

# ONSITE SEWAGE PROGRAM ACCELERATED CERTIFICATION TRAINING

## ONSITE WASTEWATER CONCEPTS, MATERIALS, REGULATIONS & THE APPLICATION PROCESS MASTER CONTRACTOR PART I AGENDA

### Day 1 – Monday 8:00 AM - 5:15 PM (6 CEUs)

- 8:00 – 8:15 Welcome, Introduction and Course Overview
- 8:15 – 9:30 **A - Basic Concepts In Wastewater Treatment** (1.25 Credit Hours: R, M, and C)
- Overview**
- Advantages and Importance of Onsite Wastewater Treatment Systems
- Wastewater Composition**
- Human Body Wastes and Characteristics, Water Use and Wastewater Segregation
  - Pollutant Concentrations in Wastewater, Waterborne Pathogens associated with Sewage
  - Nitrate Contamination, Phosphorus, Volatile Organic Compounds
  - Septic Tank Functions and Effluent Characteristics
  - Biomat and Treatment
  - Advanced Treatment Systems (Constituents, Treatment Levels)
    - Aerobic Treatment Units and Performance Based Treatment Systems
- 9:30 – 10:15 **B - Onsite Sewage Systems Methods & Materials** (0.75 Credit Hours: R, M, and C)
- Treatment Receptacles, concrete, fiberglass and polyethylene (plastic)
    - Septic, laundry, grease traps and dosing receptacles
    - Legends, manholes, seals, sealants and filters
  - Distribution methods and materials
    - Gravity and lift-dosing (d-boxes and headers), mound, filled and standard systems
    - Pressure (Low pressure and drip system materials)
  - Baseline (soil based) and alternative drainfields and drainfield materials
    - Mineral aggregate and alternative drainfield products, classroom demonstration of aggregate samples
    - Reductions vs. comparable ratings
    - Absorption bed vs. trench
- 10:15 – 10:30 **BREAK**
- 10:30 – 11:00 **B - Onsite Sewage Systems Methods & Materials – Continued** (0.5 Credit Hours: R, M, and C)
- 11:00 – 12:00 **C - State Regulations of Onsite Sewage Treatment and Disposal Systems** (1.0 Credit Hours: R, M, and C)
- Chapters 120, 381 and 489, Florida Statutes (Regulations not specifically in rule such as Suwannee/Aucilla River and roof-runoff requirements, time frames, rights to hearings, 381 variances, jurisdiction, sewer availability)
  - EH Technical Manual 150-4
  - Chapter 64E-6, Florida Administrative Code State Regulations of Onsite Sewage Treatment and Disposal Systems
  - Interagency Agreements in the Onsite Sewage Program (DEP, DBPR, DACS, DCF, APD, AHCA), Operating Permits
- 12:00 – 1:00 **LUNCH (Two Options)** Complimentary food is available at the FOWA Training Center. If you have special dietary needs, it is recommended you bring a sack lunch. No microwave is available for participants. Be advised there are a very limited number of food establishments near the Center. If you leave the training center for lunch, you are responsible to return prior to the start of 1 pm presentation. **If you are more than 15-minutes late returning from lunch, you will not be admitted back to the class.**
- 1:00 – 2:00 **D - New Permit Applications and Site Plans** (1.0 Credit Hours: R, M, and C)
- Permit Application, Agent Authorization, Property Ownership, Sizing Criteria: property size, water supply, date lot subdivided or recorded, estimated sewage flow, authorized sewage flow
  - Site Plan, Setbacks
- 2:00 - 2:15 **BREAK**
- 2:15 - 3:15 **E - Site Plan Review Classroom Exercise** (1.0 Credit Hours: R, M, and C)
- Sample applications and site plans
- 3:15 - 3:45 **Review and Questions** (0.5 Credit Hours: R, M, and C)
- 3:45 – 3:55 **BREAK**
- 3:55 - 5:15 **EXAMINATIONS - Onsite Wastewater Concepts, Materials Regulations & the Application Process / Master Contractor Part I**

Onsite Wastewater Concepts, Materials, Regulations & the Application Process / Master Contractor Part I Certification Examination will consist of 50 questions, both multiple choice and true/false. The time allotted to complete the exam is one hour and twenty minutes. Examinations will be graded as completed by the student, with 70% as the minimum passing score. Those students who do not pass the exam will be given the opportunity to review their examinations. A second examination will be given after the review period. A participant who does not achieve the minimum passing score on the second test will be required to repeat the course, as will any participant who does not take the second test on the same day. Please note examination time does not qualify for CEUs.