

On-Site Wastewater Technical Advisory Group

October 7, 2020
Virtual Meeting

Meeting Summary

MEETING ATTENDEES

Core Group Members Present

Dave Lowe, Lowridge
David Jensen, P.E., Jensen Engineering
Eric Knopf, Indigo Design, Inc.
Robert Monetta, Windermere Real Estate-
Methow Valley
Justin Hartmann, CPSS
Season Long, Cowlitz County EHD
Bob Gaulke, Spokane Regional Health
District
James Hayes, Whatcom County Health Dept

Core Group Members Not Present

Dave Hilton, Okanogan County EHD

Guests

Bill Stuth
Corrina Marote
Heather Kortuem
Leanne Elson

DOH Staff Present

Leslie Turner, OSS
Dotti Ramey, LOSS
Frank Baird
Maggie Kipple

INTRODUCTION:

The meeting began at 9:30 AM on October 7, 2020.

TAG Business (carried over from last meeting)

DOH role in TAG candidate selection:

All prospective candidates must submit a bio to the DOH.
DOH will select candidates for the TAG to vote on. Votes shall be anonymous.
The TAG decision will be relayed to DOH for final decision by DOH.
The 3-year term will end at 12/31 of the term commitment year.

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Approved for the TAG SOP:

Six months prior to the end of the 3-year term commitment, the DOH will contact the TAG member and ask if they would like an extension of service.

If a member would like to continue service beyond one term, the extension will be voted on by the TAG and must be approved by DOH.

If more than 2 terms are requested to be served, the TAG member may apply and must submit a bio to the TAG and DOH for consideration.

All votes for a candidate service term renewal will be anonymous.

General communication and votes by email must be basic. If there is a veto, then the item goes to a virtual or in-person meeting. All technical issues must be discussed at a meeting.

For a motion to be passed, a majority of the TAG members must be present to vote. A majority vote of those in attendance may then pass or deny a motion.

SUMMARY OF TECHNICAL DISCUSSIONS

Dosing to Gravity RS&G pump tank sizing

The unanimous vote was to size the pump tank as per the Pressure Distribution RS&G Pump tank sizing. This guidance will be added to the Dosing to Gravity RS&G.

Pressure Distribution RS&G revision discussion

“Squirt” was changed to “residual” in the Measure of Performance section. In the existing document, the terms were used interchangeably. A residual test is a more accurate test. A tube is attached to the distal end of the lateral and pressure is applied until the effluent just “crowns” the tube. A squirt test is a field measurement that measures individual orifice discharge. If a squirt test fails to achieve the specified height, a residual test is suggested. The residual height is greater than a squirt test. This will be in an information box.

Further review of the PD RS&G proposed revisions was tabled.

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A comment was made that in the Drip RS&G, Appendix A, racoon damage, should be addressed as well as rodents. Further discussion was tabled.

Recirculating Gravel Filter followed by Anoxic Woodchip Bed addition to the RS&G:

List on the Registered List as meeting TLN for residential strength effluent (previously approved by the TAG).

TL N is a maximum of 20 mg/l.

Recirculating Gravel Filter (RGF)

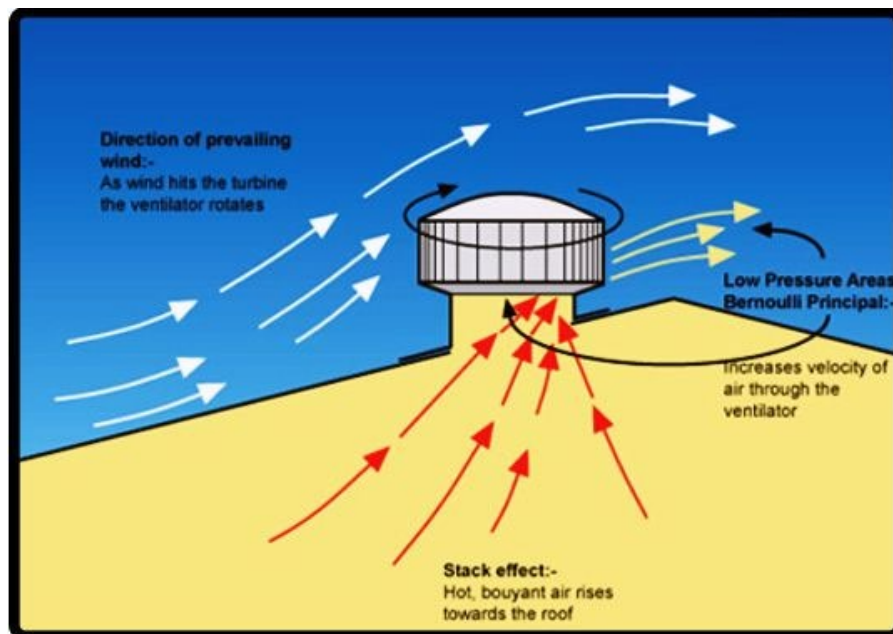
List on the Registered List as providing a 50% nitrogen reduction from residential strength effluent (previously approved by the TAG). This is not equal to TL N. A currently accepted residential effluent value is 60 mg/l of nitrogen.

Other RGF RS&G items of note:

Effluent may be returned to either the recirculating/mixing tank or the septic tank.

Filter bed sizing for residential applications has been changed from 3 to 5 gallons/day/square feet.

Several “field experience” boxes were added including new venting suggestions such as ventilator turbines. The following illustration will be added to the text box:



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Further explanation and illustration of recirculation ratio was added in an informational box.

An informational box on alkalinity addition was added.

The requirement for the underdrain slots in the 12 o'clock position was clarified throughout the document.

Additional trouble shooting items were added.

The media specification in Appendix A was corrected.

Appendix C, current Option 2 was deleted.

WRAP UP:

The meeting ended at 3:00 PM, October 7, 2020.

The next meeting will be in November 2020.