



**Technical Guidance Committee
Teleconference**

Minutes

August 11, 2010

**Department of Environmental Quality
Conference Room "C"
1410 N. Hilton
Boise, Idaho**

ATTENDEES:

Joe Canning, P.E., B&A Engineers
Bob Erickson, Senior Environmental Health Specialist, South Central Health District (SCPHD)
David Hatt, Onsite Wastewater Coordinator, Department of Environmental Quality (DEQ)
David Loper, Environmental Health Director, Southwest District Health Department (SWHD)
George Miles, P.C., Advanced Wastewater Engineering (Teleconference)
Mike Reno, Environmental Health Supervisor, Central District Health Department (CDHD)
Allen Worst, R.C. Worst & Company (Teleconference)

ABSENT:

None

GUESTS:

Matt Gibbs, Infiltrator Systems
Richard Huddleston, P.E., Wastewater Program Manager, Department of Environmental Quality (DEQ)
A.J. Maupin, P.E., Wastewater Program Engineer, Department of Environmental Quality (DEQ)
David Lowe, Onsite Sewage Specialist, H.D. Fowler Company, (Teleconference: 2:25 p.m.)
Keith Spiers, Spiers Construction-Biomicrobics Fast Systems
Allen Worst, R.C. Worst & Company (Teleconference)
Kendall Unruh, Western Septic and Excavation

Meeting called to order: 11:30 a.m.

ROLL CALL:

- Introduction of committee members, guests and attendees.



- TGC meeting minutes:

May 26, 2010 meeting minutes

Motion: Joe Canning motions to accept minutes as presented.

Second: Mike Reno

Voice Vote: Motion carried unanimously.

Minutes will post as final.

- Technical Guidance Committee Update:
 - **Installers Test:** Updates to the installers test in process. Tests will be maintained in central data base at the Department allowing the health districts to maintain statewide consistency.
 - Implementation - load questions onto web, health districts will run through test initially to work out any glitches or bugs.
 - Committee members discuss options and preferences on how the test should be delivered the number of questions and if the question should be easier or harder. DEQ has until October to finish updating the questions. Coordinator indicates test is structured for the test taker to learn while testing is in progress and any options put into place will also need all the health districts to agree and then placed into HD SOP.

Action Item: Put on agenda for the next TGC meeting.

TGM Chapter 2 – Soils and Ground Water

Technical Guidance Manual (TGM) has grown over the years and is in a format that will eventually become unmanageable; goal is to format the manual into manageable program, review each chapter, and restructure the sections. In addition the manual will be re-edited for consistency and comprehension. This will be an ongoing process over time.

- Committee suggests the possibility of outsourcing update to manual.

DEQ doesn't have the budget to outsource and update the manual; this is the main purpose of the committee in addition the department has a tech-pub section also for this purpose.

Chapter 2: Soils and Groundwater identified as a place to begin, AJ Maupin, and Mike Cook (DEQ soils scientist) will provide technical support if needed, a Request for the TGC to submit comments on chapter 2 before next meeting.



TGC recommends illustrations and diagrams currently in manual are outdated and should reflect updated technologies and what is inspected in the field. Onsite coordinator comments DEQ is in the process of hiring a graphics person who will be able to perform this task.

- David Loper Committee member and EH Director for Southwest District Health Department indicated he would provide updated meetings information to the EH Directors in other Health Districts.

UNFINISHED BUSINESS:

- Evaluating fill material: Section not ready for review at time of meeting.
- Added to the end of agenda – Vertical setbacks to ground water for advanced treatment systems.
- Waiting for recommendations from setback to surface water committee. **TGC put back on agenda for next meeting.** Focusing on vertical setbacks on intermittent sand filters and sand mounds. Description: Vertical separation for Intermittent Sand Filter (1) one foot and Sand Mound (3) three feet.

PRODUCT REVIEW:

- **Netafim USA** – Continuous Flush Subsurface Drip Dispersal System. David Lowe, HD Fowler Co.

Test results witnessed by Panhandle Health District and Central Health District Health resulted in no significant pressure loss.

Motion: Joe Canning motions: Have DEQ draft a change to alternate drip distribution system to include continuous flush as a type of option

Second: Mike Reno

Voice Vote: Motion carried unanimously

- **PolyLok Inc.** – High Pressure Effluent Filter

Motion: Joe Canning motions to deny PolyLok High Pressure Effluent Filter because it doesn't meet the required 12 sqft screen with 1/8 in slits or holes

Second: Mike Reno

Voice Vote: Motion carried unanimously

Drainfield Remediation/Bio-remediation:

- **Retro-FAST** - Keith Spiers from Alternative Wastewater Inc. presented to the committee members the biomicrobics Retro-FAST system, its applicability as a drainfield remediation unit. Keith describes how the unit is installed into an existing septic tank where the drainfield has failed; or in the process of failure. The retro-fast encourages aerobic bacteria to propagate and migrate to the drainfield, and then the bacteria consumes the biomat; unclogging the drainfield allowing the soils to process the wastewater.



- **Remediator** - Matt Gibbs from Infiltrator Systems Inc. presents to the committee the remediator also classified as a bioremediation unit because the unit uses a patented bacteria in addition to injecting air into the system. Matt recommends the remediator remain installed permanently. Matt Gibbs goes on to explain the drainfield remediation units are a low cost solution for property owners with small lot sizes where finding a replacement area is difficult. Usually surfacing effluent will recede in about two weeks and recommends property owners remain on a maintenance schedule.

Action Item: Mike Reno will review and provide comments in 30 days and send to committee. After receiving comments, he will draft another version and send out within one week. Using Kendall as starting point next meeting.

- **Extra Drainrock Trench:** 4-32 Discussion of corrections on extra Drainrock Trench. Table 4-3 A standard More than 6 inches of aggregate. Multiply factor to obtain new drain rock trench rate. Health district would require the permit and specify extra. AJ developed some verbage on an extra train drench and standard trench.

Action Item: AJ. Will modify text on the Extra Drainrock Trench introduction and send by e-mail to committee before the next meeting. AJ will get to Dave in the next week so he can send for approval.

NEXT SCHEDULED MEETING:

Date: November 3, 2010

Time: 9:00 am to 4:30 pm

Place: DEQ Conference Room C.
Bridge #2

ADJOURN: Meeting Adjourned

Motion: Mike Reno motions to adjourned meeting.

Second: Joe Canning

Voice Vote: Motion carried unanimously.