



Professional Engineering Society of Southern New Jersey

Chapter of the National Society of Professional Engineers

Ground Freezing and Tunneling Seminar (1 PDH)

2012 Jerry Kilby Scholarship Award

Program: Ground freezing to assist in horizontal tunneling, presents unusual challenges to contractors. Stresses on frozen ground are critical, and vary with depth, strength, and water tightness of the interface between the frozen ground and existing structures. For the East Side Combined Sewer Overflow Tunnel Project, in Portland, Oregon, a hand-mined tunnel was completed between two existing concrete slurry wall shafts at 42.7 meters (140 feet) below ground surface. This presentation discusses the design, installation, and operation of the ground freezing system, along with QA/QC measures employed to ensure full closure and maintain structural competency of the frozen ground during the tunneling activities.

Certificates of attendance will be provided. It is anticipated that this course will meet New Jersey, Pennsylvania and New York requirements for 1 PDH for Professional Engineers.

Additionally, the 2012 Jerry Kilby Scholarship Award will be presented.

Speaker: Kenneth E. Wigg, P.E. Senior Engineer, Moretrench American Corporation, Rockaway, New Jersey.

Mr. Wigg has over 15 years experience in geotechnical groundwater control, treatment, and supply and is currently a Senior Engineer with Moretrench's Rockaway New Jersey office. Mr. Wigg is a graduate of the New Jersey Institute of Technology who holds 5 professional engineering licenses along with 4 contractor's licenses. Mr. Wigg specializes in the design and construction of groundwater/leachate control, extraction and treatment systems.

Date: February 16, 2012

Schedule:

Registration:	5:00 PM – 5:30 PM
Dinner:	5:45 PM
Presentation:	6:30 PM – 6:45 PM
Seminar:	6:45 PM – 7:45 PM

Location: Wyndham Mount Laurel
1111 Route 73 North
Mount Laurel, New Jersey 08054

Dinner:

Salad:	Caesar Salad
Entrée:	Chicken Marsala, Salmon al'Champagne or Penne ala Vodka
Sides:	Roasted Yukon Gold Potatoes and Green Beans Almandine
Dessert	Cake or pie and coffee

Cost:

Members:	\$35.00
Non-members:	\$40.00

Cost includes dinner and program. Registration fee collected at event.
Cash or checks payable to PESSNJ accepted.

RSVP: By February 2, 2011 by contacting Daniel McGinnis, P.E. at Daniel.McGinnis@rve.com