

**Sewage Handling and Disposal Regulations
Design and Construction Subgroup
Thursday, July 25, 2024 – 10:00 am to 2:00 pm
Meeting Notes**

Meeting Location:

5th Floor Main Conference Room, 109 Governor Street, Richmond, Virginia, 23219

Virtual Participation Available Via Webex:

<https://vdhoep.webex.com/vdhoep/j.php?MTID=m1fbd82af16b21f4966cb57a948bc015e>

In Attendance: Adam Day, Adam Feris, Anne Powell, Anthony Creech, Brent McCord, Curtis Moore, Derek Hunt, Ed Pennypacker, Greg Garber, Jamie Pritchett, Jay LeReche, Jermain Niblett, Kate Jones, Kelli Greenstreet, Lance Gregory, Megan Webb, Mike Callahan, Mitch Rieley, Paul Shannon, Peter Brooks, Ryder Bunce, Shawn Carman, Steve Valentine, Tanya Pettus

Agenda:

1. Welcome / brief introductions (5 min.)
2. Follow-up from 2022 subgroup meetings (15 min.)
 - a. Recommendations:
 - i. Revise regulations regarding force main crossings to be more consistent with plumbing code and SCAT regulations
 - ii. Design Flow and Wastewater Characterization reconsidered across the board
 - iii. Installation depth on sloping sites (>9%)
 - iv. Design of pump systems
 - v. 100% reserve area for all OSS
 - vi. Standards for abandonment of OSS
 - vii. Standards for tank construction
 - viii. LGMI standards
 - ix. New technologies for privies
3. Public Comment (5 min)
4. Draft regulation concerning wastewater characterization (45 min.)
 - a. Section 670
 - i. Curtis Moore suggested that VDH specifically address the 150 gallons per bedroom “peak” flow. Adam Feris suggested changing nomenclature of #/day to pounds per day. Ryder Bunce asked how VDH will regulate for average flow versus peak flow.
 - ii. Curtis Moore suggested that
 - b. Table 5.1 – Sewage Flows
 - i. Ryder Bunce, Paul Shannon, and Peter Brooks are in favor of maintaining Table 5.1. Anne Powell and Adam Feris suggested serious revisions to the table if it is retained in the SHDR. Ryder Bunce will lead a subgroup to revise Table 5.1. Paul Shannon recommended mirroring language from 613 in 610 about § 32.1-163.6.
 - ii. Peter Brooks suggested adding a column for TKN/Total Nitrogen to Table 5.1
 - c. Section 670.C.2

- i. Lance Gregory suggested linking the change-of-use wastewater characterization with the § 32.1-165 process.
 - ii. Adam Feris and Andy Carter mentioned that if a property owner changes the use of their property, they are basically voiding their own Operation Permit (because it is no longer residential wastewater).
 - d. Section 680 – omit because no regulatory requirement
- 5. Draft regulation concerning water reuse (45 min.)
 - a. Section 690 – water reuse systems
 - i. Rainwater
 - ii. Graywater
 - 1. Curtis Moore asked if using a graywater system would allow for a reduction in size of the OSS (because the flow would be significantly reduced)
- 6. Draft regulation concerning site preparation and alteration (45 min.)
 - a. Section 700
 - i. Curtis Moore suggested specifying between when a site could be rejected versus when a permit could be revoked in subsection A.
 - ii. Paul Shannon suggested prohibiting construction in all texture groups of soil during periods of wet weather.
 - iii. Adam Feris suggested eliminating the “during construction” limitation in E.1 because this Regulation should protect the OSS throughout its lifetime.
 - iv. Curtis Moore suggested prohibiting any driveways or parking lots from being constructed over an OSS. Curtis Moore mentioned that the oxygen exchange is tremendously decreased when you place impervious strata over the OSS; in NC, it is outright prohibited.
- 7. Draft regulation concerning absorption area design (45 min.)
 - a. Section 730 – retain three-inch minimum internal diameter sewer line
 - b. Section 750 – sewer line material acceptable under USBC?
 - c. Section 880.A.5 – reword for consistency with SCAT regulations
- 8. Additional discussion (30 min.)
- 9. Next steps / meeting conclusion (10 min.)
 - a. Meeting notes will be posted on Town Hall
 - b. Next meeting on August 20 at 10:00am