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○ JULY 2011

○ www.samerobins.org

THE FLYER

Newsletter of the Robins AFB Post: Society of American Military Engineers



Preview of July 2011 SAME Presentation, entitled "Wastewater: Re-Use It or Lose It!". This presentation will be given by Mr. Paul Smith of URS Corp.

Wastewater: Re-Use It or Lose It!

With recent news of shortages and images of dry reservoirs, the need for water conservation has become a reality. And yet a significant portion of our clean water is effectively wasted in applications that do not require "drinking" quality water. These "non potable" uses include industrial process use and irrigation of various kinds. Worse still, much of this water is supplied through the municipal water systems and treated to high standards, with a direct price tag in dollars and a less obvious cost to the environment due to the energy required for treatment.



Treated wastewater effluent has thus become recognized as a resource rather than a nuisance. As our population levels increase, so does the impact of pollution upon our natural water resources. With increasingly more stringent limits placed upon the discharge of wastewater effluents to the local environment, many publically owned (wastewater) treatment works (POTW's) have been required over the past few years to upgrade treatment facilities, in many instances to provide tertiary treatment. The resulting treated effluent is of such high quality that it is ideally suited for beneficial reuse.

This presentation will provide an overview of the factors driving the development of effluent reuse systems, with particular emphasis on future development in Georgia with reference to the now firmly established systems and public acceptance of reuse water in neighboring Florida. The presentation will examine the trends, challenges and issues propagating water shortages and the need for conservation. The presentation will also provide an overview of potential reclaimed water end uses, and the challenges to be overcome, including system costs and limits of application.

Presenter's Bio: Paul Smith, III

Mr. Paul Smith, III is a Senior Project Manager with URS / BP Barber and the Regional Manager of URS / BP Barber's Charleston office. In addition, Mr. Smith is BP Barber's Market Leader for Wastewater Treatment. He has more than 18 years of experience with wastewater treatment systems engineering, including associated planning, design, permit applications, bidding, and construction administration/ observation. Mr. Smith is a Registered Professional Engineer in South Carolina (No. 18751), North Carolina (No. 034921) and Kentucky (No. 25960). He has a Bachelor of Science in Ceramic Engineering from Clemson University and a Master of Science in Environmental Engineering from the Georgia Institute of Technology.



The next Robins Post General Meeting will be held on **20 July 2011 at 11:30 am**. The meeting will be held in the Horizon's Atrium. All are welcome.

Upcoming Dates in 2011

20 July: 1130 hours: SAME General Meeting immediately preceded by the SAME Robins Post Board/Officer's meeting. A presentation on ways to reuse wastewater will be given by a consultant of URS Corp.

17 August: 1130 hours: SAME General Meeting immediately preceded by the SAME Robins Post Board/Officer's meeting. A presentation will be given by the 78th Civil Engineering Group entitled, "CE Program Review".

17 - 19 August: SAME Post Leaders Workshop in Alexandria, VA. Please visit www.same.org for more details.

18-20 October: The 2011 South Central/South Atlantic Regional Conference will be held at Sandestin Golf and Beach Resort. Please visit: <http://www.regonline.com/builder/site/Default.aspx?EventID=892121> for more details.

October: Annual Fall SAME Golf Tournament. Date TBA.

Need Base Access?

For those of you that work outside of the gates and need to be sponsored in order to attend the general SAME meeting, please submit your name, phone number, and email address to the Robins SAME Post Secretary (esther.lee@robins.af.mil) by July 15th.

On the day of the meeting, come in through the Main Gate (the Watson Boulevard gate) and stop by the Visitor's Center. Please have your driver's license, proof of insurance, and vehicle registration handy as you will be required to show these before your pass is issued.

SAME Spotlight: Member of the Month



Mr. Arthur (Art) Warner holds a Bachelor of Science Degree in Management and Associate Degrees in Civil Engineering and Mechanical Design. He is a certified GIS professional with over 25 years of experience in applying GIS technologies to civil engineering and environmental disciplines. Mr. Warner has developed, directed, and completed numerous, major wa-

ter, wastewater, and other infrastructure-related projects, linking infrastructure and other cadastral data with GIS and other mapping, modeling, graphical, and data management tools. His project experience includes significant GIS projects with Denver, Dallas and Cincinnati's Water Utility systems.

Art is very active in Houston County Habitat for Humanity, and is Chairman of the Construction Committee. In addition to serving on the construction committee, Art is a regular construction volunteer working on his ninth consecutive home.

Art is the Office Manager for MACTEC/AMEC's Warner Robins office and is very active with the Robins AFB GeoBase program, recently completing the design and development of the Robins AFB Energy Dashboard.

SAME Mission

"To promote and facilitate engineering support for national security by developing and enhancing relationships and competencies among uniformed services, public and private sector engineers, and related professionals."

SAME Vision

"To be a premier global engineering organization leading the professional and personal growth of all members in support of military readiness and development of solutions to national security challenges."

Troop 220 says "Thanks!" to the Commissary and Military Families

Troop 220 took time on a hot and humid, Thursday afternoon to thank the Commissary and its patrons for supporting the scouts' recent fundraising efforts that culminated in the purchase of a brand new equipment trailer. In conjunction with the Commissary's "Sidewalk Sale" for the Fourth of July Weekend, the Troop was able to help the Commissary by handing out coupons at the door and at the same time say thanks to the patrons for helping the Troop with its fundraising needs. About half of the funds raised toward the new trailer were raised on base. The Troop thought it was important to personally thank the military families that supported this worthwhile cause and to show off the brand new trailer at the same time.



The fundraising efforts began in March and carried through May with the scouts selling \$5 discount cards, the proceeds were split between the Central Georgia Council, the Troop and the individual boys to help them attend Summer Camp. The Troop portion was designated to the purchase of a brand new 6 ft x 12 ft V-Nose equipment trailer to replace the small, homemade trailer the unit has used for over a decade. The new trailer couldn't have come at a better time, with the Troop feeling growing pains and the old trailer beginning to show its age. Assistant Scoutmaster, Jeff Peets (Retired MSgt, USAF) calls the new trailer a "great morale booster that will benefit not only the current Troop 220 scouts but potentially hundreds more well into the future of the Troop".



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Sustaining Member Spotlight:



MARTA Solar Canopies in Atlanta, GA built by New South Construction Company

New South Construction Company is proud of its history, its reputation, and outstanding industry rankings, and since our first project, twenty-one years ago, New South has believed that service to our customers would provide and establish a path for our company's future. From day one our foundation has been based on taking care of our clients and it has paid off handsomely as the majority of our projects today consist of repeat business and referrals, proving we have undoubtedly succeeded in our early mission.

New South Construction cares about the environment too. With our 19 in house LEED professionals, we make a strong effort to include elements of sustainable construction in all of our projects. This protects the environment, as well as helping to increase the long-term value of the end product.

We have experience with projects in several different markets including Aviation, Criminal Justice, Education, Religious, and Industrial. With offices in Atlanta and Savannah, New South Construction offers general contracting services for the entire state of Georgia.

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Are you with a Sustaining Member Firm?
If you would like to become one, or if you are not sure of your company's registration status, please contact Mr. Paul Koch, our Sustaining Member Director, at 478.923.5999 or pdkoch@mactec.com.

Accepting Abstracts

We are currently accepting abstracts for presenters and Presentations in 2011. Let us know what presentation topics or presenters would most interest you. We want to know what is important to you. Please contact Mr. Ken Branton at kenneth_branton@urscorp.com with feedback or for more information.