



# The Western Palmetto Informer

American Institute of Chemical Engineers

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## Contact Information

Visit our website:

<http://wsc.aiche.org>

Email us at:

[sec@wscaiche.org](mailto:sec@wscaiche.org)

## March Meeting Thank You

I think everyone can agree that March's meeting "Wicked Cool Excel Magic Tricks and Macros" by Dr. Fred Weber of Process Engineering Associates was a rousing success. Fred did a fantastic job of introducing the crowd to a wide variety of Excel functions that hitherto, had been seen by very few in the audience. Many of his teachings could be implemented on the job immediately. Hopefully, we'll see future installments of this learning series.

## NEXT MEETING

### April Meeting: "Plant Tour of the ReWa Mauldin Road Waste Water Treatment Plant"

Renewable Water Resources "ReWa" is a special purpose district which provides wastewater trunk line and treatment plant services to over 400,000 customers in its service area which includes most of the County as well as portions of several adjacent counties, covering a total of 523 square miles. ReWa maintains 290 miles of major sewer trunk lines/gravity sewer and operates 9 major treatment facilities. The total permitted capacity of these plants is over 127 million gallons per day, with a current daily flow of 37 million gallons.

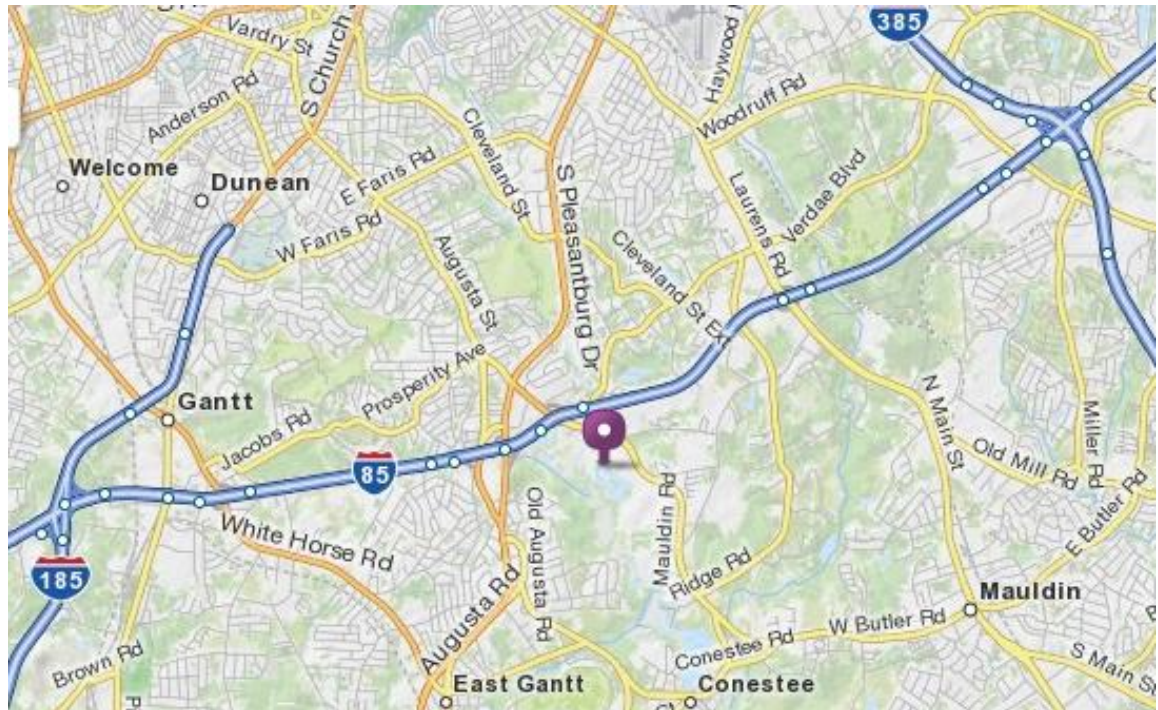
The Mauldin Rd wastewater treatment plant is ReWa's largest facility, permitted at 70 MGD with an actual average daily flow of 14.3 MGD. Mauldin Rd's preliminary treatment consists of headworks, coarse and fine screen debris removal, and grit removal followed by primary clarification. Secondary treatment consists of biological nutrient removal, secondary clarification, then deep bed filtration, UV disinfection, and re-aeration. The solids treatment process uses anaerobic digestion and has a unique septage, grease and scum receiving station which enhances the digestion process. The treated solids are stored and ultimately utilized for land application. Also, as part of its 20 Year Strategic Plan, ReWa is currently implementing a Combined Heat and Power (CHP) project which will use the methane produced from the digesters to generate 'Green Power' and will use the heat recovered from the generators for process heating.

## APRIL MEETING SUMMARY

- TOPIC:** Plant Tour of the ReWa Mauldin Road Waste Water Treatment Plant
- PLANT TOUR:** ReWa Mauldin Road Waste Water Treatment Plant
- DATE:** Tuesday, April 12, 2011
- TIME:** 6:00 PM Dinner / ReWa Presentation / Safety Brief / Tour
- LOCATION:** **Administration Building (across from plant)**  
561 Mauldin Road  
Greenville, SC 29607
- DIRECTIONS:** See map
- COST:** \$5 for Members  
\$10 for Non-members  
Free to Attend Tour Only

Please reply to Secretary Alan Vibber at [sec@wscaiche.org](mailto:sec@wscaiche.org) by Friday, April 8, 2011.

We will meet at the Administration Building which is located across the street from the plant. We will enjoy a meal there and then tour the plant located across the street. The admin building just got LEEDS certified at Silver Level and should be a real treat.



## WSCAIChE's \$1000 Clemson Scholarship Recipient

Congratulations go out to Allan Randall. Allan was the recipient of this year's WSCAIChE scholarship. The scholarship is awarded annually and all Clemson Chemical Engineering Seniors and Juniors with projected graduations between August 2011 and May 2012 were eligible to apply. Allan's outstanding essays and strong leadership qualities pushed him into the number one ranking for our yearly award. We wish Allan the best for his future in Chemical Engineering.



## 2010-2011 Calendar of Events

DATE	LOCATION	TOPIC
29 Mar 2011	Carolina First Center	Science Fair Judging for the Greenville County Science Fair Dinner at 5:00. Judging begins at 5:30
12 Apr 2011	ReWa Mauldin Rd WWTP	Plant Tour of the ReWa Mauldin Road Waste Water Treatment Plant
28 May 2011 (Saturday)	Fluor Field	Greenville Drive Baseball Game Social 7:00 PM vs. Kannapolis Intimidators

*Active participation in professional societies as well attending our professional and technical presentations count towards Continuing Professional Competency requirements for Licensed Professional Engineers. Upon request, the Section Secretary can provide attendance verifications for this purpose to our members.*

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## Greenville County Science Fair

The WSAIChE is proud to support the Greenville County Science Fair. This year we are awarding three \$50 special awards to Junior projects and one \$50 special award to a Senior project, in addition to donating \$100 for a bronze level fair sponsorship.

WSAIChE also provides support in the judging process. Our judges this year are Mary Ferris, Michael Thompson and Shelly Thompson. PLEASE CALL Mike Thompson if YOU TOO want to go play science fair judge!!

The science fair will be held Tuesday March 29 at the Carolina First Center. Dinner starts at 5:00 PM with Special Awards Judging beginning at 5:30 PM.

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## 50-Year Members

The WSCAIChE Officers and Executive Committee would like to recognize and congratulate James S. Lick and Emil E. Spieth who have been AIChE members for 50-years.

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## 2010-2011 Officers and Executive Committee

This is YOUR local section of the American Institute of Chemical Engineers. If you have ideas or concerns regarding operation of the WSCAIChE OR if you're a member with a desire to serve, please contact any of the Officers or Executive Committee members listed below.

POSITION			
Chair	NAME	EMAIL	PHONE
Chair	Rick Vogel	rvogel1@hotmail.com	864-254-6474
Vice-Chair / Treasurer	Mike Thompson	michael.thompson@dayzim.com	864-940-6464
Secretary	Alan Vibber	sec@wscaiche.org	864-554-3906
Webmaster	Mohammad Fatayerji	mohammad.fatayerji@jacobs.com	864-283-2166
Other Executive Committee Members are: Mary Ferris, Eugene Gill, David Harshbarger & David Laursen.			

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## SAVE THE DATE: May Social - Greenville Drive Baseball Game - May 28th, 2010

The great turnout from last year's WSCAICHe family night brings us back to another great social at Fluor Field at the West End to watch a Greenville Drive baseball game and fireworks. The Kannapolis Intimidators will play at Fluor Field versus the Greenville Drive on May 28<sup>th</sup> at 7:00 pm. WSCAICHe has reserved seats and will help provide dinner for members and their families. Tickets will be selling for \$10 each and the Treasurer will provide each attendee \$10 towards dinner for the night. Pretty good deal!!

Get your ticket requests into the WSCAICHe secretary ([sec@wscaiche.org](mailto:sec@wscaiche.org)) by the plant tour on April 12<sup>th</sup> for a "guaranteed" ticket. Post April 12<sup>th</sup> requests will be handled on a first come (and paid), first served basis. Members, immediate family, and one guest are permitted.

Please Note:

1. Children 2 or under can get into Fluor Field free. By requesting a ticket they will have their own seat.
2. Pay the Treasurer, Mike Thompson, \$10 for each reserved ticket by May 14<sup>th</sup> or risk losing your "guaranteed" status.
3. On game day you will receive your tickets, \$10 for each member and family member. Only members and immediate family receive the \$10 toward dinner.
4. Have a great time at the game.

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## Officer Nominations Needed

Feel a NEED TO SERVE and HELP OTHERS? Consider becoming a WSCAICHe Officer! Due date for Officer Nominations will be 12 Apr 2011. Feel free to nominate yourself. All nominations are to be sent to the WSCAICHe Secretary at [sec@wscaiche.org](mailto:sec@wscaiche.org).

You may nominate the following positions:

- Chair
- Vice-Chair
- Treasurer
- Secretary