

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

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

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

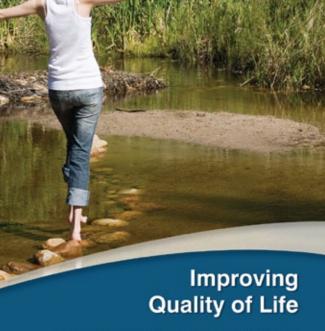
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By Mike Sheehan, Regional Safety Advisor, Severn Trent Services

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 EMERGENCY PROVISIONS

SAMPLE SUGGESTIONS	HURRICANE FACTOIDS			
Turn temperature lower on freezer/refrigerator.	Hurricanes spin counter-clockwise.			
Place perishables in freezer to extend freshness.	Hurricanes typically move west/northwest.			
Charge cordless phones, drills, and tools.	Rains are usually heaviest with slow moving storms.			
Fill bath tub with water (for washing).	Rains are heaviest on the right side of the cyclone.			
Fill coolers with ice and food.	Rains are heaviest 6 hours before and 6 hours after landfall.			
Stay away from windows; close interior doors.	Only 8 of 110 Atlantic storms have been Category 4-5.			
Majority of injuries are due to flying glass/debris.	About 54 percent of major FL hurricanes strike in September.			
If home floods, do not use any electrical devices.	Hurricanes can sometimes last up to 28 days.			
Brace external doors and board all glass windows.	The longest Category 5 storm duration is 3 days.			
Consider children, elderly, pets, and neighbors.	Tornados are most common in the right front quadrant.			
Store outside furniture, plants, etc., indoors.	Don't walk or drive on roads if you can't see the street.			
Leave/evacuate early to avoid being trapped.	Water may be energized by live wires you can't see.			
Let others know where you are going.	Roads may have lots of glass & sharp debris.			
Look up and around for electrical power line damage.	Rooms with sliding glass doors can be most dangerous.			
Assume water around you is not safe to drink.	Stay in a closet, bath room, or interior room.			
Cut wood for windows to size, pre-drill holes, and label pieces.	Raise items off the floor (bedding, computers, etc).			
Add wood inside of windows to prevent blowing in.	Never use generators if they are wet.			
Buy protective car covers to minimize damage.	Boil water for 3 minutes to disinfect, then allow to cool.			

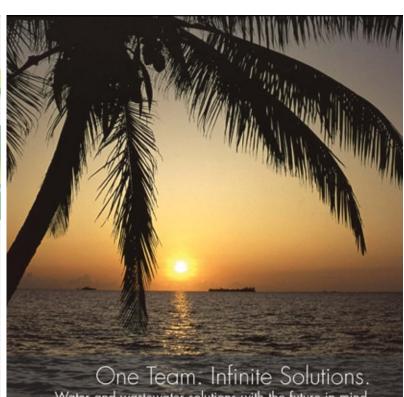


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Nutrient Regulations: Where are We Headed? by Rod Reardon, P.E.

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				