

FWEA Manasota Chapter

VOL 2 - MAY 2010

Message from the Chair

*By Kristiana Dragash,
Chair of FWEA Manasota Chapter*

I want to extend sincere thanks to those who helped to make the first Manasota Chapter luncheon a success. Approximately 30 people attended, making the room inside the Polo Grill a perfect fit. For the upcoming luncheons, we will be in the Florida Room in the Fête Catering facility (directly adjacent to the Polo Grill). We hope to fill this spacious room so please invite your friends and coworkers.

Mark McNeal gave an excellent presentation on the history of the development and operation of the Englewood Water District Reclaimed Aquifer Storage and Recovery (ASR) project, the first permitted and operational reclaimed water ASR well in Florida. Thank you, Mark, for sharing your experience with us!

John Giachino, the FWEA president elect on the Board of Directors, came from Orlando to help us launch our new chapter. Support from the Board of Directors regarding the formation of the Manasota Chapter was unanimous in the FWEA leadership meeting this past February. A special thanks to John and the rest of the Board of Directors for their support.

The next piece of news comes with mixed emotions. I am very happy to announce that Mike Demko has accepted a new position. Unfortunately, the position is outside of Florida so Mike has relocated. It is an honor to act as the chair of the Manasota Chapter and serve the local FWEA members in his absence, and I thank Mike for all of his guidance and hard work.

Lastly, I would like to thank the steering committee. None of this is possible without them and they continue to do an excellent job. Please contact me if you would like to be a part of our team!

Mark McNeal gave a presentation on the development of the Englewood Water District reclaimed ASR well at the inaugural Manasota Chapter luncheon held in February.



FWEA Manasota Chapter Steering Committee Officers

Chair

Kristiana Dragash: 941.378.3579

Treasurer

Mike Sheehan: 941.925.3088

Secretary

Kristiana Dragash: 941.378.3579

Communications

Laura Baumberger: 941.371.9832

Content

James McLellan: 941.358.1440

Young Professionals

Josefin Edeback: 813.630.4498

Membership

Rachel Cantor: 813.286.2075

At Large

Jim Lamancusa: 941.378.3579

Glenn Marzluf: 941.365.2200

Peter Bonk: 941.792.8811

Carlyn O'Reilly: 941.342.1306

Matthew Gribbins: 941.342.1306

*If you are interested in participating as an officer
or on the steering committee, please contact us.*

THANK YOU!

We would like to sincerely thank our newsletter sponsors who have made this chapter formation possible. You will see their advertisements throughout the newsletter. If you would like to advertise in future editions,

*Please contact
Laura Baumberger at
941.371.9832*

Complete Wastewater, Reuse, & Potable Water Engineering Services

*Offices throughout
Florida and the U.S.*

*Planning, Design,
and
Construction Management*

carollo

Engineers...Working Wonders With Water™

941 • 371 • 9832
www.carollo.com

**JONES
EDMUNDS**
ENGINEERS | ARCHITECTS | SCIENTISTS

Improving
Quality of Life

www.jonesedmunds.com • 800.237.1053

FWEA Safety Corner: *It's Hurricane Season Again!*

By Mike Sheehan, Regional Safety Advisor, Severn Trent Services

With another hurricane season approaching soon, it is always best to plan ahead to reduce risks and impacts. Hurricane season officially begins June 1 and continues through November 30. One deadly concern is storm surge, which is an increase in sea level height, where storm waters can come ashore several hours before the eye of the storm makes landfall and destroy low elevation coastal areas. For planning purposes, below is a summary of hurricane categories, sample action plans, sample emergency provisions, and some interesting factoids.

Hurricane Categories:

- ▶ Category 1: Winds 74-95 mph, with flooding up to 4-5 feet.
- ▶ Category 2: Winds 96-110 mph, with flooding up to 6-8 feet.
- ▶ Category 3: Winds 111-130 mph, with flooding up to 9-12 feet.
- ▶ Category 4: Winds 131-155 mph, with flooding up to 13-18 feet.
- ▶ Category 5: Winds over 155 mph, with flooding greater than 18 feet.

Sample Hurricane Action Plan:

- ▶ Phase 1: Advance Planning and Preparation (Do Now)
- ▶ Phase 2: Hurricane Standby (within 72 hours of expected landfall)
- ▶ Phase 3: Hurricane Watch (within 36 hours)
- ▶ Phase 4: Hurricane Warning (within 24 hours)
- ▶ Phase 5: Mandatory Evacuation (within 12 to 16 hours)
- ▶ Phase 6: During & After the Storm

Not a Member of FWEA?

*Contact your Membership Chair, Rachel Cantor
at 813-286-2075 or
visit www.fwea.org for more information.*

SAMPLE EMERGENCY PROVISIONS

Fully fueled vehicles with emergency supplies	Enough food and water for up to 7 days
Fully charged cell phones and extra batteries	One gallon of water per person per day
Fully stocked freezer/refrigerator	Ready to eat meats, fruits, vegetables
First aid supplies, prescription medications	High-energy foods: peanut butter, jelly, nuts
Whistle, air horn, and other warning devices	Cereal, snacks, trail mix, granola bars
Flash lights, radios, and extra batteries	Grill with propane or dry charcoal
Cell phone battery charger for car	Portable/camp sterno cooking stove
Matches in waterproof containers	Enough clothing and supplies for up to 7 days
Shut-off wrenches, pliers, and other tools	Extra shoes, boots, socks, rain gear, blankets
Personal identification, cash, coins, credit cards	Extra glasses, sunglasses, contact lenses
Extra house and car keys	Toilet paper, toothpaste/brush, soap/shampoo
Inventory of household goods (video or cd-rom)	Insect repellent, sun screen, lip balm
Spare auto tires, fix-a-flat kits, bicycles	Plastic garbage bags, medium bucket with lid
Phone numbers for emergency & work contacts	Duct tape, plastic sheeting, manual can opener
Phone numbers of family and friends	Battery powered fans and extra batteries
Fire extinguisher, flares, booster cables	Extension cords, rope, lanterns, hand saws, pry bar
Camera, film, battery operated alarm clock	Folding chairs, cots, hammocks, sleeping bags

SAMPLE SUGGESTIONS

- Turn temperature lower on freezer/refrigerator.
- Place perishables in freezer to extend freshness.
- Charge cordless phones, drills, and tools.
- Fill bath tub with water (for washing).
- Fill coolers with ice and food.
- Stay away from windows; close interior doors.
- Majority of injuries are due to flying glass/debris.
- If home floods, do not use any electrical devices.
- Brace external doors and board all glass windows.
- Consider children, elderly, pets, and neighbors.
- Store outside furniture, plants, etc., indoors.
- Leave/evacuate early to avoid being trapped.
- Let others know where you are going.
- Look up and around for electrical power line damage.
- Assume water around you is not safe to drink.
- Cut wood for windows to size, pre-drill holes, and label pieces.
- Add wood inside of windows to prevent blowing in.
- Buy protective car covers to minimize damage.

HURRICANE FACTOIDS

- Hurricanes spin counter-clockwise.
- Hurricanes typically move west/northwest.
- Rains are usually heaviest with slow moving storms.
- Rains are heaviest on the right side of the cyclone.
- Rains are heaviest 6 hours before and 6 hours after landfall.
- Only 8 of 110 Atlantic storms have been Category 4-5.
- About 54 percent of major FL hurricanes strike in September.
- Hurricanes can sometimes last up to 28 days.
- The longest Category 5 storm duration is 3 days.
- Tornados are most common in the right front quadrant.
- Don't walk or drive on roads if you can't see the street.
- Water may be energized by live wires you can't see.
- Roads may have lots of glass & sharp debris.
- Rooms with sliding glass doors can be most dangerous.
- Stay in a closet, bath room, or interior room.
- Raise items off the floor (bedding, computers, etc).
- Never use generators if they are wet.
- Boil water for 3 minutes to disinfect, then allow to cool.



advancing*innovation™

We are focused on client needs, bringing decades of engineering and scientific experience to every project.

Water | Wastewater | Water Quality | Watersheds
Water Supply | Modeling & GIS

Tampa | North Port | Miami | Jacksonville | Orlando | West Palm Beach



100% Environmental | Employee Owned | Offices Nationwide
BrownandCaldwell.com



One Team. Infinite Solutions.
Water and wastewater solutions with the future in mind.



In Sarasota, call (941) 365-5500

Stantec

Global Expertise. Local Strength. Powered by People.

FWEA WEST COAST AND MANASOTA CHAPTERS

YOUNG PROFESSIONALS



It's time for a Plant Tour!

Friday, June 4th

9:00 AM

96-MGD Capacity

Howard F. Curren AWTP

2700 Maritime Blvd, Tampa, FL 33605

Reserve your spot by Friday, May 28th

Contact Josefin Edeback at 813-630-4498

or

jedeback@hazenandsawyer.com to

reserve your spot!

ADVERTISE HERE!

Consider advertising your company in the FWEA Manasota Chapter Newsletter and show your sponsorship of our organization.

Contact *Laura Baumberger*
for advertising sizes and rates: 941-371-9832



GREELEY AND HANSEN

Designing better urban environments

water Tampa (813) 873-3666

wastewater Sarasota (941) 378-3579

water reuse Ft. Myers (239) 226-9660

www.greeley-hansen.com

Quality. Integrity. Commitment.

Full-Service Consulting Nationwide:

- Water and Wastewater Engineering
- Environmental Permitting, Assessments, and Remediation
- Landscape Architecture/Urban Design
- Traffic/Transportation Engineering
- Bridge and Roadway Design
- Intelligent Transportation Systems
- Land Development Engineering/Planning
- Airport Planning/Design
- Forensic Engineering



www.kimley-horn.com

HAZEN AND SAWYER
Environmental Engineers & Scientists

Engineering Excellence

*Providing Customized Solutions
to Environmental Challenges*

Hollywood • Coral Gables • Boca Raton • Fort Pierce
Sarasota • Tampa • Orlando • Jacksonville

www.hazenandsawyer.com



**Kimley-Horn
and Associates, Inc.**

2601 Cattlemen Road, Suite 200 • Sarasota, FL 34232-6249
Ph: 941.379.7600 • Email: ashley.miele@kimley-horn.com

May Luncheon Meeting - May 27, 2010

Nutrient Regulations: Where are We Headed?

by Rod Reardon, P.E.

Abstract

The proposed settlement agreement intended to resolve a lawsuit between the U.S. EPA and a coalition of environmental groups over the need to set numeric nutrient criteria (NNC) for surface waters in Florida will have severe consequences for Florida's wastewater utilities and the customers they serve. If the expected NNC to be proposed by EPA are implemented in the state's water quality regulations, all Florida wastewater facilities that discharge reclaimed water to rivers, streams, and lakes will be required to meet new, very low limits on the discharge of total nitrogen and phosphorus.

This presentation will provide an overview of nationwide NNC activities, the status of the proposed NNC rule for Florida, a summary of the current performance of Florida advanced wastewater treatment plants relative to the proposed regulations, and a brief summary of technologies that might be used to meet the criteria.

Rod Reardon, P.E.

Mr. Reardon is an environmental engineer with over 32 years of experience in the study, design, and operation

of municipal wastewater facilities. He works for Carollo Engineers in Orlando, FL, and has particular expertise in advanced wastewater treatment processes, including membrane technologies, for the removal of nitrogen and phosphorus, and for reclamation and reuse.

Mr. Reardon has worked on a wide variety of environmental engineering projects including facility plans, water and wastewater transmission systems, and numerous wastewater treatment plants, ranging from 0.1 to over 600 mgd. He managed an innovative wastewater facility capacity study that won the Grand Prize in Research in the American Academy of Environmental Engineering, Excellence in Environmental Engineering competition.

Mr. Reardon is active in WEF and was the Task 1 Volume Lead for the 5th Edition of Manual of Practice No. 8 - Design of Municipal Wastewater Treatment Plants (MOP 8). Previously, he co-authored the chapter on nutrient removal in the 3rd and 4th Editions of MOP 8 and a chapter on the costs of nutrient control in a WEF special publication, *Biological and Chemical Systems for Nutrient Removal*.

FWEA MANASOTA CHAPTER LUNCHEON MEETING

FÊTE/POLO GRILL

10670 Boardwalk Loop, Lakewood Ranch, FL 34202

Registration - 11:30 • Lunch - Noon • Program - 12:15

Fête House Salad - Mesclun greens with walnuts, sun-dried cherries, and white balsamic vinaigrette.

Choice #1 - Rosas Farms Organic Burger on pretzel bun with cheddar cheese.

Choice #2 - Chilled Asian Noodles with Lemongrass Grilled Chicken with wasabi-mirin dressing and pickled daikon.

Dessert - Freshly Baked Chocolate Chunk Cookies.

Cost: \$20 for online pre-registration • \$23 for pre-registration by mail, phone, fax, or e-mail • \$25 at the door

Pre-registration deadline: Friday, May 21

REGISTRATION FORM - for those not pre-registering online

Registration can be made by mail, phone, fax, or e-mail, with payment mailed in advance or collected at the door.

Name	Company/Affiliation	Phone	Choice of Meal
------	---------------------	-------	----------------

You can register online at www.fwea.org or register by phone, fax, or e-mail to Kristiana Dragash
2601 Cattlemen Road, Suite 100, Sarasota, FL 34232
Ph: 941-378-3579 • Fax: 941-378-9489 • E-mail: kdragash@greeley-hansen.com