

CE 890 Graduate Seminar

SPEAKER: Charles Kucherka (Distance Learning M.S. Student) (Advisor: Dr. Mustaque Hossain)

TOPIC: Advanced Treatment On-Site Sewage Facilities: A Sustainable Option

DATE: February 10, 2010

TIME: 4:00 p.m. (refreshments at 3:45 p.m.)

PLACE: 2144 Fiedler Hall

ABSTRACT

The on-site treatment of sewage has historically been applied in rural areas where centralized infrastructure was not available or was not feasible to construct. The current state of America's wastewater infrastructure is poor accordingly to a recent report conducted by the American Society of Civil Engineers. This report will evaluate the current applications of centralized and decentralized wastewater treatment and discuss several of their attributes. This report will also define and discuss the definition of sustainability and how it relates to on-site sewage facilities and how the application of on-site sewage treatment is a sustainable option to centralized wastewater treatment.