confidence interval
 - o The same sampling protocol used with the data submitted must be used for the data collected in the approval
 - o Samples must meet BOD₅ of 214 mg/L and TSS of 55 mg/L
 - o With the three filter sizes and four pump sizes, a minimum number of each configuration must be installed with the required data prior to requesting Innovative Approval
 - o The ORC can take samples
 - o Section B.7.c is removed from the approval

Advanced Drainage Systems: Modifications to Innovative Approval (Dick Bachelder)

- Addition of low profile chamber to Innovative Approval
- Structural testing was redone with a third party witness
- Committee voted to recommend approval pending final structural review by staff

New Business

Advanced Drainage Systems: Modifications to Innovative Approval (Dick Bachelder)

- Requesting modification to the approval to allow local health departments to approve other pressure dissipation methods than those specified in the design manual
- Referred to Section staff to work out the details of approved pressure dissipation methods and alternates in design manual

- Requesting removal of requirement for venting from Innovative Approval
- Committee voted to recommend modifications to approval

Announcements

The next Committee meeting will be Tuesday March 8, 2011, starting at 10 am, at a location to be determined

Non-Committee Members in Attendance at Meeting

Dick Bachelder, Advanced Drainage Systems

Steve Barry, AQWA

Steven Berkowitz, On-Site Water Protection Section

Ben Berteau, Infiltrator Systems, Inc

Doug Cline, Drillers Service, Inc

Robert Crissman, Bord na Mona

Kevin Demers, Infiltrator Systems, Inc

Ishwar Devkota, On-Site Water Protection Section

Michael Halas, Spectrum Environmental

Todd Harrell, Orenco Systems, Inc

Mike Hoover, NCSU

Kevin Jehl, Advanced Drainage Systems

Doug Lassiter, North Carolina Septic Tank Assn

Ted Lyon, On-Site Water Protection Section

Lorrie Pocher, On-Site Water Protection Section

Sushama Prdahan, NCSU

Nathan Primm, Advanced Drainage Systems

Eddie Stallings, Stallings Company, Inc

Lee Starks, Advanced Drainage Systems

Debra Stringer, Carolina Stalite Co

Bob Uebler, On-Site Water Protection Section

Sarah Wheeler, Soil Services, PLLC

John Williams, Porters Neck Projects

Tim Wood, Infiltrator Systems, Inc

Wayne Ziegler, Wastewater Innovations

Minutes taken by Tricia Angoli, On-Site Water Protection Section

These minutes were adopted by the Committee August 2, 2011.