



FLORIDA ONSITE WASTEWATER ASSOCIATION, INC.

EDUCATION COURSE

Master IV – LOW PRESSURE DOSING DESIGN CONSIDERATIONS

(6.0 CEU hrs Registered/Master Contractors & CEHPs)

February 16, 2023

FOWA Training Center

5115 State Road 557 | Lake Alfred, FL 33850

- 8:00 Registration
- 8:30 Open discussion/update on new Onsite Rules & Regulations (1.0 Credit Hour: R, C)
- 9:30 "Introduction to Dosing Systems" (0.5 Credit Hours: R, M, C)
- Trench versus bed geometries
 - Gravity versus dosed distribution
 - Biological loading analysis
 - UF high strength waste study
- 10:00 "Introduction to Dosing Systems"---continued (0.5 Credit Hours: R, M, C)
- System component selection
 - Handouts of pertinent engineering data
 - Worksheet to do example problems
- 10:30 Break
- 10:45 "LPDS Design and Sample Problems" (1.5 Credit Hours: R, M, C)
- Sample problem #1
- 12:15 Lunch (on your own)
- 1:15 "LPDS Design and Sample Problems" (1.5 Credit Hours: R, M, C)
- Sample problem #2
- 2:45 Break
- 3:00 In class practice test/review (1.0 Credit Hour: R, M, C)
- 4:00 Master Contractor IV Test – for specified individuals*
Distribution of Course Evaluation Forms & Attendance Certificates

NOTE: Bring a **calculator** and **pencil**.

***Master septic contractors needing master level hours and registered septic contractors studying to become Master septic contractors -**
The test shall consist of closed book format, with all graphs and tables provided. One hour maximum is given to complete the test.
Passing score is 70% or greater.

DETAILED COURSE DESCRIPTION: By the end of this class, participants should be able to:

- 1) Understand the differences in design safety factors between a bed and trench drainfield.
- 2) Properly size PVC pipe and hole configurations for residential and commercial jobs.
- 3) Understand and be able to determine the Static, Dynamic (Friction) and Operating head and head losses.
- 4) Select the right pump for the design encountered.

Speaker Qualifications: Roxanne Groover 4(B)

Total number of classroom hours: 6