

Syllabus for August 25, 2005 Halifax FEHA Registered Level Advance OSTDS Education Course
Approved Course Provider # SP0011, 3539 Apalachee Pkwy., #215. Tallahassee, Fl. 32311
Course Location: Volusia County Health Dept., 1845 Holsonback Dr. Daytona Beach, Fl. 32114

1. **Bloodborne Pathogens and Diseases from Wastewater Contact:** An overview of the various pathogens, viruses and other issues of disease concern when dealing with wastewater systems.
2. **Proper Pump Truck Set Up-Vacuum Trucks, Pumps and Vanes:** An overview of the proper set up of a wastewater pump truck and the maintenance for proper, safe and sanitary operation. How to meet DOH approval of a truck for operation.
3. **Aeration Systems and Aeration with Blowers:** An overview of wastewater aeration systems and how they function, their maintenance and operational issues.
4. **History and Challenges of Onsite Systems Located in the Florida Keys:** A review of the Monroe county health departments challenges of meeting the onsite program requirements in the ecologically sensitive area of the Florida Keys. The speaker will elaborate on the political and ecological issues of replacing outdated and illegal systems, such as cesspools.
5. **Confined Entry and Trench Safety:** An overview from the Occupational Safety and Health Administration on the safety concerns of excavation and trenching. Attendees will learn proper safety techniques when digging holes, pits and trenches to prevent injury and possible death to employees and others.
6. **Pump Controls and System Monitoring:** The speaker will address how to properly set up pump control devices and mechanisms and also the proper set up of equipment for system monitoring.
7. **Onsite System Management:** This presentation will provide information on the best management practices through advanced diagnosis, routine service, knowledge of components and functions and maintenance. Also covered are different types of systems one may encounter in the field.
8. **Ecology of Onsite Systems and Why Systems Fail:** The speaker will inform the attendees of the role of microbiology in onsite systems, covering both traditional septic systems and aerobic wastewater treatment systems. The presentation takes a microbial approach to the mechanism of system failure and the factors that lead to premature system demise.
9. **Community Decentralized Wastewater System Utilizing Open Cell Technology:** The speaker will give an overview of one of the latest Florida innovative approved products and how it works.