

I&E Committee Meeting Notes
November 7, 2006

Present at the meeting:

Tom Konsler, Chairman

Cory Brantley

Everett Coates

Toney Jacobs

Shankar Mistry

Old Business

Infiltrator (Tim Wood and Dennis Hallahan)

- Only outstanding issue to be addressed from draft approval submitted by Infiltrator is the maximum trench depth
- All structural issues have been adequately addressed
- Issues of concern/comment raised by the Committee are:
 - o Lack of oxygen at deeper (greater than 36 inches) trench depths
 - o A greater separation will be needed between trenches to handle the additional spoil from excavation
 - o All county health departments may not have the equipment to conduct site evaluations for deeper trench depths
 - o OSHA requirements for shoring or sloping trenches at five feet of depth or greater
 - o What is the soil treatment capacity at deeper soil depths
- Not a lot of research in on-site wastewater and oxygen availability at deeper depths, however there is a lot of research in agriculture relating to oxygen availability at deeper soil depths
- Committee feels that additional information is required to support the Company's request for the 25% and 35% reduction at trench depths deeper than 36 inches
- Information provided should address the specific issues listed above, particularly the lack of oxygen at the deeper depths and what effect that will have on soil treatment capacity relating specifically to chamber systems and special installation instructions for trenches to be installed deeper than 36 inches

Norweco (Michael Price, by phone)

- Proposed Controlled Demonstration Approval is an update and modification from draft approval started two years ago
- Submittal meets the criteria for Fast Track review (decision must be made within 60 days), so subcommittee should have a recommendation for full committee by December meeting
- Brooks and Medlock (consulting firm) will be overseeing the evaluation protocol
- Primary difference in proposed Controlled Demonstration system and approved Innovative system is no sand filter for proposed Controlled Demonstration
- Influent sampling issue still to be resolved
- Company would like to include vacuum testing as an alternative to water testing of tanks

- Committee raised questions about the sludge return and flow equalization for unit
- The 1000 gpd, 1250 gpd, and 1500 gpd models require a separate upstream pretreatment unit (septic tank)
- The 500 gpd, 600 gpd, and 750 gpd models have a built-in pretreatment chamber instead of a separate septic tank prior to the unit
- Two different methods of disinfection are proposed, both chlorination/dechlorination and ultraviolet
- The approval is initially limited to 15 systems, with additional installations being considered after five systems have at least two consecutive quarters of performance that is compliant with the applicable standard
- Subcommittee is Everett Coates, Tom Konsler, Shankar Mistry, and Steven Berkowitz
- Subcommittee will meet Thursday November 16th at 10 am at 2728 Capital Blvd
- Subcommittee would like to see the unit and NSF materials
- Materials will be forwarded from Michael Price to all Committee members

Ring (Ben Berteau)

- Received Experimental approval in July 2006 for EZ1201P EPS system
- Original draft Experimental approval proposed an additional 30 EZ1201P EPS systems to be installed, but was cut prior to final approval issued in July 2006
- Company is proposing modifications to July 2006 Experimental approval
 - o Product modification from 1201P to 1201GEO
 - 1201 GEO is manufactured with 120 degree span of filter fabric atop the bundle, located underneath the netting
 - Geotextile will replace the building paper currently used
 - o Addition of 30 additional systems, installed at the same sizing as the 20 highly monitored sites
 - Systems will be installed with monitoring ports
 - Systems will be inspected at least quarterly
 - Sites intended to provide additional information about ponding in the trenches
- Approval should include specifications that filter fabric to be used must meet
- Filter fabric should be compared to other geotextiles approved with trench products, specifically large diameter pipe and tire chips
- Committee voted to modify the Experimental approval with the proposed changes
- Cory Brantley abstained from voting
- Steven and Ben will work on the final language for approval

Status of I&E Applications

Waterloo Biofilter

- Subcommittee met last month
- Recommended to Company that for Innovative approval would consider TS-I, for Controlled Demonstration approval would consider TS-I and TS-II (due to spikes in data)
- Company is currently working to address 7 and 30 day flow monitoring and influent sampling requirements

Announcements

Updated/revised policies and procedures for the I&E approval process are in final draft and should be forwarded to the Committee for review in the near future

Revised draft approval, modified to reflect the new pretreatment rule .1970, will be forwarded to the Committee for their review in the immediate future, for discussion at the December I&E Committee meeting

The next Committee meeting will be December 5, 2006, starting at 10 am, at 2728 Capital Blvd, Rm 1A-224

Non-Committee Members in Attendance at Meeting

Tom Ashton, American Manufacturing, Inc

Dick Bachelder, ADS/Hancor

Steven Berkowitz, On-Site Water Protection Section

Ben Berteau, Ring

Steve Branz, Bord na Mona

Victor D'Amato, Arcadis

Dennis Hallahan, Infiltrator System, Inc

Jeff Karl, Ring

Doug Lassiter, EZ Set Co

Joe Lynn, On-Site Water Protection Section

Rob Roberts, Ring

Tim Wood, Infiltrator Systems, Inc

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

These minutes were adopted by the Committee December 5, 2006.