

Technical Guidance Committee Meeting Agenda

Tuesday, December 4, 2019

Conference Room D
Department of Environmental Quality
1410 North Hilton
Boise, ID 83706

TGC ATTENDEES:

Rachael Smith – REHS, Onsite Wastewater Coordinator, DEQ (TGC Chairman)
Joe Canning – P.E., B&A Engineers Inc.
Kellye Johnson – REHS, Director of Environmental Health, EIPH (via telephone)
Jason Peppin – REHS, Senior Environmental Health Specialist, PHD
Mike Reno – REHS, Environmental Health Supervisor, CDHD
Kendall Unruh – WEB, Inc. dba Western Septic & Excavation

GUESTS:

Rachel Aramburu – DEQ, Office of Attorney General
Lori Flook – DEQ, Administrative Assistant
Dick Bachelder – Infiltrator
Jay Holden – Presby Environmental
PaRee Godsill – Everlasting Concrete Products (via telephone)
Keith Taylor - BioMicrobics

CALL TO ORDER/ROLL CALL:

Meeting is called to order at 9:32 A.M.
Committee members and guests introduced themselves

Public Comment Period:

Rachael Smith opened the meeting for public comments. No comments were presented.

APPENDIX A

Action Item: September 26, 2019 Draft TGC Meeting Minutes

Joe Canning mentioned that there was a typo on page 5 that read, “Idaho license to compete”, but should read, “complete”. Rachael said she will correct this in the minutes.

Kellye asked about “squirt test” requirements that were discussed during a meeting previously this year. Rachael said she did not find any information on other states that have a maximum residual head. Joe said he would still like to see more calculations on excessive residual head before making a final decision and suggested that a clearer range be defined. Mike agreed that a range should be defined. Kellye said she would reach out to the engineers that provided comments and then it can be added as an action item to the next agenda.

Motion: Joe Canning moved to approve the minutes with the correction of the typo.
Second: Mike Reno
Verbal Vote: Unanimously passed. The final minutes will be posted to DEQ's website within 30 days.

Old Business

APPENDIX B

Action Item: TGM Section 3.2.8.1.2 Medium Sand

Rachael mentioned that no public comments were received on the proposed changes. She also said she had researched historical ASTM C-33 versions and that the 50 and 100 sieves have always been different in the TGM, not just the 200 sieve as the TGM language reads. Committee decided to delete the reference to ASTM with feedback from the pits. Once edits are made, section will be posted for 30-day public comment period. Rachael said she would email the health districts for input from pits in their districts.

Motion: Joe Canning moved to give preliminary approval.
Second: Kendal Unruh
Verbal Vote: Unanimously passed.

APPENDIX C

Action Item: TGM Section 1.4.2.1.1 Initial Septic Tank Approvals

Dick Bachelder with Infiltrator requested that the word "Plastic" is added to the heading in this section to include any/all plastic material and to be consistent with the Canadian Standard CAN/CSA-B66-M90. The edits were made during the meeting.

Motion: Mike Reno motioned for approval.
Second: Jason Peppin
Verbal Vote: Unanimously passed.

APPENDIX D

Action Item: TGM Section 3.2.3 Septic Tank and Dosing Chamber Installation

Rachael mentioned that no public comments were received on the proposed changes.

Motion: Kendal Unruh motioned to approve changes.
Second: Joe Canning
Verbal Vote: Unanimously passed.

APPENDIX E

Action Item: 2017 Effluent Filter Information and BioMicrobics Proposal for TGM Changes Regarding Effluent Screens and Approval of SaniTEE Effluent Screens

Committee agreed to approve the filter because it is a clean-in-place filter that will not allow solids to leave the tank (similar to a close-off feature).

Motion: Mike motioned to approve.

Second: Jason

Verbal Vote: Unanimously passed

New Business

APPENDIX F

Action Item: OSCAR-II Treatment system Large OSS Design Manual

Committee requested clarification on the intended flows and sizing for this manual versus the other manual that Lowridge had provided for the OSCAR-II system. Jason asked whether the flows would ever be split up to less than 1,500 gallon per day sizing to use with reductions. Someone asked how systems designed for 450-2,499 gallons per day would be categorized according to the manuals. Rachael said she will reach out to company with these questions.

Motion: Mike motioned to table review until the next meeting.

Second: Kellye

Verbal Vote: Unanimously passed.

APPENDIX G

Action Item: Combined Treatment and Dispersal (CTD) Systems Request to Revise Idaho Design and Installation Manuals

Dick Bachelder began by stating that Infiltrator purchased Presby in April of this year. The Committee recommended clarifying minimum/maximum spacing, center-to-center spacing and pipe to edge minimum/maximum. They requested simplifying the Presby manual, removing the flow >2,500 gpd reference in the Presby manual and adding installation instructions to the Presby capping fill section on page 12. They also recommended removing the system sand tables and the references to percolation rates.

Infiltrator manual– Committee requested adding “*manufactured*” to medium sand on page 2 of the Infiltrator manual for consistency with the TGM and removing specific TGM section references and table numbers due to the TGM sections and table numbers periodically changing. Page 3, System Sizing, requested edit “...*the Rules and the Secondary biological treatment system hydraulic application rates in the current edition of the TGM.*” Page 6, Minimum Conduit Lengths, Jason asked, “Why is it specific to “large flow”? The Committee recommended removing the reference and state “non-residential”.

The Committee questioned where the compaction requirements were under the construction requirements in the “Above Grade Capping Fill” section of the TGM.

Rachael said she could research when this was deleted from the TGM and the reason for it.

Motion: Mike motioned to table approval.

Second: Joe

Verbal Vote: Unanimously passed.

APPENDIX H

Action Item: TGM Section 1.4.2.2.1 Provisional ETPS Approval and TGM Section 4.8.2 Extended Treatment Package System Approval Conditions

Rachael said these sections came up while reviewing the TGM for rulemaking. Others at DEQ were confused if NSF testing/approval was required for product approval or the 85% reduction in section 4.8.2. She said 85% is the monitoring/sampling requirement once the system is installed. The Committee agreed that section 4.8.2 should be edited to include NSF/ANSI standard 40 and 245 rather than the 85% reduction. Revisions were made to this section during the meeting.

Motion: Mike motioned for preliminary approval of the revisions made to the section and to post for public comment.

Second: Jason

Verbal Vote: Unanimously passed.

APPENDIX I

Action Item: TGM Section 4.13 Gray Water System

Rachael said this section was unclear about the sizing of the “full-sized subsurface sewage disposal system” (4.13.2 Approval Conditions #12). She proposed an addition to this section which read, “*Because the gray water system is intended for irrigation and not year-round disposal, the subsurface sewage disposal system must be designed for all wastewater flows including both gray water and black water wastes.*” Kellye said the question frequently came up of what a full-sized system had to account for and that this condition should be moved up to #1. The Committee agreed to this edit. Committee agreed to preliminarily approve edits made to the TGM.

Motion: Jason motioned to approve revisions made to section and to post for public comment.

Second: Joe

Verbal Vote: Unanimously passed.

On-site Wastewater Program Update

Rachael said that the next negotiated rulemaking meeting is scheduled for December 12th (next Thursday) at 9:00 AM. In the process of rulemaking, the question has come up of

whether the reduced vertical separation distances would meet 39-107D requirements which requires the “best available peer reviewed science” for this rule. The reduced vertical setbacks table is based on intermittent sand filter studies from the 90s. Both the reduced vertical separation distances and reduced hydraulic application rates tables in the rules may be deleted based on the outcome of DEQ’s review of any peer reviewed studies. Rachael asked the TGC if they knew of any studies or contacts that would have relevant information. The TGC mentioned a few contacts. Rachael said she would share this information with DEQ staff for rulemaking research.

After the onsite wastewater program update, Keith Taylor with BioMicrobics asked if he could discuss the potential approval process for BioMicrobics BioBarrier with decreased drainfield sizing. The TGC discussed possible routes of review/approval of this product including experimental system approval or review of data from these systems with a proposed drainfield sizing. Jason expressed concern with the current issues with ETPS and homeowners not completing O, M&M and potential similar issues with the BioBarrier. The TGC said it would be BioMicrobics responsibility to put together the research and proposal for review by TGC.

NEXT MEETING

It was decided that the next meeting would be scheduled for March 5, 2020 at 9:30AM to be held at the Idaho Department of Environmental Quality state office.

Motion: Mike motioned to adjourn the meeting at 2:36 p.m.

Second: Jason

Verbal Vote: Committee unanimously approved.

Meeting was adjourned.