



FWEA

West Coast Chapter

3rd Quarter 2014

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Registration*

UPCOMING EVENTS

*°FWEA West Coast Chapter
Annual Roundtable Luncheon –
Brio International Plaza
– September 18, 2014*

*°Dr. JB Neethling - USF Campus
– November 19, 2014*

CONFERENCES

WEFTEC

9/27/14 – 10/1/14

**Morial Convention Center
New Orleans, LA**

USF STUDENT CHAPTER UPDATE

Kappe Lecturer, Dr. JB Neethling, comes to USF to Speak About N and P Removal Challenges

The University of South Florida will be hosting Dr. JB Neethling as the 2014 American Academy of Environmental Engineers and Scientists (AAEES) Kappe lecturer. Dr. Neethling is a senior Vice President and Technical Director for Wastewater with HDR Engineering, Inc. The title of the public lecture is: *Recalcitrant Nutrient Species Challenge Ability to Meet Low Nutrient Targets Reliably*. The lecture will touch on water quality impacts of nutrients, nutrient removal principals, factors affecting BNR process performance and strategies to improve BNR reliability. The lecture will be held at USF on November 19th at 3:00 PM, with location still to be determined. The student chapter invites all professionals to attend this event, and will provide further details about the lecture as they are available. More information regarding the Kappe Lecture Series can be found <http://www.aaees.org/kappelecturer.php>.

With the send of the summer semester coming to an end and the beginning of a new school year, the FWEA at USF student chapter has begun to start recruitment within USF community. The student chapter is working hard on campaign presentations to present to undergraduate as well as graduate students about the benefits of joining an engineering society such as FWEA. With the emphasize to increase student involvement within the university through volunteer efforts, chapter meetings and guest lectures, the student chapter is looking to increase the student involvement within the professionals community through such activities as the FWEA quarterly luncheons and plant tours. While membership as a student is very beneficial, the student chapter is expressing the benefits of continuing the FWEA membership after graduation as a young professional. To assist in this recruiting effort, the student chapter is seeking volunteers to come to one of our monthly meetings and give a brief presentation about your company, a project you are or have worked or your role in FWEA. If you are able to be a speaker please contact George at georgedick@mail.usf.edu.



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3rd Quarter Luncheon Guest Speakers


Backyard BNR

Florida Onsite Sewage Nitrogen Reduction Strategies Study

Approximately 25 percent of the U.S., and 30 percent of Florida's population relies on onsite wastewater systems (OWS) for wastewater treatment. Nutrient loading from many sources including OWS has received increased attention from water quality regulators and the public in many watersheds. Nitrogen in particular is an important nutrient of concern for water quality, and nitrate-nitrogen represents perhaps the most common groundwater pollutant from OWS. The environmental effects of excess nitrogen on groundwater and surface water can ultimately lead to the degradation of water quality, since excess nitrogen loading can lead to algal blooms and oxygen depletion in surface waters, which can be harmful to natural aquatic life. The protection of watersheds and surface water bodies from excess nitrogen loading has led to increasing regulatory actions requiring nitrogen reduction from OWS in areas such as the Florida Keys, Chesapeake Bay, and Cape Cod, to name a few. In Florida, the degradation of water quality in the many freshwater springs and nitrogen limited estuarine surface water bodies has led to legislation requiring protection of these areas, including requirements for nitrogen reducing OWS. The Florida Department of Health (FDOH) initiated the Florida Onsite Sewage Nitrogen Reduction Strategies (FOSNRS) Project to research, develop, construct and test different onsite wastewater treatment systems to address nitrogen reduction from OWS. As part of the FOSNRS project, passive nitrogen reduction systems (PNRS) were developed and pilot tested and are now being evaluated at homes in Florida. The goal of these systems is to reduce nitrogen inputs to watersheds where OWS have been identified as a significant source of nitrogen.




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Luncheon Meeting

3rd Quarter 2014

Luncheon Information Columbia Restaurant

2117 East 7th Avenue
Tampa, Florida 33605-3903
Thursday, August 21, 2014

- Registration - 11:30 AM
- Lunch - 12:00 PM

Menu

1905 Salad - Crisp iceberg lettuce with julienne of baked ham, natural Swiss cheese, fresh tomato, olives, grated Romano cheese and garlic dressing.

Option 1 - Arroz con Pollo

Chicken baked with yellow rice, green peppers, Spanish onions, tomatoes, white wine and virgin olive oil. Topped with green peas and pimientos.

Option 2 - Boliche "Criollo"

Roasted eye round of beef stuffed with chorizo and roasted in a flavorful gravy. Served with black beans, white rice and platanos.

Option 3 - Merluza "Russian Style"

Premium Atlantic Merluza, a tropical white flaky fish, breaded with Cuban bread crumbs and grilled. Garnished with a Russian sauce of lemon butter, parsley and hard boiled eggs. Served with yellow rice.

Option 4 - Vegetarian

Dessert - Godiva Chocolate Cake

About the Speakers:

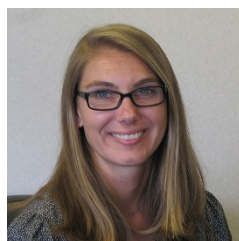
Guest Speaker: Damann L. Anderson, P.E.

Damann is an environmental engineer with over 35 years' experience in water and wastewater engineering. Mr. Anderson has been a leader in applied research related to onsite wastewater treatment systems (OWTS) and the impacts of



land disposal of wastewater on water quality for over 3 decades, with recent focus on nutrient reduction technologies for OWTS. He has authored over 50 publications on the results of his work, which have appeared in technical journals, engineering manuals, and conference proceedings nationwide. Mr. Anderson is currently Vice President with Hazen and Sawyer, P.C., and manages their Tampa, Florida office. Damann received his B.S. degree in Engineering from Arizona State University and his M.S. degree in Civil and Environmental Engineering from the University of Wisconsin-Madison.

Guest Speaker: Josefin E. Hirst, P.E.



Josefin is a Senior Principal Engineer with Hazen and Sawyer, P.C. Since joining the firm in 2005, she has worked on a wide variety of wastewater treatment design, planning, pilot testing and construction projects. Josefin holds a B.S. degree in Biosystems Engineering from Clemson University. She is currently a graduate student in the Soil and Water Science department at the University of

Florida. Josefin is the project engineer for the Florida Onsite Sewage Nitrogen Reduction Strategies study which will be the topic of discussion.

Full Members: \$22 for those pre-registered, \$25 at the door * Student Members: \$22 for those pre-registered.

Registration Form

Pre-Registration Deadline: Tuesday, August 19th (Also Register through FWEA.org)

Please make checks payable to FWEA

Name: _____

Company/Affiliation: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Choice of Meal: _____

Send Check and Registration to:

Ricardo Borromeo

Wade Trim

8010 Woodland Ctr. Blvd., Suite 1200

Tampa, Florida 33614

Tel: (813) 882-4373

Fax: (813) 888-7215

E-mail: rborromeo@wadetrim.com

Register Online http://mms.fwea.org/members/evr/reg_event.php?orgcode=FWEA&evid=9586269



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West Coast Chapter

3rd Quarter 2014

UPCOMING EVENTS

FWEA WEST COAST CHAPTER

PRESENTS



Save the Date THE FUTURE OF POTABLE REUSE IN FLORIDA

ANNUAL ROUNDTABLE LUNCHEON

PANELISTS



Bart Weiss | Moderator | Director Utility Support Div., Hillsborough County
Janet G. Llewellyn | Policy Administrator, Office of Water Policy, FDEP
Mark Hammond | Resource Management Director, SWFWMD
Janice "Nan" Bennett | Public Utilities Assistant Director, City of Clearwater
Jeffrey A. Cunningham | Associate Professor, University of South Florida



SEPTEMBER 18, 2014

11:30am REGISTRATION | 12:00pm - 1:30pm LUNCH/PROGRAM



BRIO INTERNATIONAL PLAZA

2223 N. West Shore Blvd. | Tampa, FL 33607

REGISTRATION INFORMATION TO FOLLOW

For more information contact:

Alice Varkey

Conestoga-Rovers & Associates

avarkey@CRAworld.com

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(Black & Veatch)

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(Wade Trim)

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(Jacobs Air Water Systems)

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(Conestoga-Rovers & Associates)

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(Hazen and Sawyer) and Nita Naik
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