

Field & Upstream

Serving treatment plant and systems operators in Hillsborough, Manatee, and Sarasota Counties

From The Director

Hope this newsletter finds everyone safe and healthy out there. What a crazy few months it has been. We have been notified Indian River College has cancelled the Fall Short School for our association as the college will not be open by the scheduled dates. Everyone who has already registered will be receiving refunds. Summer is upon us so everyone take care in the heat. Stay hydrated.

Our [State Website](#) has the following links for those interested:

- o Incident Action Checklist – Pandemic Incidents, Wastewater Tests Could Provide Early Warning
- o The Water Professional's Guide to COVID-19
- o Letter to U.S. Governors from the EPA
- o COVID-19 Implications for EPA's Enforcement and Compliance Assurance Program
- o OSHA - Control and Prevention
- o Drinking Water, Recreational Water and Wastewater: What You Need to Know
- o Guidance for Wastewater Workers
- o Coronavirus And The Water Cycle — Here Is What Treatment Professionals Need To Know
- o [FW&PCOA Online Training -CEU's](#)

Scroll through Region [XII's webpage too](#), and if you have a webpage you would like to share with us all send an [Email](#) to our webpagemaster for consideration. Thanks to all the returning [Sponsors for 2020](#): Evoqua, Electro-Mechanical South, Water Quality Services, Wol-Coat, Edward Jones Investments and Trihedral. We also added some new sponsors this year: Oliver Law, USA Bluebook and Odyssey Manufacturing. We thank everyone for supporting Region XII, and say goodbye to a true friend of our association Mr John M Wolfe.

Everyone stay safe out there.

Steve

Your Officers for 2020

DIRECTOR

Steve Saffels

12-director@fwpcoa.org

CHAIRMAN

Brent Laudicina

12-chair@fwpcoa.org

VICE-CHAIRMAN

Dana Mills

12-vice-chair@fwpcoa.org

TREASURE-ELECT

John Wolfe

12-treas-elect@fwpcoa.org

SECRETARY/TREASURER

Zoe Chaiser

12-Treasurer@fwpcoa.org

WEB - EMAIL - NEWSLETTER

Mark G Harris

Harriscounty555@gmail.com

INDUSTRIAL PRETREATMENT

Joe Squitieri

DRINKING WATER DISTRIBUTION

TRUSTEE

Nathan Hale

INSTRUCTOR - COLUMNIST

Patrick Murphy

WASTEWATER TREATMENT TRUSTEE

Brad Mendel

DRINKING WATER TREATMENT TRUSTEE

Theresa Hughes

RECLAIMED WATER TRUSTEE

David Buyens

In Memoriam



Our friend may he rest in peace

John McRae Wolfe (76) of Tampa passed away peacefully April 26, 2020. He was a lifelong resident of Tampa. John was preceded in death by his parents Arthur Charles Wolfe and Elizabeth McRae Wolfe, and his grandmother Maude McRae. He was the beloved husband of Pat Rosendahl Wolfe for 47 years; and father of John McRae II, Brian (Katy); his three adored grandchildren, Maggie, Emmy, and James. He leaves behind his brother Lester (Vicki); brothers-in-law Melvin (Madonna) Geithmann and Joe (Roxanne) Geithmann; and many favorite nieces and nephews. All the family and friends knew that Uncle John or Mr. Wolfe or Papa was good for a ride to the ice cream or the slurpee store. And of course they were not to tell the “Boss” (Pat) that they were getting a treat. He was a member of St. Andrew’s Episcopal Church for the past 50 years where he taught Sunday school, was Sr. Warden on the Vestry, and served where needed. In 2004, he became an Ordained Deacon in the Episcopal Church and served at St Mary’s Episcopal Church until he retired from service. He was and still known affectionately as Deacon Wolfe by students, parents, and friends. He attended Gorrie Elementary, Wilson Jr High, H.B. Plant High ‘61, and graduated from University of Tampa with a BS in Economics and on a full music scholarship. He later received his M.B.A. from the University of South Florida where he met his poopsie Pat. John loved tuba playing in the German Band at HB Plant, All State, and was first chair at UT being a proud member of the Music Society Kappa Kappa Psi. He greatly enjoyed Friday morning Cuban espresso in West Tampa with his former band members and also at a Friday lunch group at the American Legion 138. John smiled and joked with friends at breakfast, lunch, or ice cream, especially at the former The Old Meeting House. Another favorite activity was early morning gym workouts with his exercise group. John was very active in organizations and was a member or served on several boards over the years, among them, the Sword and Shield at UT, Berkeley, Faith Café, Tampa East Sertoma Club, Board of Fellows and Trustees at UT; Economic Club of Tampa; Davis Island Civic Association, Tampa Sister Cities, and F.W.&P.C.O.A. Region XII. He was also a member of Leadership Tampa, Tampa Yacht & Country Club, Ye Mystic Krewe of Gasparilla, and the University Club. During his business career, he started several businesses within the construction and building industry. His last firm was a manufacturers’ rep for the SE, and he was well thought of for his network and knowledge of industrial and commercial paint coatings, pavers, and terrazzo flooring. Many customers became lifelong friends. John loved elephants and thus named his business Pachyderm. We will never forget him either. A private family memorial service will be held. A celebration of his life will be held during the summer yet to be determined. Memorial gifts should be sent to St. Andrew’s Foundation, 509 E. Twiggs St, 33602 or University of Tampa Athletics Sword & Shield Club, 401 W Kennedy, 33606-1490. Many thanks to the staff at Bayshore Pointe for their compassionate care these last few months.

Taken from the, Blount & Curry Funeral Home-MacDill Chapel

-Link To Online Obituary-

Sponsors of Region XII

WOL-COAT

Protective Coatings and Repair Products

wol-coat.com

Wol-Coat 310 is a 100% Solids Epoxy chemical resistant liner/coating for the protection of interiors of wastewater treatment plants structures, lift stations, large diameter pipes and manholes. At a mix ratio of 1 to 1 this chemically cured amine epoxy has excellent chemical, corrosion, moisture, and stain and abrasion resistance. Please give us a call if you want an excellent product at a great value for your coating needs.

**Contact: John Wolfe: jwolfe@wol-coat.com
(813) 263-4498**

Olivero Law, P.A.

Olivero Law P.A. proudly provides aggressive criminal defense, family law, estate planning, and civil legal representation throughout Central Florida. An experienced and proven trial lawyer Criminal Defense

Olivero Law, PA has the experience you need to fight and defend against a variety of criminal charges such as: DUI, Drug Crimes, Traffic Offenses, and more.

Proven Trial Lawyer

When facing serious legal matters in your life, you want an attorney proven to fight for your rights who is not afraid to take your case to trial. Olivero Law, P.A. has taken many cases to trial, with great success, and is ready to fight for you.

Family Law

Facing a divorce, child custody dispute, injunction, domestic violence or other family-related issue can be emotional and stressful. Olivero Law, P.A. recognizes the stress associated with any family-related issue and the personal ways it can and will affect you.

That's why Olivero Law, P.A. is committed to providing each client the high-quality assistance and representation they deserve when dealing with these matters.

669 W Lumsden Rd. Brandon, FL 33511

1-813-534-0393

Info@OliveroLaw.com

VTScada®

Software for Monitoring & Control

By Trihedral

VTScada is award winning monitoring and control software that is perfect for plant, telemetry, or hosted systems of any size. For 30 years, we have been eliminating frustration from every stage of the HMI / SCADA lifecycle; from pricing and licensing, to development and support.

Contact: Bryan Sinkler, Technical Sales, 407-403-3785

Email: bryan.sinkler@trihedral.com

Millenia Lakes One

4700 Millenia Boulevard, Suite 260,

Orlando, FL 32839-6014

www.trihedral.com

USA Bluebook

USABlueBook is the recognized source of products and technical support for professional water and wastewater operators. As the company was founded by utility operators, for utility operators, it's our goal to remain the industry's top technical and customer service leader.

Unsurpassed personal customer service
When you call USABlueBook, you'll always speak with a live Customer Service Representative. No annoying automated routing services! Our Customer Service staff can answer your questions, place orders, quote pricing and track shipments. Give us a call Monday thru Friday, 6 am to 7 pm CST.

Satisfaction Guarantee

Customer satisfaction is our goal
Our satisfaction guarantee and hassle-free, day return policy ensure that great service doesn't end with the sale. Order with confidence—we're not satisfied until you are.

<https://www.usabluebook.com/>

REGION XII - EAGLE SPONSOR!



ALKAGEN® AQ SOLUTION PROVIDES POINT SOURCE ODOR AND CORROSION CONTROL IN FLORIDA

Experiencing severe wet-well corrosion and odor complaints at a prominent lift station, a municipality in South Florida turned to Evoqua to provide an effective solution.

Evoqua Water Technologies LLC was contacted by a South Florida Municipality to provide an odor control solution for a lift station within their collection system. In the past, the municipality had implemented biofiltration for control of atmospheric hydrogen sulfide. However, in recent years the biofilter was removed, leaving the lift station untreated and exposed to high sulfide concentrations. As a result, the lift station was subjected to a substantial degree of corrosion as well as odor complaints from the surrounding neighborhood.

The lift station handled an average daily wastewater flow of 0.5 MGD. Liquid sampling at the site showed an average hydrogen sulfide concentration of 6 mg/L. Atmospheric hydrogen sulfide data revealed that the lift station was experiencing an average sulfide concentration of 187 ppm, with peaks up to 324 ppm.

ALKAGEN® AQ SOLUTION - PH SHIFT TECHNOLOGY

Due to the high sulfide concentrations and resulting corrosion issues, Evoqua determined a liquid phase technology was necessary to effectively reduce hydrogen sulfide concentrations. Point source application was also an important factor in selecting the right technology for a fast-acting solution.

Alkagen® AQ Solution, which uses a pH shift technology, was recommended as the optimal solution for providing point source sulfide reduction within the lift station. As pH increases, hydrogen sulfide will shift into a non-volatile form that is unable to escape into the vapor phase. For typical wastewater (pH ~7.0), nearly 50% of hydrogen sulfide exists in this non-volatile form. However, at a pH of 8.5, more than 97% of the sulfide will be trapped in solution. Alkagen AQ Solution increases wastewater pH as needed to effectively trap hydrogen sulfide in solution and prevent escape into the vapor phase.

Alkagen AQ Solution is fast-acting and rapidly dissolves in wastewater, providing an almost instantaneous effect at the application point. This contrasts to magnesium hydroxide, which has to be added upstream to allow time for dissolution, sometimes requiring multiple feed sites.



Alkagen AQ Solution provides fast-acting sulfide control

ADVANCED DOSING AND REMOTE MONITORING - VERSADOSE® CONTROLLER AND VAPORLINK® MONITOR

With the Alkagen AQ system, a VersaDose® Dose-to-Demand advanced controller was used to carefully regulate the metering of chemicals by programming daily dose curves to match sewage flow rates within the system. By using the VersaDose Controller, Evoqua was able to maintain the desired pH set by the treatment objectives and prevent over-feeding and wasteful spending by the municipality.

Additionally, Evoqua deployed a VaporLink® remote monitoring device to continuously monitor sulfide concentrations within the wet-well. This capability allowed remote access to site specific data from any location with an internet connection. The VaporLink monitor and VersaDose controller were made accessible through Link2Site® Web Monitoring and Control system for real-time visibility and control. These technologies allowed for quick and efficient remote optimization of dosing to effectively reduce hydrogen sulfide.

RAPID AND EFFECTIVE SULFIDE CONTROL

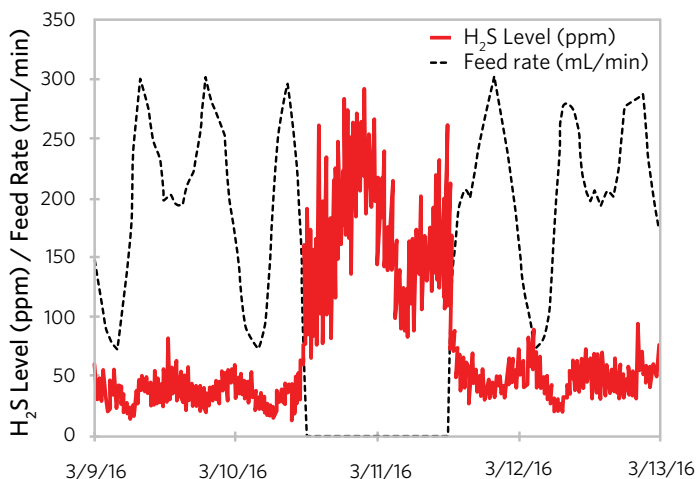
Evoqua fed Alkagen® AQ Solution directly into the influent manhole to provide instantaneous odor control within the wet-well. The municipality established treatment objectives of ≤ 50.0 ppm atmospheric sulfide and 8.5 wastewater pH.

Following installation and start-up, Evoqua optimized the Alkagen AQ feed system to meet the treatment objectives. The final adjusted feed rate was approximately 77 GPD. At this feed rate, hydrogen sulfide levels within the wet-well averaged 48.9 ppm while wastewater pH was maintained to an average of 8.45.

In order to demonstrate the effectiveness and rapid response of Alkagen AQ Solution, the feed system was temporarily shut off for 24 hours as seen in the chart below. Upon shutting off the system, hydrogen sulfide almost immediately returned to the untreated levels previously measured. Once the system was restarted, hydrogen sulfide concentrations promptly returned to the desired treatment levels.

With the treatment objectives being met, and the provided technology thoroughly proven, the municipality was confident in their decision to use Alkagen AQ Solution for odor and corrosion control at the lift station.

ATMOSPHERIC HYDROGEN SULFIDE LEVELS WITH FEED RATE



When the Alkagen AQ feed system was temporarily shut off, hydrogen sulfide levels spiked, demonstrating the effectiveness of the solution.

INDUSTRY:

Municipal Wastewater

BUSINESS CHALLENGE:

Effectively control hydrogen sulfide to eliminate odor complaints and reduce corrosion

SOLUTIONS/SERVICES:

- Alkagen AQ Solution
- VersaDose Dosing Controller
- VaporLink Hydrogen Sulfide Monitor
- Link2Site Web Monitoring and Control

ALKAGEN® SOLUTION ADVANTAGES:

- Fast-acting sulfide control
- Achieves pH of 9+
- Treats odor and corrosion at the source

FOR MORE INFORMATION

www.evoqua.com/alkagen

Contact:

Charles Maltby

Technical Sales Representative

Video Links

Odor and Corrosion Control in Sarasota County

Evoqua video - Making Water Safer

Evoqua Water Technologies LLC

2650 Tallevast Rd.

Sarasota, Florida, 34243; USA

Telephone/Mobile: (941) 586-8813

Main Office: (800) 345-3982 (I do not have an office or telephone extension at this number)

Email: charles.maltby@evoqua.com

www.evoqua.com



2650 Tallevast Road, Sarasota, FL 34243

+1 (800) 345-3982 (toll-free)

+1 (941) 355-2971 (toll)

www.evoqua.com

Alkagen, VersaDose, VaporLink and Link2Site are trademarks of Evoqua Water Technologies, its subsidiaries or affiliates, in some countries.

All information presented herein is believed reliable and in accordance with accepted engineering practices. Evoqua makes no warranties as to the completeness of this information. Users are responsible for evaluating individual product suitability for specific applications. Evoqua assumes no liability whatsoever for any special, indirect or consequential damages arising from the sale, resale or misuse of its products.

© 2016 Evoqua Water Technologies LLC

Subject to change without notice

MS-ALKAGEN-FL-CS-1016

Sponsors of Region XII

Odyssey Manufacturing

Odyssey Manufacturing Company is one of the leading chemical manufacturers and distributors to the Florida's water and wastewater industry. Odyssey provides sodium hypochlorite to most of plants in Florida in addition to providing sodium bisulfite and sodium hydroxide. In addition, Odyssey is a licensed general and plumbing contractor who specializes in chemical system design, permitting, equipment supply and installation and repair services. We are also the Florida distributor for the Process Solutions MicrClor On-Site Sodium Hypochlorite Generator (OSHG), Residual Control System (RCS) and TTHM Removal Systems (TRS) along with the Pax and Tank Shark Ground Storage Tank mixers.

Get in Touch with Us Today!

(800)-ODYSSEY / (813) 635-0339

pallman@odysseymanufacturing.com

1484 Massaro Blvd. Tampa, FL 33619

Edward Jones Investments

Making Sense of Investing

As an Edward Jones financial advisor, I believe it's important to invest my time to understand what you're working toward before you invest your money. It's also important to understand the level of risk you're comfortable accepting when investing so we can balance it with the steps necessary to reach your long-term goals.

Contact: Sanjay Anderson

sanjay.anderson@edwardjones.com

(813) 373-6825

Electro Mechanical South, Inc.

Complete Machine Shop Capability

We were the first motor repair shop in Florida to offer a Two (2) year warranty on our

rewinds, a tribute to our process and material selection. We maintain an "Environmentally Friendly" business model. We have developed a reputation as being problem solvers, rather than repeating the same behavior and expecting a different result. service is truly a 24 hour per day/ 7 days a week 52 weeks a year to accommodate our customers doing their business.

Contact: Ric Romanoff

rromanoff@ems-fl.com

(800) 925-9EMS (9367)

Quality Water Services

Quality Services at Affordable Prices

Certified License Operator, Drinking Water, WasteWater Utility Operation, Backflow Assembly Device Tester, Repair Testing, Free Estimate

Contact: David Stevens

Owner/Lead Operator

(813) 205-1045

Email: QualityWaterServices1969@gmail.com

Region XII Links

**FW&PCOA Region XII
Outstanding Facility Award**

**FW&PCOA Region XII
Outstanding Member Award**

Region XII Awards Applications Due November 1st

DEP License Search

**FW&PCOA
On-Line CEU's**

**FW&PCOA Region XII
General Membership Meeting Minutes**

Member Login

**FW&PCOA Region XII's
Facebook Page**

Region XII

Next Meeting

**DATE : JUNE 18, 2020
6:00 PM - 8:00 PM**

Host:

Sponsor:

CANCELLED



What The Heck is That?????

Take a look at this picture. Have you ever seen one of these? Do you have a guess? Bring your answer to the NEXT MEETING and you could win **BAM!** That's **Bumming Around Money!** All correct guesses are put in a hat, and the winner drawn at random will win **\$25 U.S.**

CANCELLED

CENTRAL MEMBERSHIP MEETING

Date: June 18, 2020

Time: 6:00PM - 8:00 p.m.

Location: ????

What The Heck Is That?

