

**I&E Committee Meeting Notes**  
**May 6, 2014**

**Present at the meeting:**

Edwin Stott, Chairman  
Cory Brantley  
Toney Jacobs  
Harold Kelly  
Shankar Mistry  
Andy Smith

Committee voted to approve minutes from the April 1, 2014 meeting

Committee approved the agenda for the May 6, 2014 meeting with the following modification: Dave Lentz (Infiltrator Systems, Inc.) will speak about the Infiltrator chamber endcap footprint area nitrification trench credit instead of Dick Bachelder.

**Old Business**

Presby Advanced Enviro-Septic (AES) System Subcommittee Update *Steven Berkowitz (OSWP)*

- Subcommittee met on April 15, 2014 (all subcommittee members in attendance)
- Presby has decided to amend their draft approval to also request approval at the TS-I Standard level.
- Presby is assembling information and another subcommittee meeting will be scheduled to review that information
- Correspondence between ISI and Presby (Levitas and McCauley) addressing questions about the draft approval to be addressed during the review
- Next step is to schedule another meeting and hopefully make a recommendation to the full Committee.

Orengo AX20RT and AX25RT Subcommittee Update *Steven Berkowitz (OSWP)*

- Full committee recommended moving forward at the April 2014 meeting.
- The Branch is working with Nick Noble and Todd Harrell (Orengo) to edit and reformat the draft approval.
- Subcommittee may send draft approval come back to the full committee when above is accomplished to allow final review.

Infiltrator chamber endcap footprint area nitrification trench credit *Dave Lentz (Infiltrator Systems, Inc.)*

- Currently no recognition/credit given for the footprint of the endcap as part of the trench nitrification area for chambers
- Infiltrator Systems, Inc. made formal application for modification of three applicable approvals: IWWS-1993-02-R13, IWWS-1997-02-R10, and IWWS-2010-01
- Cory Brantley requested that endcap credit numbers be expressed as even numbers to simplify calculations for installers and LHD personnel
- Dave Lentz says that the company will clarify linear-foot credits if end cap is used for a center-feed configuration.
- The company will make modifications to the end-cap linear footage table

Motion by Toney Jacobs to approve endcap sizing with the linear foot adjustments; Cory Brantley seconded the motion; Motion carried unanimously. Company will propose simplified sizing credits for consideration by Committee.

Findings Report for Quick4 Plus Standard LP chamber (CDWS-2010-1)  
*Sarah Menser (Soil Services, PLLC) – Third-Party*

*Dave Lentz (Infiltrator Systems, Inc.) and*

Dave Lentz:

- Discussed differences between controlled demonstration (CDWS) and innovative approval (IWWS) requirements
- Report does not include systems installed in the Piedmont; only focused on systems installed in Coastal areas

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- A report by Dr. Jerry Tyler on system hydraulic performance has been offered as an answer to questions posed relative to the application for Innovative status (IWWS-XXX) and during the April 13, 2013 I & E Committee meeting.
- Requested how to go from CDWS to IWWS without having to perform additional monitoring required in the CDWS approval.
  - CDWS requires minimum of 21 sites per physiographic province and three (3) survey periods - one during the wet season, one during August, and one during December.
  - They wish to remove requirements for August and December sampling so they increased the number of monitored coastal plain sites.
  - Identified fifty-five (55) sites in the Coastal Plain that were accessible and not vacant;
  - Posed question of providing (3) snapshots on twenty-one (21) sites or one (1) snapshot on fifty-five (55) sites plus a couple of extra on sites that had more ponding?
  - Maintained that it is a more robust data set if they provide more sites; get more information, there are more LTARs, a wider variety of water use, and a broader footprint in terms of where you're looking at these sites.
  - Wondered what more will be gained in August as opposed to April when it was higher than normal rainfall in Onslow County
  - Propose conversion to innovative based on the data they have presented.
  - Want to abandon the Piedmont, focus on the Coastal Plains for Innovative
- More than fifty-five (55) sites met the > 1-year criteria, the bulk of the sites were located in Onslow County, a variety of LTARs and age.

Sarah Menser:

- Reporting data from fifty-five (55) Coastal Plains sites; there is an inadequate number of Piedmont sites to report at this time.
- Three (3) snapshots at twenty-one (21) sites = sixty-three (63) points; has a total of sixty-six (66) points
  - Elevated site count from twenty-one (21) to fifty-five (55)
  - Utilized special site evaluation on some sites
  - Went to all sites at least once
  - Greater than a 2" average ponding went to site again, eleven (11) sites in all
  - Did not look at soil, referred to permits for soil classifications
- Recommendation: Move forward with the approval for the Coastal Plains area and stated that additional monitoring is superfluous.

Edwin Stott:

The I & E Committee not prepared to make any motion or recommendations until members review the report of findings collected to date.

Lorna Withrow to poll absent I & E Committee members to determine preferred delivery method of the report. Present Committee members were polled: Electronic copy (Edwin Stott, Cory Brantley, Harold Kelly, and Andy Smith); hard copy (Toney Jacobs, and Shankar Mistry); OSWP Branch (two hard copies, one electronic copy)

Dave Lentz:

Proposed pursuing the Coastal approval and abandoning the Piedmont based on the lack of demand in the Piedmont.

Steve Levitas:

Procedurally, in order to get to where they want to get, do they need an application for innovative approval of the system or are you good where you are now?

Dave Lentz:

We have two pending applications, one for modification of the CDWS and one for modification of the IWWS for the full profile chambers. Have the ability to modify either of those applications to move forward in whichever way they need to. One of the modifications would be to narrow the focus and eliminate the Piedmont.

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Outcome –I & E Committee will review the data ISI distributes and revisit the discussion during the June meeting.

**New Business**

Introduction of Larry Michael, the new Environmental Section Chief.

**Status of Pending I and E Applications**

Infiltrator Systems, Inc. (ISI): Amended request to modify the Innovative Approval for the Quick4 Plus Standard LP chamber (IWWS-2010-R1); Approval is still within the Branch. Branch Head Nancy Deal indicated that the Branch has encouraged ISI, Inc. to perform the monitoring described in the CD approval and agreed to by the Company.

- Infiltrator Systems, Inc. (ISI): Amended request to modify existing Innovative Approvals to received credit for endcap footprint for IWWS-1993-02-R13, IWWS-1997-02-R10, and IWWS-2010-01. Consensus reached that appointment of a subcommittee to consider this request is not necessary. Committee as a whole will discuss and submit a recommendation to the Branch.

All pending approvals discussed.

**Other Business**

Proposal to change I & E Committee meeting schedule to every other month with the possibility of going to quarterly: Bi-monthly (Harold Kelly, Andy Smith); Quarterly (Toney Jacobs)

Lorna Withrow: June meeting is already scheduled; suggestion to go to quarterly meetings after that.

Edwin Stott: Motion to go to a bi-monthly meeting schedule; Andy Smith seconded the motion; motion passed by unanimous decision.

**Announcements**

The next Committee meeting will be Tuesday June 3, 2014, starting at 10 am, Cardinal Room, 5605 Six Forks Road, Raleigh, NC

Non-Committee Members in Attendance at Meeting

Sarah Menser, Soil Services, PLLC  
Brian Pickens, BB Hobbs Company, Inc.  
Tom Ashton, American Manufacturing Company, Inc.  
Sean McGuigan, Presby Environmental, Inc.  
Woody Woodard, Infiltrator Systems, Inc.  
Dave Lentz, Infiltrator Systems, Inc.  
Tim Wood, Infiltrator Systems, Inc.  
Steven Levitas, Kilpatrick Townsend  
Steven Berkowitz, OSWP  
Ishwar Devkota, OSWP  
Nancy Deal, OSWP  
Sushama Pradhan, OSWP  
Dwayne Graham, OSWP  
Tricia Angoli, OSWP  
Lorna Withrow, OSWP

Meeting recorded by Joanne Rutkofske, OSWP