

I&E Committee Meeting Notes
June 3, 2014

Present at the meeting:

Edwin Stott, Chairman
Cory Brantley
Wayne Jones
Harold Kelly
Andy Smith

Committee voted to approve minutes from the May 6, 2014 meeting

Committee approved the agenda for the June 3, 2014 meeting

Old Business

Review and Discussion of Monitoring Results for Quick4 Plus Standard LP chamber (CDWS-2010-1) *Dave Lentz (Infiltrator Systems, Inc.) and Sarah Menser (Soil Services, PLLC) – Third-Party*

Dave Lentz:

- Retract statement made at the May meeting that they were going to abandon further work in the Piedmont (only about 8 sites currently that qualify), will continue to work on the controlled demonstration for the Piedmont
- Focus on the coastal area
- Propose to modify existing innovative approval (IWWS-2010-1) for Quick4 Plus Standard LP chamber to allow innovative installations in the coastal area only (proposed draft IWWS-2010-1-R1)
 - Proposal includes a table listing the counties where this type of installation would be allowable, the counties are indicated as “coast only” by the NC Geologic Survey
 - Added an allowance for 20” of suitable soil in Group III-IV soils and 26” in Group I soils. Basically a specific condition for a shallow vertical profile added into this approval
- Propose to modify existing controlled demonstration approval for the Infiltrator Quick4 Plus Standard Low Profile (LP) Chamber (CDWS-2010-1) to separate it into one for the piedmont and one for the coastal area.
 - Scope in both would be the same, but would allow recognition of the data on hand for the coast
 - Scope is written so that the compliance requirements would be satisfied by the data collected to date
 - Revisions to existing controlled demonstration approval to be criteria specific to coastal plain geographic region
- Propose same revised compliance requirements in the piedmont scope
- Hydraulic performance study [10:58]
 - Attempt to show a different way to look at the performance of the system other than what was stipulated in the existing approval scope.
- Existing approval requires samples to be collected one during March, one during July, and one during December; defines the wet season as beginning January 1 and ending April 30
- Request to not collect data in the required second and third periods (July and December)

Sarah Menser: Summary of the data presented at the May 6, 2014 I & E Committee meeting

- Recapped third-party study of the data from fifty-five (55) Coastal Plains sites
- Proposed if double the number of systems, could conclude study in a single wet season

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- Emphasized ponding heights below 5" depth, vast majority were between 0"-1"
- All fifty-four (54) sites met the criteria
- Went from having twenty-one (21) sites to fifty-four (54) sites
- Went back and re-evaluated the eleven (11) sites with 2" or more; there was one site that was evaluated a third time
- Wettest season ended up with lots based on LTAR and age; looked for loading rates representative of coastal plains. 75% of the system were 1-2 years in age, 0.25-0.8 LTAR range
- Precipitation majority of rainfall (> 1.3" of 1.6") in first data collection day, March 7, 2014
- No sites with surfacing effluent; no homeowner interviewed indicated they had had surfacing
- Pump systems were 100% compliant
- Abnormally wet season
- Recommendation at the May 6, 2014 meeting was to move forward with the approval for the coastal plains area; additional monitoring is superfluous

Steve Levitas: Not asking to establish how the Committee modifies the controlled demonstration, asking for an ad hoc decision that is fair, rational, and reasonable.

Edwin Stott expressed concern about the method used to monitor and evaluate ponding levels in wastewater dispersal field trenches. A suggestion was made to revisit the method.

Trish Angoli indicated the draft approval utilized NSF testing procedure protocols available at that time.

Steve Levitas asked the Committee and Division to revisit the decision on the three data points (March, July, and December monitoring).

Cory Brantley responded that Tom Konsler (Past-Chair) was adamant about the three data points because of a concern about ponding over a period of time.

Edwin Stott: The request presented to the Committee is to (1) split controlled demonstration approvals to separate coastal plain and piedmont; and (2) pursue innovative approval for the coastal plain at this time and continue under the controlled demonstration in the piedmont.

Steve Levitas: Just one slight refinement on that, as Dave said it is a two-step process to get to innovative. A year ago we asked you to by-pass controlled demonstration and go straight to innovative, a modification innovative approval based on the process we are doing now. So we are actually asking that you modify the controlled demonstration first so that we will have satisfied the requirements of the controlled demonstration and therefore qualify for innovative. So it is a different request than the request we made a year ago

First motion made by Harold Kelly for Committee approval of the revised Quick4 Plus Standard LP chambers controlled demonstration approval separated, one revised controlled demonstration approval for the coastal plain and one for the piedmont. Motion seconded by Wayne Jones. A vote on the motion to approve separate, as written, the controlled demonstration to the coastal plain and piedmont was called for by Edwin Stott. The motion carried.

Second motion made by Harold Kelly for Committee approval of the coastal plains controlled demonstration move to innovative. Motion seconded by Wayne Jones. A vote on the motion to move the coastal plain controlled demonstration to innovative was called for by Edwin Stott. The motion carried.

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Clarification Points:

- The appropriate applications and fees need to be submitted to the Branch
- Infiltrator proposal is to modify the existing controlled demonstration so that the controlled demonstration protocol for the coast matches their study and to separate the application for controlled demonstration in the piedmont
- Same protocol for the separate controlled demonstrations (coast; piedmont)

Infiltrator chamber endcap footprint area nitrification trench credit - final linear foot ratings assigned to the various chamber end cap models *Dick Bachelder - Infiltrator Systems, Inc.*

Infiltrator has revised the chamber endcap footprint area nitrification trench credit proposal to reflect rounded values for the final linear foot ratings assigned to the various chamber end cap models as requested in the May 6, 2014 Committee meeting. The formal request is framed in linear feet of credit per endcap.

Motion made by Harold Kelly for Committee approval of the revised endcap sizing with the linear foot adjustments and the exception of consecutive endcaps being given credit. Motion seconded by Edwin Stott. A vote on the motion to approve the revisions was called for by Edwin Stott. The motion carried.

New Business

None

Status of Pending I and E Applications

- Infiltrator Systems, Inc. (ISI): Application for Innovative Approval for the Quick4 Plus Standard LP chamber (IWWS-2010-R1); Approval is still within the Branch who await completion of monitoring required as part of CDWS-2010-R1)
- Infiltrator Systems, Inc. (ISI): Amended request to modify existing Innovative Approvals to include credit for endcap footprint for IWWS-1993-02-R13, IWWS-1997-02-R10, and IWWS-2010-01; Working with the Branch to establish final chamber end cap ratings for Committee review
- Orenco Systems, Inc.: Application for Innovative Approval for AdvanTex® wastewater system models AX20RT and AX25RT; Branch is working with Orenco to edit and reformat to the Draft Innovative Approval.
- Presby Environmental, Inc.: Application for Innovative Approval for Presby Advanced Enviro-Septic (AES) System; Subcommittee to meet again

Lorna Withrow: The two Clearstream revised controlled demonstration approvals were sent out Monday, June 2, 2014 via the listserv so participants should hopefully be receiving them in the next week depending on the server and the buffer.

All pending approvals discussed.

Announcements

The next Committee meeting will be Tuesday August 5, 2014, starting at 10 am, Cardinal Room, 5605 Six Forks Road, Raleigh, NC

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Non-Committee Members in Attendance at Meeting

Sarah Menser, Soil Services, PLLC
Tom Ashton, American Manufacturing Company, Inc.
Steve Barry, AQWA
Woody Woodard, Infiltrator Systems, Inc.
Dave Lentz, Infiltrator Systems, Inc.
Tim Wood, Infiltrator Systems, Inc.
Jessica Barringer, Infiltrator Systems, Inc.
Dick Bachelder, Infiltrator Systems, Inc.
Steven Levitas, Kilpatrick Townsend
Doug Lassiter, NCSTA
Steven Berkowitz, OSWP
Ishwar Devkota, OSWP
Nancy Deal, OSWP
Sushama Pradhan, OSWP
Tricia Angoli, OSWP
Lorna Withrow, OSWP

Meeting recorded by Joanne Rutkofske, OSWP