

NORTH TEXAS SECTION E-NEWSLETTER

MARCH 2015—VOLUME 27, NUMBER 2



MARCH DINNER MEETING

Date: Thursday, March 19, 2015

New Location!

Cowboys Golf Club
1600 Fairway Drive
Grapevine, Texas 76051

Agenda:

5:30 p.m. — Social Hour
6:30 p.m. — Dinner
7:00 p.m. — Announcements
7:15 – 8:00 p.m. — Program

Topic: Chapter 217 and 312 Rule Updates

Speaker: Louis C. Herrin, III, PE – TCEQ Water Quality Division Engineer

COST	BEFORE MAR. 16	ON/AFTER MAR. 16
Members and Guests	\$20 (website)	\$25 (door)
Full-Time Students	Free	\$10 (door)

We offer a reduced fee to encourage early payment and registration using our **convenient online payment system**. When registering, please specify your name and company as you wish it to appear on your name tag in the instructions in the buyers' comment area. Checks, cash, and/or credit cards are accepted at the door for post-deadline and walk-in registrations. ***You will receive the discounted rate only if you pay prior to March 16.***

RSVP for at-the-door payment: Mark Perkins at treasurer@weat-nts.org

MEETING DETAILS

This presentation will provide an overview of the upcoming rules changes for the design of wastewater facilities and biosolids handling.

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MARCH DINNER MEETING (CONT'D)

ABOUT THE PRESENTER

Louis C. Herrin, III, PE, works for the Texas Commission on Environmental Quality in the Water Quality Division. He is currently in charge of the domestic wastewater plans review and the water reuse programs.

Louis received his Bachelor of Science in Civil Engineering from Texas A&M University in December 1980. He also started employment with the Texas Department of Water Resources (later to be the Texas Commission on Environmental Quality) in February of 1981. His work at the agency has included drafting wastewater permits for cities, industrial facilities, and agriculture operations as well as starting the commission's domestic sludge program.

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Check it out!

www.weat-nts.org

LEADERSHIP MESSAGE

SHARING IS CARING!

Things That I Am Glad Have Left Dallas:

ICE AND SNOW
STORM OF
2015!



Things That I Am Not Glad Have Left Dallas:

DeMarco
Murray



A lot has happened in the last few weeks in North Texas! We have gone from 20-degree weather to 70-degree weather, and from one 13-touchdown MVP to zero 13-touchdown MVPs.

Within the WEAT-NTS, a lot has happened as well. Let's recap the highlights:

- We hosted **the most impressive February Seminar** to date, led by **Fred Holmes**, Seminar Chair, with *over 180 people* in attendance. A summary of seminar highlights can be found within this newsletter.
- WEAT members braved the ice and snow to volunteer as **judges at regional science fairs** and make a positive impact in the community. Interested in future volunteer events? Contact **Amy Robinson**, our Education Chair, to get involved!
- A multitude of volunteers spent the last few weeks hard at work churning out the final details for **our Sporting Clays event**, the loudest fundraiser of the year.

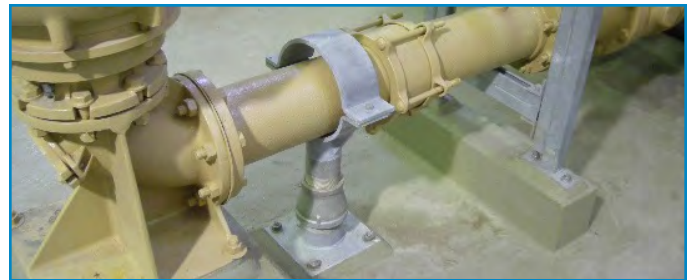
Speaking of Sporting Clays, I heard several rumors, including that **Buster Fichera** is wanted by the Bureau of Alcohol, Tobacco, and Firearms for purchasing, *in one outing*, 13,000 rounds of

shotgun shells (which we will be raffling off), as well as two firearms (including an AR-15). I have also heard that **Jeff Lungrin** has some mighty fine BBQ in store for us. Basically, **don't miss this event!**

Please continue to send in comments and content for the website, and if you see our photographer **Malcolm Cowdin** out and about, be sure to thank him for his hard work.

Some of you may have had the opportunity to see an incredible presentation given by **John Bennett** focused on engineers and operators working together for project success. This presentation, in multiple forms, has been presented across the nation and uses humorous examples made on previous projects around the world as a way to drive the message. Submissions are always welcome! Some of our current favorites include:

Can you ever have too many supports or options?



It depends on what the need is!



The lesson learned is ***our industry success is built upon communication and information sharing.*** WEAT-NTS provides us the opportunity to network, communicate, and share information. Come to our meetings. **I promise you will have fun!**

Jeff Sober

WEAT-NTS President

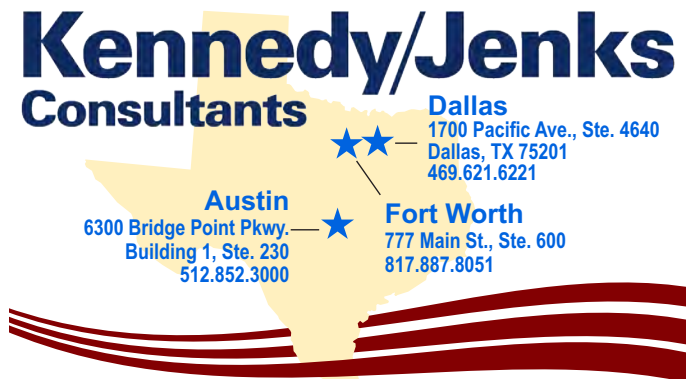
jsober@garverusa.com • 972.377.7480

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* SUPPORT WEAT DINNER MEETINGS! *

WEAT-NTS offers three levels of dinner meeting sponsorship for the July 2014 – June 2015 year, plus multiple individuals sponsorship opportunities. See the details below for how you can support WEAT-NTS for the upcoming year. The sponsorship will allow your firm access to over 500 NTS members and is greatly appreciated.

INDIVIDUAL SPONSORSHIP OPPORTUNITIES

- Fall BBQ Picnic Cook-Off: \$250
- Sporting Clay Station: \$150
- NTS Newsletter Business Card Ad: \$150
- NTS February Seminar: \$300
- Recognition of Other Sponsors includes:
 - ✓ List of sponsors in newsletter announcement
 - ✓ List of sponsors in event reminder e-mails
 - ✓ Sign at event listing each sponsor

CLASSIC SPONSOR

- \$250.00 for one dinner meeting
- Typically five Classic Sponsors per meeting
- Recognition of Classic Sponsors:
 - ✓ Announcement on front page of newsletter (name of firm)
 - ✓ Announcement in meeting reminder e-mails (name of firm)
 - ✓ Sign at meeting listing the sponsors (name of firm)
 - ✓ Verbal recognition of sponsors by President at the beginning of the meeting

GOLD SPONSOR

- \$1,250
- Recognition at **ALL** six meetings (for the price of five)
- Recognition of Gold Sponsor is the same as Classic Sponsor at **ALL** six meetings

PLATINUM SPONSOR

- \$1,850
- Recognition at **ALL** six meetings
- Recognition of Platinum Sponsor is same as Gold Sponsor, plus:
 - ✓ Company name included in newsletter announcement
 - ✓ Company logo included in meeting reminder e-mails
 - ✓ Company logo included in sponsor sign at meeting
 - ✓ Display of digital banner at meeting (if supplied) via PowerPoint
 - ✓ Recognition of Platinum Sponsor by President at the beginning of the meeting
 - ✓ Includes sponsorship of:
 1. February Seminar
 2. WEAT-NTS Scholarship
 3. Daryl Hall Scholarship
 4. Business card ad in the NTS newsletter

If you are interested in supporting the WEAT-NTS organization with a new sponsorship or want to renew an existing sponsorship, please contact:

Mark Perkins

WEAT-NTS Treasurer

E-mail: treasurer@weat-nts.org

Phone: 817.719.0372

To pay by credit card, please visit www.weat-nts.org and utilize our SquareUp option.

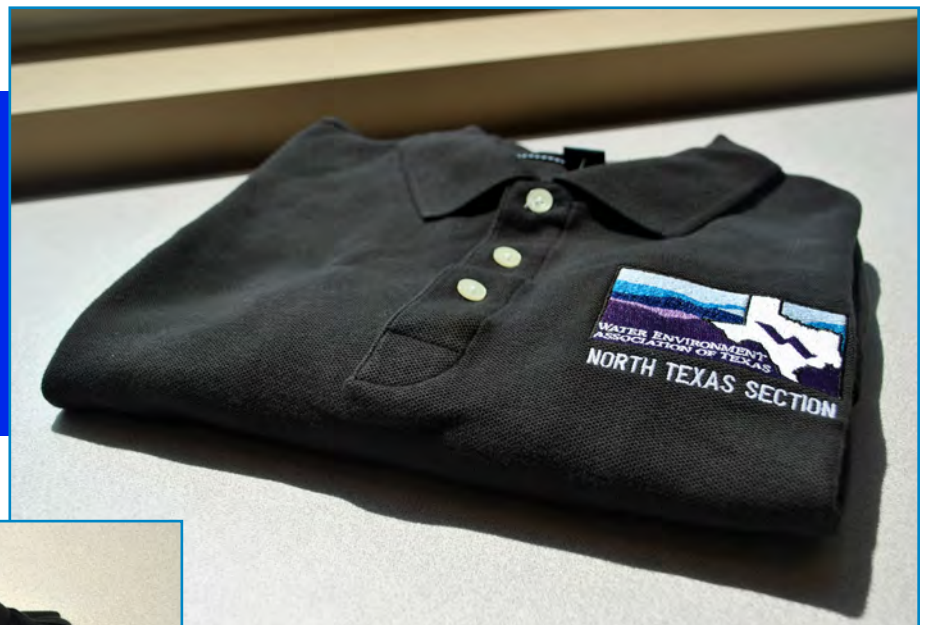
WEAT★NTS shirts For sale★

Show your support for the North Texas Section with this embroidered-logo polo t-shirt! These black Chestnut Hill shirts are available in men's small, medium, large, and extra-large sizes. Each shirt is \$30 and will be available for purchase at the registration table at WEAT-NTS meetings and events. Shirts will be shipped to you or can be picked up at the next meeting.

Shirts can be purchased by **cash**, **check**, or **credit card** (credit transaction can be conducted through WEAT-NTS's online payment system (<https://squareup.com/market/weat-nts>) or over the phone with Treasurer **Mark Perkins**). Checks can also be mailed to the following address:

Mark Perkins
c/o Perkins Engineering Consultants, Inc.
6001 Interstate 20 West, Suite 219
Arlington, Texas 76017

For more information, please contact Mark at mperkins@perkinsconsultants.com or 817.719.0372.



JANUARY 2015 DINNER MEETING

On January 15, 2015, dinner meeting attendees were treated to a presentation from the City of Wichita Falls Public Utilities Operations Manager Daniel Nix on the City's industry-leading reuse projects. Mr. Nix's presentation, titled "The City of Wichita Falls vs. the Current Texas Drought," captivated attendees and also provided a bit of wastewater humor (see image below). The presentation described the City of Wichita Falls' journey towards providing an alternative water source through the use of direct potable reuse and plans for the incorporation of indirect potable reuse. Thank you, Mr. Nix!

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Daniel Nix humored the crowd with fashionable t-shirts available in Wichita Falls.



A full house was present to hear the latest on the Wichita Falls reuse projects.



President Jeff Sober (left) presents the speaker appreciation award to Daniel Nix (right).

LEGISLATIVE UPDATE

WEAT AND TACWA BILL TRACKING

Julie Nahrgang, WEAT Executive Director

From panic buttons to security details assigned to lawmakers, the 84th Texas Legislative Session has been making headlines in the past month. During these frenzied few weeks, a number of important water-related bills have been filed as well as Speaker Strauss's announcement of House Committee Chairpersons and committee compositions. Bills of interest to WEAT and TACWA members will likely be referred to the House Natural Resources, House Environmental Regulations Committee, and House Special Purpose Districts Committee.

You can visit WEAT's website at <http://www.weat.org/legislative-affairs.shtml> to see a full list of bills WEAT and TACWA are tracking. Bills of interest filed in the previous two weeks include the following:

CONTESTED CASE BILLS

HB 1113 – by Representative Travis Clardy: Relating to the standard of review for a determination of standing in a contested case hearing conducted by the TCEQ. This bill affirms the discretion of the TCEQ to determine standing in a contested case hearing without an evidentiary hearing. A court could reverse and remand that determination if TCEQ (1) failed to consider a factor required by law, (2) considered an irrelevant factor, or (3) reached a completely unreasonable result.

HB 1247 by Representative Wayne Smith: Relating to presumptions in contested case hearings regarding certain environmental permit applications. This bill is regarding contested case hearings held at SOAH on permit applications at TCEQ.

HB 1419 by Travis Clardy: Relating to contested cases conducted under the Administrative Procedure Act. This bill applies to all state agencies that have contested cases (such as TCEQ, PUC, Railroad Commission, others) and seems to affect all types of TCEQ permits (air, water and solid waste).

WASTEWATER AND OTHER BILLS OF INTEREST

HB 912 – by Representative Jason Isaac: Relating to the dismissal of protests. This bill requires TCEQ to dismiss protests filed by municipalities that are subject to less stringent wastewater treatment requirements (in the municipality's TCEQ issued permits) than the requirements in the proposed permit that the municipality is attempting to protest.

HB 1192 – by Representative Jason Isaac: Relating to the permissible uses of graywater for domestic use. This bill seeks to expand state-approved use of graywater for domestic use in Texas by amending section of both the Health and Safety Code and the Texas Water Code. The bill would mandate that TCEQ adopt minimum standards related to the use and reuse of graywater, specifically to be used in toilet and urinal flushing and insert the phrase "or toilet or urinal flushing" into the permitted exceptions for domestic graywater use of less than 400 gallons per day.

HB 1226 – by Representative Eddie Lucio III: Relating to the designation of a local governmental entity as an authorized agent of the TCEQ to regulate the use of on-site sewage disposal systems. This bill would require a local governmental entity to receive and maintain a designation as an authorized agent of the TCEQ if the entity applies to TWDB for financial assistance related to on-site sewage disposal systems projects.

HB 1269 – by Representative Drew Springer: Relating to supplemental environmental projects implemented by certain local governments in lieu of administrative penalties assessed by the Texas Commission on Environmental Quality. This bill would add Section 7.0671 to the Water Code to require the TCEQ to approve a Supplemental Environmental Project instead of an administrative penalty if the respondent is a county of less than



LEGISLATIVE UPDATE (CONT'D)

50,000 or a local government any part of which is located in a county of less than 50,000. If the cost of the SEP is less than the penalty, the respondent shall use the difference to upgrade the violating facility.

HB 1279 – by Representative Matt Schaefer: Relating to the authority of certain municipalities to provide sewer service to areas within the municipal boundaries without obtaining a certificate of public convenience and necessity. This bill would add a new section to Subchapter G, Chapter 13 of the TWC to grant certain municipalities the authority to provide sewer service to areas within their municipal boundaries without obtaining a certificate of public convenience and necessity.

HB 1301 – by Representative John Wray: Relating to the authority of the TCEQ to adopt rules prohibiting the use of an on-site sewage disposal system with an absorptive effluent disposal system. This bill would add a new subsection to Subchapter B, Chapter 366 of the Health and Safety Code relating to the authority of the TCEQ to adopt rules to prohibit the use on an onsite sewage disposal system with an absorptive effluent disposal system.

HB 1501 – by Representative Ryan Guillen: Relating to a study concerning the presence and effects of plastic microbeads in water in the state. This bill requires a study be conducted

to determine the extent of the presence and whether the presence causes pollution of that water. The results of the study could precipitate recommendations for reducing or eliminating the pollution including regulation or a ban.

SB 394 – by Senator Charles Perry: Relating to the use of supplemental environmental projects by a local government to come into compliance with environmental laws or remediate environmental harm caused by the local government. This bill would require TCEQ to approve a supplemental environmental project that is necessary to bring a local government into compliance or remediate environmental harm if the local government has not previously committed the same violation. TCEQ would have discretion to approve a supplemental environmental project if the local government has previously committed the same violation.

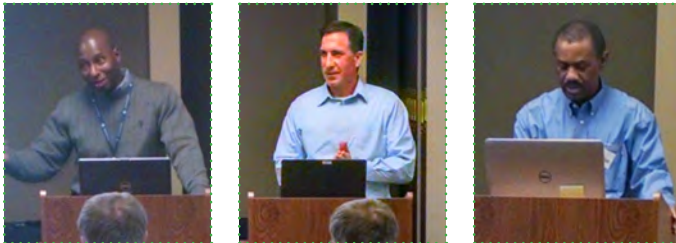
SB 413 – by Senator Kel Seliger: Relating to the qualifications for membership on the Water Development Board. This bill would change the makeup and appointment requirements of the TWDB. The Board would be required to have a member with experience in the field of production agriculture rather than law or business. When members are appointed, the governor would be required to appoint a member that resides in a rural area and is a registered voter of a county with a population of less than 155,000.

SEMINARS • WORKSHOPS • TRAINING

WEAT E&I COMMITTEE JANUARY SEMINAR

The WEAT E&I Committee held its first technical seminar of 2015 on Wednesday, January 21. This session was tailored toward the typical software testing we perform on control systems such as factory testing, field demonstration testing, and site availability demonstrations. Speakers represented a system owner, a consulting engineer, and a systems integrator. The presenters were:

- **Owner:** Antuione Bargains – NTMWD
- **Engineer:** Andy Paulson – Signature Automation
- **Integrator:** Trevor Connor – ICS



We had about 45 attendees from across the Metroplex representing owners, consultants, and contractors.

The seminar was held at Siemens Industries' facility in Arlington, and they provided lunch immediately following the seminar. As you know, we have not charged for participation in these seminars—now do we plan on charging for future seminars. It is through the generosity and support of organizations that we are able to host the meeting and provide a meal for free.

Our next seminar is scheduled for March 18, and the general topic is "LV and MV VFDs; Harmonics; and Inverter Duty Rated Motors." More information will be forthcoming.

Contact: George Luke at gluke@gaiconsulting.com

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2015 FEBRUARY SEMINAR



The February Seminar held its first-ever panel discussion on resource recovery

The North Texas Section's annual February Seminar was held on February 10, 2015. With no ice to brave this year, the Seminar saw record attendance in excess of 178 with more than 50 municipal engineering and operations staff included.

The Seminar focused on resource recovery with an elemental theme. Attendees enjoyed learning about topics focused on the recovery of nutrients, solids, water, heat, energy, and the future of plastics and heavy metals recovery.

As always, the Seminar continued its mission of two-fold education by serving as a fundraising opportunity in support of WEAT-sponsored scholarships. In addition to breaking attendance records, records were broken in corporate sponsorships as well, with 40 sponsors contributing.

The seminar is a key education outreach for the North Texas Section and is one of the Section's primary fundraisers for scholarship programs. Thirty-three corporate sponsors contributed generously to the success of the program. Thanks to Our Seminar Committee!

- Fred Holmes (Seminar Coordinator, Hazen and Sawyer)
- Rami Issa (AECOM)
- John Zwerneman (Carollo)
- Jared Schmerse (CP&Y)
- Lance Klement (Garver)
- Ashley Evans (Arcadis)
- Jeff Caffey (Alan Plummer Associates, Inc.)
- Special thanks to our Treasurer, Mark Perkins, for keeping track of our registrants, sponsors, and payments!

SPECIAL THANKS TO OUR CORPORATE SPONSORS!

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**Bold font indicates table and/or break sponsors*

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Preserving & Enhancing the Water Environment of Texas

ANNOUNCEMENTS

COMING SOON: THE DARYL HALL MEMORIAL GOLF TOURNAMENT

Save the date! The Daryl Hall Memorial Golf Tournament will be on Friday, August 28, at the Waterchase Golf Course. Look for registration information soon!

GLEGG JOINS 2M'S DALLAS OFFICE



2M Associates, LLC, is pleased to welcome James Glegg as their new Director of Electrical/Control and Information Systems. James has over 30 years of experience designing and building Control Systems for Water, Wastewater, Power, and Refining

industries. He currently provides consulting and design services for large-scale SCADA systems drawing on a foundation of Control System design and System Integration across essentially all major platforms and multiple industries in both the public and private sectors. He has managed System Integration businesses, successfully delivering dozens of control systems primarily for power utilities. Primary focus is integration of operational data with business information systems to enable effective real time decision making and long term capital planning based on meaningful metrics. Strong leadership skills enable him to guide clients through system replacement needs assessments, budgeting and planning, lead design teams, manage projects, people, business operations and development. Major recent projects of note are the pumping distribution SCADA system for the City of Dallas, the flood control SCADA system for South Florida and an energy management feasibility assessment for the City of Austin. He has been published in several magazines and is a regular speaker at industry conferences.

LAIRD SELECTED TO LEAD OPERATIONS AT VILLAGE CREEK WATER RECLAMATION FACILITY

The Fort Worth Water Department is pleased to announce Ginger Laird as the new Assistant Water Systems Superintendent over Operations at the Village Creek Water Reclamation Facility.

Ginger has been a training specialist with the City of Fort Worth since 2000. In that time, she has been involved with a variety of plant operations and support activities including development of TCEQ approved classes and classroom instruction for Operator credit toward licenses, writing and improvement of Standard Operating Procedures (SOPs), providing input relating to plant process and sampling protocols, Risk Management Plan (RMP)



documentation and training, facility tours, and has taught a variety of classes for the TWUA regional school in Arlington.

Ginger has a Bachelor of Science degree from Stephen F. Austin State University and 35 years in the water and wastewater industry. She holds an "A" Wastewater Treatment Plant Operator license and a "B" Surface Water Treatment Plant Operator license from TCEQ.

Ginger's experience with water and wastewater laboratory, regulatory, plant operations, and management – including time as a former superintendent with the City of Palestine - will be a tremendous asset in moving the Village Creek Water Reclamation Facility into the future.

ANNOUNCEMENTS

NORTH TEXAS SECTION MEMBERS SPONSORS FUTURE CITY COMPETITION

As part of the North Texas Section's commitment to education, our section sponsored the 2014–2015 Future City Competition with an award for the 2015 Excellence in the Use of Water Resources and a \$500 scholarship check for the winning team.



This year's competition theme was "Feeding Future Cities." Students were challenged with selecting one vegetable and one protein and designing a way to grow enough of each within the city to feed their citizens. Teams spent all day Saturday being interviewed by multiple panels of judges on their design and knowledge of the resources necessary to sustain a city.

This year's winners, from Kennedale Junior High School Team 6, showed an in-depth knowledge of the processes of the water system and incorporated this into the city model. While the team was not there to receive the award, one of their teachers stepped in to accept.

WHAT IS FUTURE CITY?

The Future City Competition is a national, project-based learning experience where students in 6th, 7th, and 8th grade imagine, design, and build cities of the future. Students work as a team with an educator and engineer mentor to plan cities using SimCity™ software, research and write solutions to an engineering problem, build tabletop scale models with recycled materials, and present their ideas before judges at Regional Competitions in January. Regional winners represent their region at the National Finals in Washington, D.C., in February.

This flexible, cross-curricular educational program gives students an opportunity to do the things that engineers do—identify problems; brainstorm ideas; design solutions; test, retest, and build; and share their results. This process is called the engineering design process. With this at its center, Future City is an engaging way to build students' 21st-century skills. Students participating in Future City:

- Apply math and science concepts to real-world issues
- Develop writing, public speaking, problem solving, and time management skills
- Research and propose solutions to engineering challenges
- Discover different types of engineering and explore career options
- Learn how their communities work and become better citizens
- Develop strong teamwork skills

ANNOUNCEMENTS

FUTURE CITY COMPETITION SNAPSHOTS





ANNOUNCEMENTS

WEAT-NTS OFFICER NOMINATIONS NOW OPEN UNTIL MARCH 23!

WEAT-NTS now accepting nominations for the 2015–2016 operating year beginning on July 1, 2014. Officer elections to occur and terms shall begin at the close of the May 15 dinner meeting. Positions open for nominations include:

- **President-Elect**
 - ✓ One-year term
 - ✓ Responsible for providing assistance to the Vice President and President
 - ✓ Officer to preside in the absence of the President
 - ✓ Automatic move to President
- **Vice President**
 - ✓ One-year term
 - ✓ Responsible for the coordination of Section dinner meetings, annual cook-off, and other duties as assigned by the Executive Committee

- **Secretary**
 - ✓ One-year term
 - ✓ Prepare announcements and set appointments for all Executive Committee meetings
 - ✓ Prepare agenda, coordinate committee reports, and attend all meetings of the Executive Committee and Section
 - ✓ Perform other duties such as the Executive committee may assign to him/her

For additional details about the officer positions, please refer to the WEAT-NTS bylaws at www.weat-nts.org.

Nominations can be submitted to any of the following individuals on the Nominations Committee by Monday, March 23:

- **Buster Fichera**, Committee Chair (buster.fichera@fortworthtexas.gov)
- **Erin Flanagan** (ecf@freese.com)

SUBMIT A NEWSLETTER ANNOUNCEMENT!

The WEAT-NTS newsletter is circulated six times a year to 500 water environment professionals, treatment plant technicians, public officials, regulatory agency personnel, manufacturers, and individuals in the North Texas area. We welcome relevant announcements and news items for future newsletters.

SUBMITTAL GUIDELINES

- You may submit relevant news items such as new hires and acquisitions, project awards and recognition, and other relevant news announcements.
- Announcements should be broadly relevant to the WEAT-NTS membership and the North Texas community.
- We will not accept promotional materials or commercial advertising.
- The Electronic Communications committee will edit announcements for brevity, clarity, and suitability.
- The WEAT-NTS Executive Committee reserves the right to reject all submissions deemed unsuitable.



OPERATIONS CORNER

A FAMILY TRADITION

By Jerry Pressley, Superintendent of Operations and Maintenance, Fort Worth Water Department, Village Creek Water Reclamation Facility – WEAT-NTS PWO Chair

The daughter of a very dear family friend recently completed a tour of duty with the Navy and a subsequent “way too long of a stay” in the Las Vegas area with her new husband. Now that the newly wedded couple has “finally made it back to Texas,” this young lady recently began a job search. I told my friend that we had a variety of openings at the Village Creek facility including positions in Operations, and I encouraged him to have his daughter apply.

I’ve known Jay for a long time. He knows where I work—and what I do for a living.

Or so I thought.

He was a bit fidgety at the suggestion that his daughter would work at a “sewer plant,” and then he asked, “Would you want your daughter doing that kind of work?”

“Wow!” I remember thinking. Evidently, our industry has an image problem. Or, maybe I have an image problem? *Move over, Ed Norton!*

Anyway, I took the opportunity to educate my friend about what goes on at our facility—about the engineering, technology, biology, chemistry, regulations, maintenance, and stewardship (among other things) that we employ as we reclaim resources, protect our environment, and improve the quality of life in our community. Then I reminded Jay that my oldest son works for the Water Department’s Industrial Pretreatment Program as an Environmental Specialist.

That got me to thinking about a lot of the other legacy families represented just at Village Creek.

We have the Salgados, Carringtons, and a couple of Holcombs actively working at the plant. We have also had multiple generations of Cisneros and Woodards, among others, and recently we welcomed Justin Halter (offspring of Dan Halter of City of Dallas fame) into our industry. Not all families are father-and-son combos. Some are cousins or brothers. (Not cousins *and* brothers—this ain’t Arkansas! (Just kidding... Please send all hate mail to Buster.))

The reality is, **ours is a great industry in which to work.** We may not get rich, but the rewards are plentiful. It is a relatively stable career with plenty of opportunity for advancement, every day holds new challenges, and, like most jobs, it sort of becomes what you make it. I happen to believe that, aside from having an active relationship with our God, one of the main reasons we were created was to tend God’s creation and to perform meaningful work. I get to go to work each day at an awesome facility in a dynamic industry with one of the best groups of people imaginable. We are challenged to use our people skills, problem solve, create, and think. ***I can’t imagine a more meaningful job that can so immediately impact our environment.***

So, yes, I would love to be able to work alongside my daughter in this industry, and I will encourage her to consider it—as soon as I can justify hiring a music teacher to lead our yet-to-be-formed glee club (Shelby is a recent cum laude “all-level music education” graduate of Texas Wesleyan University—my alma mater. Go Rams!). Until then, I will encourage anyone and everyone to consider this industry.

WATER: IT’S WORTH IT!

PUBLIC EDUCATION

REGIONAL SCIENCE AND ENGINEERING FAIR WINNERS

The North Texas Sections of WEAT and TAWWA have again joined forces to support the **Dallas and Fort Worth Regional Science and Engineering Fairs**. WEAT and TAWWA's support of the science and engineering fairs are one of the many ways our organizations serve the community at large.

Congratulations to all the students! We have invited the students to the May dinner meeting to share their projects with us. Come out to the meeting and congratulate them on their award-winning accomplishments.

2015 DALLAS REGIONAL SCIENCE AND ENGINEERING FAIR WINNERS

Senior Division

- 1st Place: Harshini Rallapalli – Uplift North Hills High School
✓ Project Title: *An Appealing Water Purifier Removal of Polluted Dyes From Water Using Solanum Tuberosum Potato Agriculture Waste*
- 2nd Place: Deemah Pulak – Richardson High School
✓ Project Title: *Development of an Affordable Tabletop Biosand Water Filter*
- 3rd Place: Cheema Basel and Brian Nguyen – Plano East Senior High School
✓ Project Title: *Novel Fabrication of Cost-Effective Cellulose Acetate Membranes for Reverse Osmosis*

Junior Division

- 1st Place: Alex McEachern – Roach Middle School
✓ Project Title: *Desalination: It's The Future!*
- 2nd Place: Ethan Beaumont – Vandeventer Middle School
✓ Project Title: *How Wacky is Your Water?*

- 3rd Place: Shashank Easwar – Clark Middle School
✓ Project Title: *How Pure is the Water You Drink?*

2015 FORT WORTH REGIONAL SCIENCE AND ENGINEERING FAIR WINNERS

Senior Division

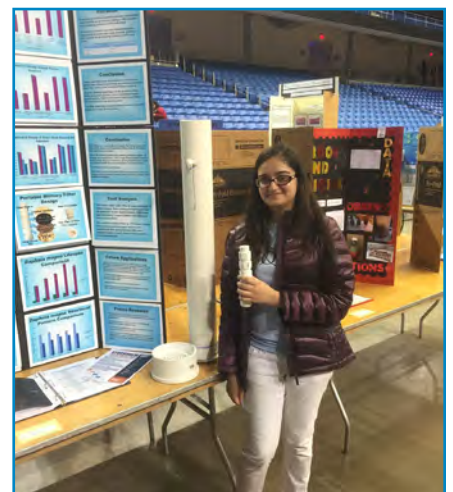
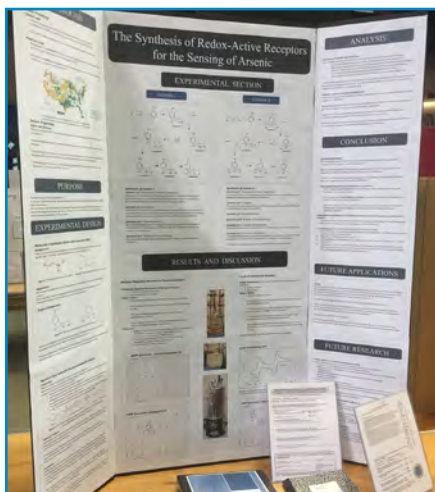
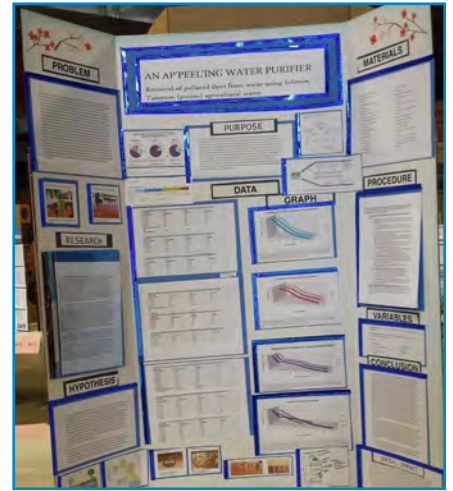
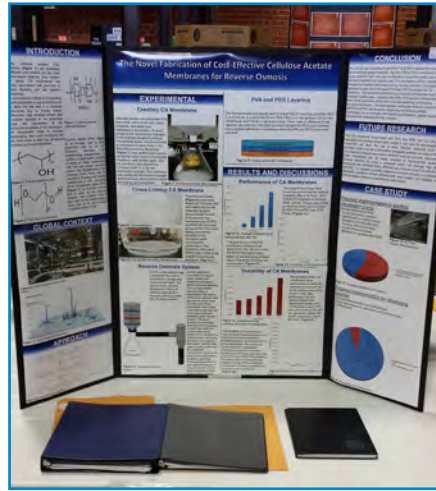
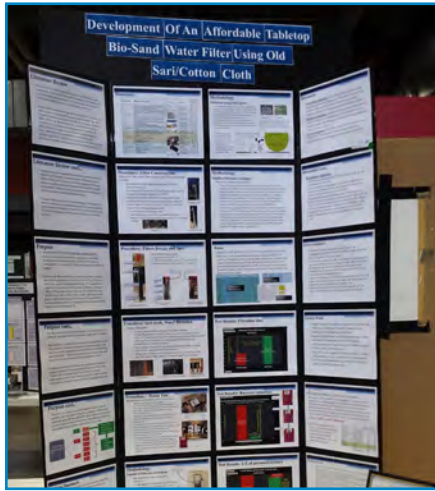
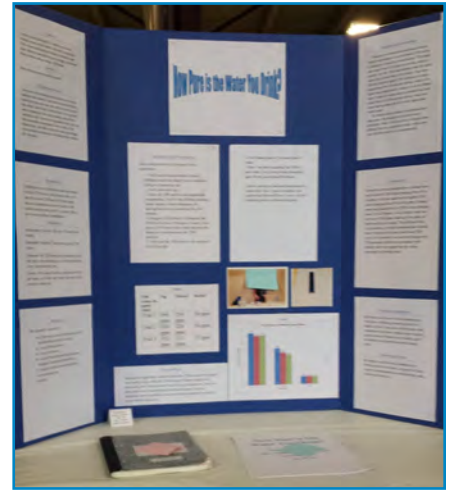
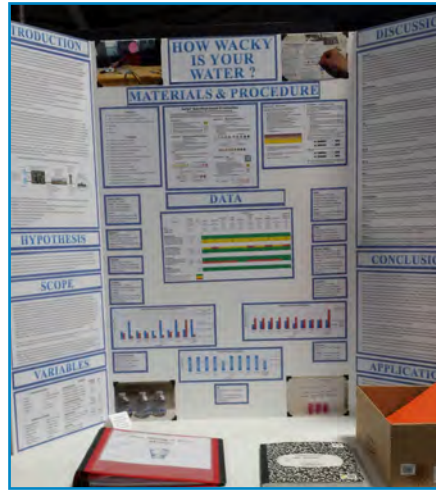
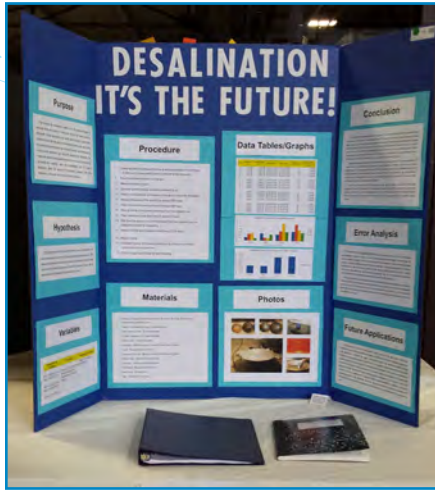
- 1st Place: Raashi Thakkar – Texas Academy of Mathematics and Science
✓ Project Title: *Water You Drinking: Nanomaterials and Porous Materials to Remove Bacteria and Heavy Metals*
- 2nd Place: Linda Phung and Carolyn Guan – Texas Academy of Mathematics and Science
✓ Project Title: *The Synthesis of Redox Active Receptors for the Sensing of Arsenic*
- 3rd Place: Ying Yan Ho – Texas Academy of Mathematics and Science
✓ Project Title: *A Study of Effectiveness of Chitosan on Water Quality*

Junior Division

- 1st Place: Minh Le – Harmony School of Innovation Middle School
✓ Project Title: *Foreign Particle Count of a Liquid with Lasers*
- 2nd Place: Mohammad Amasslyali – Harmony Science Academy Middle School
✓ Project Title: *Nano Antibiotics*
- 3rd Place: Benjamin Lillagore – Acton Middle School
✓ Project Title: *Will It Filter?*

PUBLIC EDUCATION

REGIONAL SCIENCE AND ENGINEERING FAIR SNAPSHOTS



OF NOTE...

SIGN UP FOR E-MAIL NOTICES

E-mail weatnts@weat-nts.org to be added to the distribution list.

Notices will go out well in advance of the meetings and also serve to notify you of events and changes. You will receive about three e-mails every month.

Should you wish to unsubscribe, please send a request to weatnts@weat-nts.org.

ONLINE PAYMENT AVAILABLE

WEAT-NTS sponsors and dinner meeting attendees can pay online at www.weat-nts.org!

Companies and individuals can sponsor dinner meetings and/or the newsletter or donate to scholarship funds at the WEAT-NTS website.

Members can register early for dinner meetings and take advantage of "earlybird" reduced fees by paying online.

WEAT-NTS CALENDAR OF EVENTS

EVENT	DATE	LOCATION	TOPIC
WEAT-NTS March Dinner Meeting	March 19, 2015	Cowboys Golf Club	TCEQ Updates
Sporting Clays Tournament	March 20, 2015	Elm Fork Shooting Range – Dallas	Pew! Pew! Pew!
WEAT-NTS May Dinner Meeting	May 21, 2015	Central Wastewater Treatment Plant, Dallas	DWU Central IPS
WEAT-NTS July Dinner Meeting	July 16, 2015	Texas Star	Trinity Compact

It's easy to join our mailing list!

Just send your email address by text message:

Text

WEATNTS

to **22828** to get started.



Message and data rates may apply.



Scan the QR code to join our mailing list. We'll e-mail you our newsletter, great information, and special offers.



Use your mobile device to scan the QR code.



Friday, March 20, 2015
7:30 a.m. to early afternoon

Elm Fork Shooting Range, Dallas, Texas
Benefiting the WEAT-NTS Scholarship Fund

EVENT DETAILS

The 6th Annual WEAT-NTS Sporting Clays Event will be filled with food, fun, and good old-fashioned competition between friends. Proceeds will benefit the WEAT-NTS Scholarship Fund.

- Suitable for experienced and inexperienced shooters
- Bring your own equipment or rent at the range
- 100 clay targets per participant
- Shells sold separate from registration
- Mulligans or do-overs available for \$5 each and can be purchased on site
- Eye and ear protection available upon request
- 12 stations, each with two automatic target throwers
- Four shooters per team. Individuals not on a team will be assigned a team at the event
- Golf carts provided
- Barbecue lunch and drinks provided
- Event will be rescheduled only if heavy storms occur
- Shooters age 14 and younger will be accompanied by an adult

PRIZES

Prizes will be awarded to first, second, and third place teams as well as first, second, and third place individuals. Door prize drawings during lunch.

Additional prizes for:

- Most honest team score
- Most honest individual score
- Top female shooter
- Sponsorship recognition award
- Most improved

RULES

For the safety of shooters and bystanders:

- Each station will have a WEAT-NTS volunteer to oversee activities
- Eye and ear protection is mandatory
- Gun breech or actions must be open to show gun is unloaded at all times unless in the cage and ready to fire
- Never load gun until in the cage and ready to fire
- Never load more than two shells in a gun
- No shot size larger than 7-1/2s (7-1/2s, 8s and 9s only)
- Guns must have full stock and minimum 21-inch barrel
- Alcohol is prohibited
- Waiver forms will be required at check-in

Questions or volunteer opportunities contact:
Heather Compton at 214-619-9014 or
HACompton@GarverUSA.com

WHAT IS SPORTING CLAYS?

Sporting clays is "golf with a shotgun." It is a form of clay pigeon shooting that involves shooting clay targets at multiple locations (stations). Sporting clays targets are thrown in a great variety of trajectories, elevations, and distances. Targets can come through the trees, over your head, left to right, right to left, in any path a real bird might take. The stations are designed to be unpredictable and challenging for the shooter.

Each station has two clay-throwing machines. Targets are thrown in pairs. The number of clay pairs will vary from station to station. The types of pairs will also vary.

Some stations will be "report pairs" (the second target is launched on the report of the shooter's gun) and others will be "true pairs" (the two targets are thrown simultaneously).

Scoring is simple. Your team will receive one scoring card per shooter, with individual scoring based on 100 shots. For every target you break, the scorer will mark an X in the blank provided; if you miss, you mark an O. The number and type of pairs will vary by station. The high score is determined by the total sum of targets hit.

Registration Form

My team wishes to participate as follows:

Deluxe Package

includes packaged sponsorship, 4 shooter fees, 4 ammo(Qty. __20 gauge, Qty. __12 gauge) and 4 raffle tickets (PAID before 3/1/15)

Price	No.	Total
\$890	___	\$ ___

Registration Fee for Shooters

includes breakfast, lunch, and giveaways
 Shooter's fee (PAID registration before 3/1/15)
 Shooter's fee (PAID registration after 3/1/15)

Price	No.	Total
\$105	___	\$ ___
\$115	___	\$ ___

Ammunition (100 rounds)

12 gauge
 20 gauge

\$35	___	\$ ___
\$35	___	\$ ___

Optional Items

Lunch tickets (non-shooters only)
 Mulligan (do-over)
 Eye and ear protection
 Raffle ticket available on site. No limit on tickets.

\$20	___	\$ ___
\$5	___	\$ ___
\$0	___	\$ ___
\$20	___	\$ ___

Event Sponsorship

Stations sponsorship: Sign at a station
 Event sponsorship: Sign at meeting/lunch area
 Packaged Sponsorship: Sign at station and lunch area

\$150	___	\$ ___	
\$150	___	\$ ___	
\$250	___	\$ ___	Save \$50!

Total Amount Due

\$ ___

I will mail my check
 Make checks out to: WEAT-NTS
 Attn: Heather Compton
 3010 Gaylord Parkway Ste 190
 Frisco, Texas 75034

I will pay with credit card by
www.WEAT-NTS.com (click here)

Email your registration form to
HACompton@GarverUSA.com

Team Name: _____
 Main Contact: _____
 Phone Number: _____

Shooter 1: _____
 email: _____

Shooter 3: _____
 email: _____

Shooter 2: _____
 email: _____

Shooter 4: _____
 email: _____

DIRECTIONS

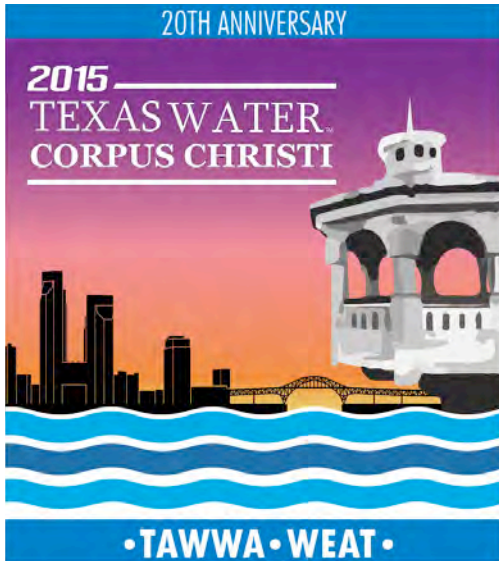
FROM DOWNTOWN DALLAS

Head west on Main Street toward S. Field Street
 Take the second right onto North Griffin Street
 Take the first left onto Elm Street
 Take the ramp onto I-35E N
 Take Exit 436 for TX-12 Loop/TX-348 Spur/ NW Hwy
 Keep left at the fork, follow signs for Texas 12 Loop E
 Turn left onto TX-12 Loop W/TX-348 Spur W
 Turn right onto Access Road
 Turn right to stay on Access Road
 Take the first left onto Luna Road
 Turn left, destination will be on the right



Registration Deadline
 Friday, March 13th

On-site registration will be
 accepted as long as
 space is available.
www.weat-nts.org



2015 Texas Water Dodson's Drive Fun Run



Team Challenge Registration Form



When: Wednesday Morning - April 15, 2015
Where: Scenic Corpus Christi Seawall
Format: 4-Person 5K Run. Best Overall Time
Entry Fee: \$ 250.00 per Team
Includes: Official Race Company Timing Operation
 "Race Bib & Timing Chips"
 Four (4) Custom 100% Moisture Wick Shirts
 Contact: Paige Boyd or Alex Applegate-AECOM for additional info:
paige.boyd@aecom.com alex.applegate@aecom.com

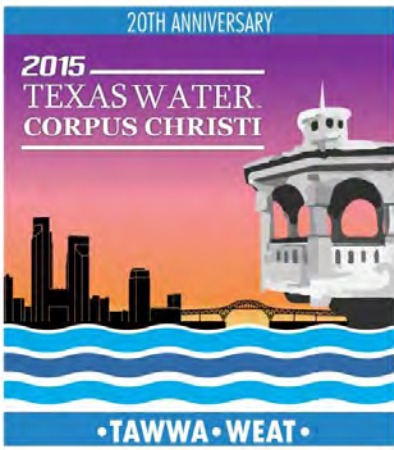
Benefitting:
WEAT / TAWWA
Young Professionals

Team Name: _____ which will appear on the back of the tech shirts
 Participant Name / Shirt Size
 Runner #1 _____ Size (circle): S, M, L, XL, XXL, XXXL - Captain
 Runner #2 _____ Size (circle): S, M, L, XL, XXL, XXXL
 Runner #3 _____ Size (circle): S, M, L, XL, XXL, XXXL
 Runner #4 _____ Size (circle): S, M, L, XL, XXL, XXXL

Team Sponsor / Firm Name: _____ Email: _____
 Address: _____ City: _____ State: _____ Zip: _____

Payment Method: Check ___ CC ___ Visa ___ MC ___ Disc ___ Amex ___
 Card #: _____ Expiration Date: _____
 Cardholder Name: _____ Cardholder Signature: _____

MAKE CHECKS PAYABLE TO: WEAT ENTRY DEADLINE IS WEDNESDAY, MARCH 11, 2015
 email forms to: julie@weat.org | online registration can be found at: <http://dodsonsdrive5k.itsvourrace.com>



Dodson's Drive

Fun Run/Walk

Sponsorship Opportunities

The Dodson's Drive was created in the spring in 2011 to honor the life and work of Kenneth Dodson. Kenny D worked in the wastewater industry for 20 years and was a tireless supporter of YP education and growth. The Texas Water 2015 Dodson Drive Fun Run features a scenic 5K run along the Corpus Christi seawall. Sponsors for this year's event will help benefit the Dodson Drive and raise funds to support WEAT/TAWWA Young Professional activities around Texas and send YPs to the YP Summit in San Diego CA. The Texas Water Dodson Drive fun Run is free for all runners and will depart at 7:00am Wednesday, April 15 from the American Bank Center. This is your opportunity to be a special part of Texas Water and the Dodson Drive!

Sponsorship Levels

- Tent Sponsor*\$1000
- Platinum T-Shirt Sponsor.....\$500
- Gold T-Shirt Sponsor.....\$250
- Any Amount is Welcome!

Sponsorship Recognition

T-Shirt Sponsors will receive the following recognition

- Signage at event
- Listing in Conference Program
- Recognition in WEAT's and TAWWA's pre and post conference publications

Tent Sponsor will receive large logo on T-shirt and Team Registration

Platinum Sponsor will receive smaller logo on T-Shirt

Gold Sponsor will receive name on shirt

**DEADLINE FOR SPONSORSHIP
MARCH 13**

Firm Name _____
(List Company Name EXACTLY as you wish it to appear in printed material)

Contact Name _____

Address _____

City _____ State _____ Zip _____

Phone _____ Email Address _____

___ Check is enclosed Charge my CC ___ VISA ___ MC ___ DISCOVER ___ AMEX

Card # _____ Expiration Date _____

Cardholder Name _____

Cardholder Signature _____

*** Tent Sponsors** receive a free team registration! This includes 4 poly-tech shirts with your custom logo and team name. Don't miss the opportunity to run the Fun Run as a Team!

MAKE CHECK PAYABLE TO: Water Environment Association of Texas

Return with payment to:

Texas Water 2015

c/o Water Environment Association of Texas (WEAT)

1825 Fort View Rd., Suite 102, Austin, TX 78704

Phone: (512) 693-0060, Fax: (512) 693-0062, Email: Julie@weat.org

One Water – Many Stories April 16, 2015, 1:15p-3:15p

Don't miss TAWWA and WEAT's inaugural joint program highlighting water outreach initiatives currently in action across the state at the upcoming Texas Water Conference!

Join us in a collaborative, storytelling environment as we learn about the tools and resources used by **El Paso Water Utilities**, the **City of Wichita Falls** and the **San Jacinto River Authority** before, during, and after their highly visible and politically charged water projects. Then hear how a utility can easily implement a program tailored to its own unique situation.

Chapter 1 - Wichita Falls: How the Citizens went from No Way to OK!

Chapter 2 - El Paso Water Utilities: Drink Up! The Public Perception of Toilet to Tap & Getting Public Acceptance.

Chapter 3 – SJRA: If You Don't Tell Your Story, Someone Else Will...A Hard-Hitting Approach to Communicate the Good, the Bad and the Ugly.

Water You Waiting for?-Open Dialog on Creating Your Own Story



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Past Section Rep	Darryl Corbin	972.239.9949	dcorbin@carollo.com

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Public Education / Science Fair	Amy Robinson	817.332.8727	robinsonar@cdmsmith.com
Scholarship Fund	Chris Young	214.346.4300	chris.young@mwhglobal.com
Seminar	Fred Holmes	817.8720.2630	fholmes@hazenandsawyer.com
Website	Holly Ingram	817.806.1750	holly.ingram369@outlook.com
Young Professionals – Dallas	Grace Wike	214.583.8501	grace.wike@jacobs.com
	John Zwerneman	972.239.9949	jzwerneman@carollo.com
Young Professionals – Fort Worth	Charles Norman	817.684.0900	charles@pumpsolutions.net
	Wesley Tait	817.806.1718	wtait@apaienv.com