Continuing Education Workshop
Seven Professional Development Hours
For Engineers and other Wastewater Professionals

What to Do When a Basic Septic System Will Not Work at a Difficult Site

March 23, 2009
Embassy Suites & Conference Center
Murfreesboro, Tennessee

Tennessee Onsite Wastewater Association
Pre-Conference Workshop

Overview:
Tennessee has many small communities without sewer systems. Typically located at old crossroads, these small communities may not have many structures, but number of structures per square mile is fairly high. The homes and businesses (built before the 1970’s) have individual septic systems that are problems waiting to happen. Before the 1970’s, regulations were not in place to ensure that these systems were sized appropriately for the flow and for the soil. Additionally, it is very likely that the actual wastewater flow has increase as compared to thirty years ago. If a large percentage of septic systems have failed within a small community, this becomes a community problem rather than an individual owner’s problem. An engineered solution is needed.

This workshop has assembled a group of presenters that will address the challenges of placing a domestic onsite wastewater renovation system at locations that demand alternative approaches. The discussion will range from alternative repairs for individual systems, to developing a community system using effluent sewers.
**Schedule:**
8:30 – 9:00 AM    Registration, Embassy Suites & Conference Center
9:00 – 9:15 AM   Welcome and Opening Remarks
                 Mr. Theo Terry, TOWA President Elect
                 Dr. John Buchanan
9:15 – 10:30 AM  Dr. David Lindbo, Associate Professor, Soil Science Department, NCSU
                 Recognizing and Working with Difficult Soils
10:30 – 11:00 AM Break in Exhibit Hall
11:00 – 12:00 AM Mr. Brad Harris, P.E. and Mr. Britton Dotson, P.G., TDEC-Ground Water
                 Protection
                 Trials and Tribulations of Difficult Sites
12:00 – 12:45 PM Lunch (Provided)
12:45 – 2:00 PM  Dr. Kevin Sherman, P.E., Director of Engineering, Quanics, Inc.
                 Engineering Solutions to Difficult Sites
2:15 – 2:30 PM   Break in Exhibit Hall
2:30 – 3:30 PM   Mr. Scotty Sorrells, P.G., TDEC-Division of Water Supply, Underground
                 Injection Program
3:30 – 4:30 PM   Dr. John Buchanan, P.E., Associate Professor, University of Tennessee
                 Community Solutions – Effluent Sewers, Treatment, and Dispersal

**Location:**
Embassy Suites & Conference Center
1200 Conference Center Boulevard
Murfreesboro, TN 37129
(615) 890-4464

**Registration:**
Fees for the workshop are $150.00. This includes admission to TOWA conference (March 24),
lunch on both days, and the TOWA annual dues.

**Registration Procedure:**
Pre-registration is strongly encouraged – we need to know how much food to order. Please fill
out the attached form and return it to John Buchanan. Contact information is on the form.
For More Information:
Contact John Buchanan at jbuchan7@utk.edu or at (865) 974-7266. Please visit our website at http://onsite.tennessee.edu

Registration Form:

Name: ____________________________________________________________

Company or Employer: ___________________________ Title: ___________________________

Mailing Address: ____________________________________________________________

City, State, Zip: ____________________________________________________________

Phone Number: _______________ email address: _______________

Any Dietary Restrictions? ____________________________________________________________

You can pay at the door, but we would like for you to pre-register
Please return the registration form to:
John Buchanan
Center for Decentralized Wastewater Management
2506 E. J. Chapman Drive
Knoxville, TN 37996-4531

Registrations can be Faxed to: (865) 974-4514
Or emailed to jbuchan7@utk.edu