

Technical Guidance Committee Meeting Minutes

Thursday, March 7, 2019

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

TGC ATTENDEES:

Rachael Smith – REHS, Onsite Wastewater Coordinator, DEQ (TGC Chairman)
Joe Canning – P.E., B&A Engineers Inc.
Kellye Eager – 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:

Sheri Craig – DEQ, Administrative Assistant
Dick Bachelder – Infiltrator Water Technologies (via telephone)
Ashley Garrison – Presby Environmental, Inc. (via telephone)
PaRee Godsill – Everlasting Concrete Products (via telephone)
Jim King – Eljen Corporation (via telephone)
Dave Lowe – Lowridge Onsite Technologies (via telephone)
Lisa O’Hara – DEQ, Office of Attorney General
Lee Rashkin – Presby Environmental (via telephone)
Robert Reboni – BioMicrobics (via telephone)
Norm Semanko – Parsons, Behle & Latimer, Attorney representing Presby Environmental
Kevin Sherman – Presby Environmental, Inc. (via telephone)
Nathan Taylor – Eastern Idaho Public Health (via telephone)
Larry Waters – DEQ, Wastewater Program Manager

CALL TO ORDER/ROLL CALL:

Meeting is called to order at 9:37 a.m.
Committee members and guests introduced themselves

9:37 a.m. *Public Comment Period*

Rachael Smith opened the meeting for public comments. Norm Semanko stated that the updated agenda and appendix were not posted in time for them to review. He stated they are supposed to be posted for viewing a minimum of 48 hours prior to meeting. He was not aware it was updated so they were not able to review it until the morning of the meeting. Rachael explained that the website was updated with the new agenda Monday afternoon (March 4th) which was more than 48 hours before the meeting. She said she was not aware if there is a lag between the website posting and email notifications to those who are signed up to receive notifications and said she would check into it.

APPENDIX A

9:39 a.m. *Action Item:* December 13, 2018 Draft TGC Meeting Minutes

Kellye noted that there is no last name with Lori in the minutes. Also, for some of the motions that state “committee member motion”, she was wondering who made the motions, etc.? Rachael stated some of the names were missed with taking meeting minutes and asked the committee if anyone knew who made the motions in question. The committee members did not recall exactly who moved for certain items in the minutes. A committee member said Lori is listed on the guest sheet and that should work. Rachael said that she could add Lori’s last name in the minutes.

Motion: Joe Canning

Second: Mike Reno

Verbal Vote: Unanimously passed. Minutes stand approved with the addition of Lori’s last name. The final minutes will be posted to DEQ’s website.

Old Business

APPENDIX B

9:42 a.m. *Action Item*

Lowridge Onsite Technologies – OSCAR-II Treatment System Installation Manual

Rachael Smith said that the revised manual had replaced ASTM C-33 sand with medium sand and made other edits requested during the last meeting. On page 15 – 938 sq ft diagram had a few dimensions off. Basal width should be 18.4’, coil to side 6.7’.

Joe Canning commented on CAD using 6” between coils. He said presumably that is typical, but it is not shown as typical in the drawings, as they are all over the place. Should we add – 6” typical in to the design? The TGC agreed that this would be helpful. Rachael Smith noted the date on manual is still the same and should be updated to reflect what version we are using. Otherwise all edits that were requested during the last meeting had been made.

Motion: Joe Canning

Second: Jason Peppin

Verbal Vote: Unanimously passed. The product will be approved subject to the manual changes: new date, correct the sq ft drawing on p.15 and add a typical to the coil separation distance.

APPENDIX C

9:48 a.m. *Action Item-* TGM Section 5.5 Non-Discharging Products

Brief Summary: No public comments were received. No discussion.

Motion: Mike Reno

Second: Joe Canning

Verbal Vote: Unanimously passed. The TGM will be updated with these approved changes.

APPENDIX D

9:49 a.m. **Action Item** - TGM Section 1.9.5 Property Owner Operation, Maintenance, or Monitoring Requirements

Rachael Smith noted that no public comments were received. She stated that during the last meeting, Lori Badigian from Central District Health Department had pointed out that this entire section needs to be edited so that it is accurate. Kellye Eager asked if we want to approve w/edits or wait and until later with all of the changes. When would work be done? Next meeting or...? Are we dealing with additional letters, etc.? Rachael Smith stated that we can do either. She explained that the difference between current proposed changes and the section below is that these changes reflect the 2017 rule change which is not likely to change, whereas the section below the edited section is still under consideration (specific letters to property owners, etc.). There was more discussion on the updates. Mike Reno commented that updates right now would deal with failure to respond. He would be for approval now and doing the other edits later. Joe Canning thought if it is ok as it is worked then we should just go with it.

Motion: Joe Canning

Second: Kellye Eager

Verbal Vote: Unanimously passed. The TGM will be updated with these approved changes.

Additional Notes: Dave Lowe called in asking about the Lowridge agenda item. Rachael said that she would send him the list of minor edits to the manual for final product approval.

APPENDIX E

9:56 a.m. **Action Item** - TCM Section 4.19.3.2 Pressurization Unit

Rachael Smith noted public comments were received for this agenda item. Joe Canning commented on maximum and minimum. Concern is too much pressure coming out that would damage the sand. Can go up to 10' but anything over 5' should have an orifice shield. If the holes are shooting down, then they still need shields for that high of pressure. Comments were noted that they always throttle with a valve if necessary. A long discussion ensued on the pressurization and if and/or what type of valve should be used to control the pressure later on.

Motion: Mike Reno: Motion to leave it at 2.5' to 5' as is. Kellye Eager asked how we can ignore the comments that the engineers made. Another discussion ensued on the particulars.

A recommendation was made to leave at 2.5' – 5', add in squirt height measured from the elevation of the lateral and add a diagram on Figure 4-20 to add a valve - then reference back to that in the section. Possibly add into drawing – a valve either internal or external?

****5 minute break for issues with phone feedback 10:15 – 10:20**

Nathan Taylor from Eastern Idaho Public Health joined for discussion on this. Much more discussion ensued.

The *final* Recommendation was to add in on Section 4.19.3.2 after 2.5-5 feet - ‘squirt height measured from lateral elevation’. Recommend testing squirt height in every ‘lateral’; and to add: ‘Usage of a valve to adjust squirt height if necessary is recommended (Figure 4-20)’ and to change Figure 4-20 as well.

Motion: Jason Peppin

Second: Mike Reno

Verbal Vote: Unanimously passed. Edits will be posted to DEQ’s website for 30 days for public comment and readdressed at the next TGC meeting.

APPENDIX F

10:42 a.m. **Action Item** – TGM Section 4.24.3.1 Sand Mound Absorption Bed Cell Design

Rachael Smith noted that no public comments were received.

Motion: Joe Canning

Second: Kendall Unruh

Verbal Vote: Unanimously passed. The TGM will be updated with these approved changes.

New Business

APPENDIX G

10:43 a.m. **Action Item** – TGM Section 2.2.5 Method of 72 to Determine Effective Soil Depths

Mike Reno explained that this proposal was based on other products and studies that indicate treatment by manufactured medium sand is more significant than A1 soil. Rachael mentioned that she polled the State Onsite Regulators Association (SORA) and the results were included in Appendix G. Lee Rashkin asked how she chose which states to include in the results. Rachael said that SORA has an email list and whoever wants to reply with data on their state can. She included all responses that were provided. Kevin Sherman brought up that we are missing a page - p.212 is missing from the appendix G – and said that it is fine sand used in the study and not medium sand. Lee Rashkin noted that Presby owns the data and wanted to know who provided it to us. Mike Reno stated that Dick Bachelder had shared the study but was not sure when, he would have to check his calendar. Jason Peppin said that the study had already been provided and discussed in a TGC meeting a couple of years ago. Lee Rashkin wanted to discuss the real world application of how the ‘Method of 72’ is used. Would this affect their products and design and what the change means to their design

criteria. Mike Reno stated that the 'Method of 72' is not used for propriety products. A discussion ensued on where/how and comments on examples of the use of the 'Method of 72'. Dick Bachelder stated he had sent the email to Mike Reno on December 18.

After much discussion, the group went over the changes while Rachael Smith made them in the appendix for all to see on the WebEx. The changes included adding a column in Table 2-8 for manufactured medium sand with 24 treatment units per 12 inches of soil and 2 treatment units per inch of soil. "Medium sand" in the section was clarified to "manufactured medium sand". Example 2 for medium sand changed to:

- Depth of manufactured medium sand required = 14.4 treatment units remaining/2 treatment unit per inch
- Depth of manufactured medium sand required = 14.4 inches

Section 4.23.3.1.4 changed to "Pit run material may only be installed at depths of 7 feet... Figures 4-38 and 4-41 will need to be edited as well.

Motion: Jason Peppin

Second: Mike Reno

Verbal Vote: Unanimously approved. Proposed change will be posted for 30 day public comment and brought back to the next meeting for review.

APPENDIX H

11:21 *a.m.* **Action Item** – TGM Section 4.11.4 Gravelless Trench System Construction

Rachael Smith noted that one of the health districts had brought this topic up seeing inconsistencies in installs. They wanted clarification as to whether it is a 'should' or a 'must' be done this way. Mike Reno commented that this line is unnecessary and can be removed. The TGC agreed that it could be removed.

Motion: Mike Reno - Remove item 5

Second: Joe Canning

Verbal Vote: Unanimously approved. Proposed change will be posted for 30 day public comment and brought back to next meeting for review.

APPENDIX I

11:24 *a.m.* **Action Item** – Infiltrator ATL Design and Installation Manual Revision

Rachael Smith had included the marked up updated revision of the manual in this appendix and said that this version of the manual had an "Above-Grade Capping Fill" section that was consistent with other products that had been approved. She said the committee may need to consider creating a section of the TGM that better addresses these products. Jim King from Eljen Corporation commented that Eljen's product was not granted this same approval. The manual was uploaded to their website on Jan 25th without this approval. Rachael Smith said this must have been a misunderstanding and that the approval and email to the health

districts that was sent out gave the approval with a minimum of 3” of system sand rather than the unit, in the soil for above-grade capping fill installations.

Much discussion ensued. Rachael Smith explained that DEQ is recommending the actual piping is installed a minimum of 3” into the ground in C soils and follows the “Above-Grade Capping Fill” section of the TGM for these installs. Mike Reno said that puts the health districts in a difficult position if they approve an installation where an installer doesn’t follow this recommendation and then the system fails. Lee Rashkin commented that as a manufacturer, they would not come back on the local health districts. They would support their design criteria. He said this recommendation by DEQ undermines their approval. Rachael Smith noted that there is no undermining, but DEQ was offering guidance based on a concern. The TGC said that based on previous product approvals, that the Infiltrator product should be approved with the same treatment.

Motion: Jason Peppin

Second: Kendall Unruh

Verbal Vote: Unanimously approved. Product will be approved.

11:40 a.m. On-site Wastewater Program Update

Rachael Smith said the statewide audit report was completed and provided to all health districts. She presented a PowerPoint presentation with 2018 permit data. There was a small discussion about the numbers. Joe Canning mentioned he had put together and given a presentation that seemed to go over well, he offered to do statewide presentation, etc. Rachael Smith also said that an installer training presentation covering relevant topics and 2018 TGM updates was developed for health district training events and is available upon request. ETPS training presentation is also available.

NEXT MEETING:

11:46 a.m. Schedule Next Meeting

It was decided that the next meeting would be scheduled for June 27th at 9:30 a.m. to be held at the Idaho Department of Environmental Quality state office.

11:47 a.m. Action Item – Approve Adjourn Meeting

Meeting was adjourned

Motion: Mike Reno

Second: Jason Peppin

Verbal Vote: Unanimously approved