

Society of American Military Engineers, Huntington Post

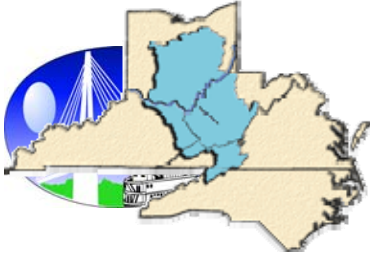


The Bridge



NEWSLETTER OF THE HUNTINGTON POST, S.A.M.E.

www.same.org/huntington



This Month's SAME Meeting 12 November 2008

Topic: Open Cell Design / Construction
Presented by: Peter W. Chou, P.E., G.E.

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November Meeting

Topic: Open Cell Design / Construction
Speakers: Peter W. Chou, P.E., G.E.
Date: Wednesday November 12, 2008
Time: 1130 to 1300
Location: Cabell County Main Library, 455 9th St., Huntington, WV
Cost: \$5.00 students \$7.00 members and \$8.00 non-members
**RSVP: Mike Fitzwater at: gary.m.fitzwater@usace.army.mil
Office (304) 399-5933**
Menu: Fried chicken, Mashed potatoes, Vegetables, Dessert and Beverage.

MONTHLY POST MEETING SCHEDULE

December 9, 2008 – Monthly Meeting
January 13, 2009 – Monthly Meeting
February 10, 2009 – Monthly Meeting

Don't forget to ask Dave Meadows for a PDH certificate if you need one.
david.f.meadows@usace.army.mil

Does your firm have a special announcement or major promotion on a SAME member?

If so, contact Tom MacFarland, thomas.g.macfarland@usace.army.mil or (304) 399-5369, and he will include it in the next edition of "THE BRIDGE".



The SOCIETY OF AMERICAN
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HUNTINGTON POST
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News from the President:

SAME Team,

Last week we received great news. Mack McCarty was selected by SAME for induction into the Academy of Fellows. Mack has served the Huntington Post for the last 10 years in a variety of positions and has always been active in Post events. The leadership he has displayed and time given have helped our Post sustain Distinguished Post status and contributed to the futures of our younger engineers. Please join me in a hearty congratulations to Mack!!!

December 6th is our annual Holiday Dance. Big Planet Soul will provide music for your enjoyment. I hope to see you there.

Regards,

Dana R. Hurst, P.E.
Colonel, U.S. Army
Post President

This Month's Speaker:

Peter W. Chou, P.E., G.E.

Mr. Chou joined H. C. Nutting/Terracon in 2002 and has a total of 11 years of work experience in Geotechnical and Construction Engineering in the U.S. and overseas. He received his bachelor's degree in Civil Engineering at National Central University in Taiwan in 1996, and his master's degree in Civil Engineering at Purdue University in Indiana in 2000. He is currently a registered Professional Engineer in several states and a registered Geotechnical Engineer in California. He was a soil mechanics laboratory instructor at Purdue University in Indiana in 2000, and he was a recipient of 1998 Army Award as Excellent Serviceman in Taiwan while he served in the construction management department.



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This Month's Presentation:

Open Cell Design / Construction

An innovative instrumentation program was developed to monitor an ongoing Open Cell™ Bulkhead System installation at the new Argosy Casino Riverboat Harbor along the Ohio River in Lawrenceburg, Indiana. Similar Open Cell™ system has also been selected for both Ashland and Owensboro Riverfront Revitalization projects in Kentucky. H.C. Nutting/Terracon has been teaming up with PND Engineers, who is Open Cell™ designer, for all these sites. The instrumentation program installed at the riverboat harbor site can provide engineers factual information regarding wall system performance. The new harbor is part of a major expansion including a new 270,000 square foot riverboat casino and associated riverside patron access and support facilities, and other landside developments. The new harbor consists of the Open Cell™ Bulkhead System, a mechanically stabilized earth (MSE) wall, and associated utilities and access roads.

Driven, Open Cell™ sheet pile walls have been installed surrounding the boat slip area. A MSE wall has also been constructed adjacent to the northwest end of the Open Cell™ wall. The challenges faced include a 20 ft. high wall backfill being placed on the soft alluvial soils behind the Open Cell™ walls, while a 24 ft. deep excavation for the new harbor boat slip is simultaneously performed within the soft alluvium in front of new sheet pile walls. In addition, a 25 ft. tall MSE wall is planned on the top of weak alluvial deposits for the new access road. Therefore, a state-of-the-art instrumentation program consisting of seven stations is designed along the 44 ft. high Open Cell™ river walls and below the 25 ft. tall MSE wall to monitor soil responses during backfilling and excavating, as well as under construction loading, to confirm project design assumptions, and to help minimize potential risk of construction failures which may cause construction delay and safety hazard.

With the recent innovations in wireless communication, data collecting and compiling software, and web-based publishing technology, an automated, 24-hour real-time, web-based display monitoring system which allows the owner, construction managers, and engineers around the country (or even globally) to review real-time construction information through internet has been monitored by H.C. Nutting/Terracon Consulting.



Composite Pictures provided by Argosy (above) and PND (right)



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Plan to attend the
14th Annual
Holiday Dinner and Dance
December 6, 2008
Don Morris Room at the
Marshall University Memorial Student Center

Sponsored by the
Huntington Post, Society of American Military Engineers
and the
Marshall University College of Information Technology and Engineering

Cocktail Hour - 6:30
Dinner - 7:30
Dance – 8:30 pm to midnight



For entertainment, back by popular demand is “Big Planet Soul”! Big Planet Soul specializes in “classic soul” and contemporary dance music and is highlighted by a five-piece horn section.

DINNER WITH OPEN BAR

COST

\$25 for SAME Members and their guests
\$30 for non-SAME Members and their guests

Sustaining Members are asked to consider sponsoring the event at one of these levels:

Gold Sponsor \$500
Silver Sponsor \$250
Bronze Sponsor \$100

Be sure to mark your calendars!

To make your reservation, or be a sponsor, contact Mark Kessinger at 304-399-5083.



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Sustaining Member of the Month



Novel Geo-Environmental, LLC (NGE), an 8(a) Certified, full-service environmental and geotechnical consulting firm, continues to expand their services by providing environmental construction, remediation, and operation and maintenance services. Led by a management team that averages over 15 years of experience, NGE provides quality geotechnical and environmental services to industrial based clients and a small sampling of public sector clients. Our management staff includes professional engineers, geologists, consultants, construction managers, and foremen with experience in a broad range of technical disciplines.

With offices located in Pennsylvania and West Virginia, NGE performs the majority of our work with our in-house, OSHA 40-hour trained field staff, construction equipment operators, and field technicians. The result is the implementation of safe, efficient, and cost effective environmental solutions.

Specialties

NGE's staff takes pride in the quality of work performed for their clients. Areas of expertise include:

- Environmental Consulting
- Geotechnical Engineering
- Environmental Construction and Remedial Services
- Construction Monitoring
- Materials Testing