Septage Management

6.0 hours to CEHPs & Master/ Registered Septic Tank Contractors

Course is approved at Master Contractor level. SC0403

Epincorp Inc. P.O. Box 162204, Altamonte Springs, FL 32716

Provider Number SP0012, Website: <http://www.epincorp.com>

Email: [Epincorp@gmail.com](mailto:Epincorp@gmail.com) Instructor: Dr. Sonia Cruz, Ph.D., C.E.H.P.

7:15 am Registration, Introduction, and pre-test.

7:30 am WHAT IS SEPTAGE MANAGEMENT? Florida’s aquifer vulnerability and protection of the Aquifer, Florida Springs, and Groundwater. Florida Statistics - What is Septage?

8:30 am WHAT IS THE CURRENT SITUATION? Alternatives to Land Application of Septage and other alternatives-incineration, bioenergy production, conversion to fertilizer.

9:30 am Break

9:45 am WHAT ARE THE OPTIONS FOR TREATMENT AND DISPOSAL OF SEPTAGE? Sludge dewatering, mechanical dewatering, thermal drying, pasteurization(disinfection), and composting.

10:45 am SEPTAGE LAND APPLICATION: CURRENT GUIDELINES AND FUTURE ISSUES: Septage and food establishment sludge, lime stabilization, land application of domestic septage and sludges, record keeping “ From Cradle to Grave”, DOH septage treatment facility operators, land application setbacks, current situation.

11:45 am Lunch

12:15 pm TREATMENT OF SEPTAGE AT DOMESTIC WASTEWATER TREATMENT FACILITIES: Options for treatment and disposal of septage, wastewater evaporation system for septage, septage treatment plant, lime treatment, key components of septage receiving facility, septage hauler and uploading area, screens, rock traps, odors, record keeping/billing.

1:15 pm ALTERNATIVES TO LAND APPLICATION OF SEPTAGE: Dewatering and production of biosolids, Class AA residuals, dewatering and disposal at landfills, increasing treatment level for land application, costs and examples of dewatering facilities, enhancements to existing land application practices.

2:15 pm Post test

2:45 pm Distribution of course evaluations & attendance certificates

Note: The post test shall consist of 20 questions in closed book format for Master Contractors,

all others are allowed to use class notes. Half hour maximum is given to complete test. Passing score is 70%. A participant who does not score at least 70% on the post test will be allowed one test retake.

Detailed Course Description:

The purpose of this course is to help onsite wastewater professionals and others understand the issues related to Septage Management and future issues related to land application in the State of Florida. Alternative solutions to these issues are presented.

Total number of classroom hours: 6

Speaker Qualifications: Sonia Cruz, Ph.D., CEHP 4(B), Bachelor of Science, Master in Biology and Doctorate in Marine Sciences, 17 years Department of Health Onsite Sewage Program experience, and 18 years academic experience as a University of Puerto Rico Associate Professor in Biology.