



JANUARY DINNER MEETING

Date: Thursday, January 23, 2014

Location:

Texas Star Golf Course
1400 Texas Star Parkway
Euless, Texas 76040

Agenda:

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

Speaker: Timothy Matheny

Topic: Lots to Do: Ins and Outs of Alternative Project Delivery Methods for Civil Work Projects

COST	BEFORE JAN. 20	ON/AFTER JAN. 20
Members and Guests	\$20	\$25
Full-Time Students	Free	\$10

We offer a reduced fee to encourage early 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 or cash are accepted at the door for post-deadline and walk-in registrations.

RSVP: Brigit Buff at treasurer@weat-nts.org

MEETING DETAILS

Timothy Matheny will address requests for sealed bids and competitive proposals as well as briefly discuss the typical design-bid-build project and concentrate on CMAR. He will provide enlightenment regarding design-build project delivery methods from a legal perspective. In addition, he will present issues associated with each topic and include real-life examples from projects in which he has participated.



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JANUARY DINNER MEETING (CONT'D)

ABOUT THE PRESENTER



Timothy Matheny is a shareholder with Ford Nassen & Baldwin and is a resident in the Dallas office. His practice entails handling construction disputes and litigation—including all phases

of public procurement law—bid and proposal preparation, contract award controversies, performance-related disputes, and contract claims. Clients value his no-nonsense point of view and candor on important matters, so they can make informed decisions necessary for the growth of their business.

Timothy's experience as a member of the Air Force JAG Corps provides value to clients who do business with federal, state, and local governmental entities. His expertise in government contract matters includes all levels of government in both formal and informal proceedings before administrative agencies, boards of contract appeals, and litigation in state and federal courts.

Outside of the office, Timothy spends time with his family, hiking, rafting, and horseback and ATV riding. He enjoys target shooting with various types of firearms. In the next few years, he plans to pursue a Master's in Military History.

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LEADERSHIP MESSAGE



SEPARATING SOLIDS FROM LIQUIDS

Another 31,536,000 seconds come and gone. Seems like a long time when you look at it that way, but is still only boils down to one year in a lifetime—which, if we all reach the average life expectancy of 76 years, would equate to approximately 1.3% of our life gone by. All of a sudden it doesn't seem like such a long period of time. I suppose what that means is that we should all buckle down and get busy making a difference, because indications are that time is not on our side... **or is it?**

At the end of the 19th century, the death rate in the United States attributable to typhoid fever was approximately 110 individuals per 100,000 population. In the first decade of the 20th century, filtration was used as the primary means of water treatment. Contaminated solid material was separated from water, thereby reducing the incidence of typhoid to 20 individuals per 100,000 population. It seems amazing that simple physical separation could reduce the incidence of typhoid fever by 82%, but it did. And in 1914—only one hundred years ago—the U.S. Public Health Service developed the first drinking-water regulations in the United States. ***In less than a lifetime, typhoid fever has been all but eradicated from the U.S. through filtration and chlorination.***

Over the holidays, I was watching a program on the History Channel called "The Prophets of Doom." The program featured five apocalyptic-scenario experts discussing how civilization might end. Now, granted, this is a TV show and what is said should be taken with a grain of salt, but I still found it intriguing that these five individuals agreed that the number one potential cause for civilized collapse was related to the water supply. It was stated that "not only is our supply of freshwater running short, but the quality of the water we have is getting worse. Shortages will become more frequent and the potential for disease and

contamination increases." So it would appear that our attention to water quality has allowed our civilizations to grow, and, in turn, our lack of attention to water could cause our civilizations to fall.

With new technology and the availability of sharing information, what will we achieve this year? Think about it, my friends: we have gone from keeping water contaminated with sewage out of our public water supply to actually dealing with the root cause of the contamination, eliminating it, and putting that water back into our water supply to be reused—all in less than a lifetime.

So what's next? Where and from whom will come the next great idea to aid in public health and water quality? Who will be the first to develop a system to take us to the next level?

Is it coincidence that next month WEAT-NTS will be hosting its Third Annual February Seminar, titled "Separating Solids from Liquids"? One hundred years after the creation of the U.S. Public Health Service, individuals with expertise and experience in solids separation will be sharing their knowledge on the advancements of solids separation. An entire day spent on discussion and sharing information about the technology that started water purification and has allowed our major metropolitan cities to thrive.

There is no excuse for not being there! **We all need to be there, because one of us may have the next solution to the next water challenge.** Together, we are a formidable group of professionals. I look forward to seeing each and every one of you at the February Seminar. Let's make it the best seminar we've ever had.

WEAT-NTS is what you make it... **so make it great!**

Sebastian "Buster" Fichera, REM
WEAT-NTS President



LEADERSHIP

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On a sad note...

One of our dear colleagues and friends, **Samir “Sam” Bastawros**, passed away Monday evening. As many of you know, Sam served our environment and community as an employee of the City of Dallas Water Utilities since 1998. He worked at both the Southside and Central Wastewater Treatment Facilities as Assistant Plant Manager and Technical Support. Arrangements are pending.



WEAT-NTS LEGISLATIVE UPDATE

NORTH TEXAS SECTION GOVERNMENT AFFAIRS UPDATE ON BIOSOLIDS LAND APPLICATION RULEMAKING

On November 20, 2013, the Texas Commission on Environmental Quality's staff presented a report to the Commissioners recommending a statewide rulemaking on land application of biosolids. This report was the result of an investigation and stakeholder input received regarding a petition filed concerning odors from land application sites in Ellis County. The TCEQ Commissioners directed staff to proceed with statewide rulemaking and to provide opportunity for additional stakeholder input on the proposed rules. Additionally, the Commissioners instructed the Executive Director to consider the inclusion of performance based criteria to address odor.

On December 17, 2013, TCEQ staff posted concepts for rulemaking, which included:

- Separation of existing Class A sewage sludge into two categories: Class A and Class AA. The Class A category would consist of treatment processes to further reduce pathogens or EPA-approved equivalent as defined within Title 40, Code of Federal Regulations, Part 503, Subpart D. The Class AA category would include treatment processes under pathogen alternatives 1 through 4 within 40 CFR Part 503, Subpart D.
- Clarification of the Executive Director's existing ability to include additional, more stringent requirements to any Class A, AA, or B sludge land application site.
- Inclusion of core requirements to be applicable to all bulk Class A, AA, and B land application sites. Core requirements would:
 - ✓ Prohibit land application during rain events or on saturated soils. This is already a requirement for Class B land application.

- ✓ Require Best Management Practices to control tracking of material on roads.
- ✓ Clarify that nuisance condition provisions apply to all Class A, AA, and B application sites.
- ✓ Require the submittal of an Adverse Weather and Alternative Plan.
- ✓ Inclusion of requirements at newly defined bulk Class AA land application sites, including:
 1. Posting signage at application sites
 2. Buffer zones to odor receptors
 3. Requirements for staging biosolids away from odor receptors

After a stakeholder meeting on January 7, 2014, TCEQ will then finalize the draft rule language based on stakeholder input.

The proposed rule will be scheduled for a Commissioner's Agenda (March 26, 2014) for permission to publish the draft rule in the Texas Register for official public comment. The final rule will be scheduled for a Commissioner's Agenda in September 2014 for adoption. Additional information on the TCEQ stakeholder process can be viewed at <http://www.tceq.texas.gov/permitting/wastewater/sludge/rulemaking>.

WEAT and TACWA provided TCEQ with some preliminary comments in a letter dated December 11, 2013. These comments urged TCEQ to consider developing a separate classification scheme for odors not based on pathogen reduction. The WEAT/TACWA letter can be viewed at <http://www.weat.org/regulatory-affairs.shtml>.

Don't forget to check the WEAT website legislative page frequently to find the listing of water-related bills that WEAT is tracking.



WEAT-NTS offers three levels of dinner meeting sponsorship, plus multiple individual sponsorship opportunities. See the details below for how you can support WEAT-NTS for the July 2013 to June 2014 Fiscal Year. The sponsorship will allow your firm access to over 500 NTS members and is greatly appreciated.

WEAT – North Texas Section Sponsorship Opportunities Valid July 2013 to June 2014

Individual Sponsorship Opportunities

- Fall BBQ Picnic Cook-Off – \$250
- Sporting Clay Station – \$150
- WEAT – NTS Scholarship – \$100
- Daryl Hall Scholarship – \$100
- NTS Newsletter Business Card Ad – \$150
- NTS February Seminar – \$250
- NTS Young Professionals – \$100
- Recognition of Individual Sponsors includes:
 - ✓ List of sponsors in newsletter announcement
 - ✓ List of sponsors in event reminder emails
 - ✓ Sign at event listing each sponsor

Classic Sponsor

- \$250 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 emails (name of firm)
- ✓ Sign at meeting listing the sponsors (name of firm)
- ✓ Verbal recognition of sponsors by President at the beginning of the meeting

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- \$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 emails
 - ✓ 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 Newsletter

To become a sponsor for the July 2013 to June 2014 Fiscal Year— and to get your company name in front of over 500 members— please contact:

*Brigit Buff
WEAT-NTS Treasurer
Email: Brigit.buff@CH2M.com
Phone: 972.663.2239*

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

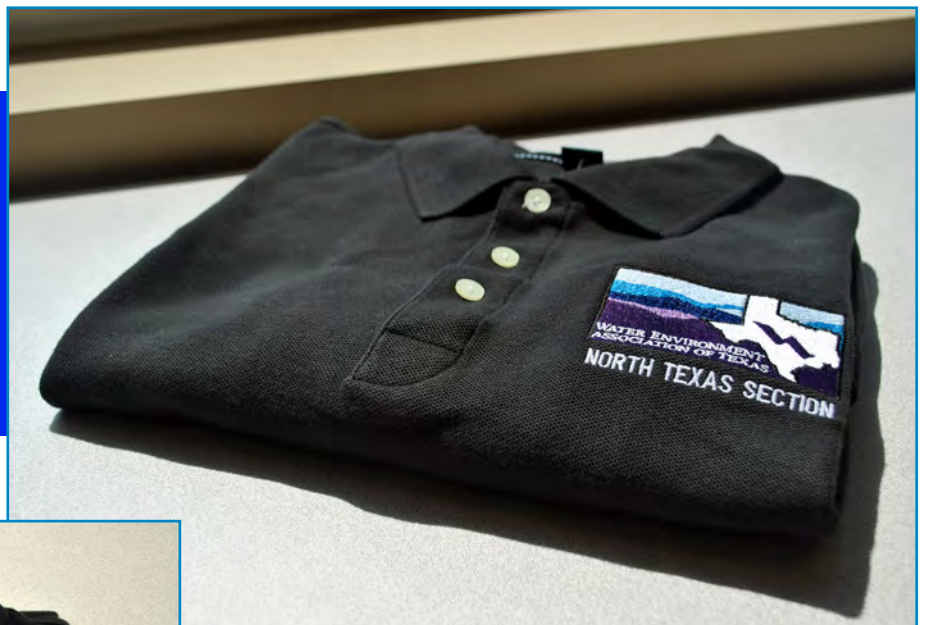
WEAT★NTS T★shirts For sale!

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 NTS Treasurer **Brigit Buff**). Checks can also be mailed to the following address:

ATTN: Brigit Buff
CH2M HILL
12750 Merit Drive, Suite 1100
Dallas, Texas 75251

For more information, please contact Brigit at treasurer@weat-nts.org or 972.533.2499.



NOVEMBER 2013 DINNER MEETING

Thank you to everyone who attended the WEAT-NTS dinner meeting at Texas Star Golf Course on November 21, 2013! The dinner meeting drew 40 attendees. Treasurer Brigit Buff provided an outstanding and comprehensive Annual Financial summary. She noted top sources of revenue include the Sporting Clays event, investment growth and sponsorships. This year, WEAT-NTS awarded 18 scholarships!

The program presentation was provided by Victor A. Weir II, PE, of Vic Weir Consulting, who introduced us to TRA Central's Centralized Chiller Project. The project replaces the HVAC in five buildings and provides for a centralized chiller in a new location to reduce energy consumption, reduce maintenance expenses, and reduce the number of maintenance points. Some of the innovative steps taken in this project included vetting mechanical contractors that possess both water/wastewater and complex building renovation experience prior to the bidding.

The dinner meeting drew a crowd.



Treasurer Brigit Buff presented the FY12/13 budget report.



Many thanks to our generous sponsors!



NOVEMBER 2013 DINNER MEETING (CONT'D)

Jeff Sober discussed the member survey results for the sporting clays event in March. Over 50 members responded to the survey!



Mark Perkins reminds everyone about the upcoming 2014 February Seminar.

Vic Weir, PE, delivers a presentation about TRA Central's centralized chiller project.



President Buster Fichera thanks Mr. Weir for his presentation and dedication to the industry.

SEMINARS • WORKSHOPS • TRAINING

GET EXCITED ABOUT THE FEBRUARY SEMINAR!

The North Texas Section of WEAT invites you to join us on February 11, 2014, as we explore **The Wastewater Guide to Physics**. The committee is already reviewing exciting abstract submissions about the many physical separation processes throughout wastewater facilities. Make plans to be a part of an event that drew nearly 150 attendees and 36 sponsors last year! *Details on how you can be a part are coming soon, so stay tuned!*

WEAT E&I COMMITTEE JANUARY SEMINAR

The WEAT E&I Committee will be sponsoring its first technical seminar of 2014 on January 15. This month's session will cover aeration as applied to water and wastewater applications.

- **Date:** Wednesday, January 15, 2014
- **Time:** 9:00 a.m. – 12:00 p.m.
 - ✓ Meet & Greet begins at 8:30 a.m.
- **Location:** City of Fort Worth Village Creek WRF Training Room
4500 Wilma Lane
Arlington, Texas 76012

Samir Mathur, PE, of CDM Smith will provide an aeration process overview. He will be followed by Aaron Kreel, PE, with GE-Roots Blowers, Compressors, and Controls, who will cover aeration control techniques. Lunch will be provided immediately after the meeting compliments of Rockwell Automation.

Upon arrival, we will have a donation jar for Water For People. This will be an ongoing effort, and it will continue to be entirely voluntary. Plans are to donate 100% of the amount collected to charity. As you know, we have not charged—nor do we plan to begin charging—any fee for participation in

these seminars. This opportunity to make a totally voluntary charitable donation is intended to make a difference, so your generosity is appreciated.

Contact: George Luke at gluke@gaiconsulting.com

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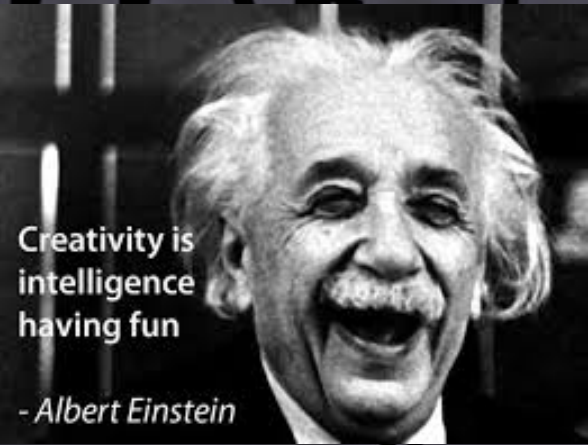
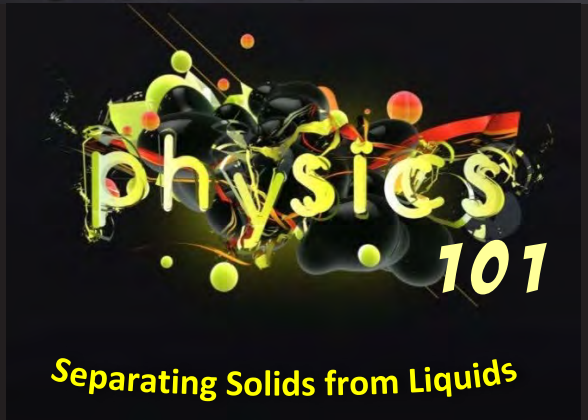
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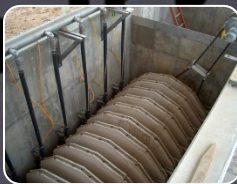
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Tuesday, February 11, 2014
CityPlace Conference and Event Center
2711 North Haskell Avenue
Dallas, Texas 75204



SEMINAR PROGRAM

7:30 am	REGISTRATION AND CONTINENTAL BREAKFAST	
8:30 am	Welcome and Opening Remarks Mark Perkins, PE, Perkins Engineering Consultants	
8:45 am	Screening	Anything You Can Do, I Can Do Better Central Regional Wastewater System Influent Coarse Screens and Fine Screens <i>Uday Sant, PE, AECOM; Sam Barraco, PE, AECOM; Michael Woolsey, PE, TRA</i>
9:15 am		One Way or Another, I'm Gonna Get Ya Grinders to Coarse Screens to Fine Screens to Ultra Fine Screens for Membrane Protection <i>James Impero, OVIVO</i>
9:45 am	Grit Removal	Eat My Grits Grit Characterization & Grit Removal Notes on Design <i>William Flores, Smith & Loveless, Inc.</i>
10:15 am	BREAK	
10:30 am	Primary Treatment	Separated, And It Feels So Good Time to Re-think Primary Treatment Eco-efficient Solids Separation <i>Rob Jansen, Trojan Technologies</i>
11:00 am	Liquids Treatment	I Get By With A Little Help from My Friends Guam Water Authority – Agana 21 MGD Wastewater Treatment Plant Moratorium Project to Provide Upgrade for Chemically Enhanced Primary Treatment <i>Ronald Abraham, PE, BCEE, Gresham, Smith, and Partners</i>
11:30 am		You Can Not Handle Pressure Combining Stress Testing and Dynamic Linking of Whole Plant Simulators and CFD for the Evaluation of WWTP Peak Capacity in BNR/ENR Plants <i>Ron Latimer, PE, Hazen and Sawyer, PC</i>
12:00 pm	LUNCH	
1:00 pm	Effluent Filtration	The Tide is High Performance Testing of High Peak Flow Cloth Media Retrofit of Traveling Bridge Filters <i>John Bennett, TRA; Bill Tatum, TRA</i>
1:30 pm		Let's Get Physical Get'em Bugs Outta Here. A Strictly Physical Approach to Direct Potable Reuse <i>Graham Juby, Carollo; Eva Steinle-Darling, Carollo</i>
2:00 pm		Drink with Me to Days Gone By Membranes for Direct Potable Reuse <i>David Sloan, Freese and Nichols, Inc.</i>
2:30 pm	BREAK	
2:45 pm	Solids Thickening & Dewatering	How Do I Love Thee? Let Me Count the Ways Evaluation of Sludge Thickening Technologies <i>Andrea Odegard-Begay, Garver</i>
3:15 pm		Loving, Touching, Squeezing Squishing the Most Value Out of Your Dewatering Facility: The DWU Southside Experience <i>Leslie Castillo, PE, DWU</i>
3:45 pm	Closing Comments & Door Prizes (Must be Present to Win)	
4:00 pm	End	

WATER AND WASTEWATER Training Schedule



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2014 SCHEDULE



OTHER COURSES AVAILABLE FOR SCHEDULING AT THE NORTHWEST CAMPUS OR ONSITE FACILITY

20 HOUR

- Groundwater Production
- Water Distribution

24 HOUR

- Surface Water Production I
- Water Laboratory

The Northwest Campus Online Testing Center also offers TCEQ CBT testing. For a complete list of TCEQ exams or to schedule an appointment to test, please call **817-515-7653**.

For additional information, contact
Marisa Reyes at 817-515-7049 or
marisa.reyes@tccd.edu.

8 HOUR – \$160

MATH BASICS

March 21 (Friday)

November 28 (Friday)

10 a.m.–7 p.m.

WATER/WASTEWATER SECURITIES

November 21 (Friday)

8 a.m.–5 p.m.

20 HOUR – \$200

BASIC WASTEWATER OPERATIONS

March 19–21

October 8–10

8 a.m.–5 p.m. (Wednesday/Thursday)

8 a.m.–12 p.m. (Friday)

BASIC WATER WORKS OPERATIONS

February 26–March 1

September 17–20

6–10 p.m. (Wednesday/Thursday/Friday)

8 a.m.–5 p.m. (Saturday)

WASTEWATER TREATMENT

April 18 and 25 (Fridays)

October 10 and 31 (Fridays)

10 a.m.–7 p.m.

WATER UTILITY CALCULATIONS

April 2–5

December 3–6

6–10 p.m. (Wednesday/Thursday/Friday)

8 a.m.–5 p.m. (Saturday)

WATER UTILITY SAFETY

May 7–10

6–10 p.m. (Wednesday/Thursday/Friday)

8 a.m.–5 p.m. (Saturday)

24 HOUR – \$260

(Includes student hands-on component)

WASTEWATER LABORATORY

July 15–17

December 9–11

8 a.m.–5 p.m.



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The Program

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Required Courses

Principles of Construction Management and Contracts

2/22 - 3/1 Saturdays 8:00 am - 4:30 pm

Construction Specification and Documentation

3/22 - 3/29 Saturdays 8:00 am - 4:30 pm

Construction Project Cost Estimation

4/5 - 4/12 Saturdays 8:00 am - 4:30 pm

Project Planning and Scheduling

5/10 - 5/17 Saturdays 8:00 am - 4:30 pm

Register for courses separately or receive a discount when you register for all four courses at once.

Who Should Attend

- Professionals looking to increase their promotion and earning potential with a Master Certificate in Construction Management
- Construction and project supervisors, schedulers, cost estimators, project engineers and all professionals involved in planning, designing, and building
- Experienced professionals intent on becoming a professional construction manager

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Early Registration Deadline – January 14, 2014

<p>Please register me for the – 4M's of Collection Systems: The Saga Continues Conference & Expo.</p> <p>Name _____</p> <p>Title/Position _____</p> <p>Organization _____</p> <p>Billing Address _____</p> <p>City _____ State _____ Zip _____</p> <p>Op or PE License #: _____</p> <p>Email Address _____</p> <p>Telephone _____</p> <p>Fax _____</p> <p>Member of WEAT/WEF @\$185 = \$ _____</p> <p>Member – Government/City @\$145= \$ _____</p> <p>Student @\$15= \$ _____</p> <p>*Non-Member @\$235= \$ _____</p> <p>*Non-Member – Gov/City@\$195= \$ _____</p> <p>*(includes WEAT Only Membership)</p> <p>Total = \$ _____</p> <p>AFTER JANUARY 14 – ADD \$20 TO FEE. Please duplicate form for additional registration</p>	<p>Method of Payment:</p> <p><input type="checkbox"/> Check <input type="checkbox"/> Visa <input type="checkbox"/> MC <input type="checkbox"/> AMEX <input type="checkbox"/> Discover</p> <p>Card# _____</p> <p>Expiration Date: _____</p> <p>Name on Card _____</p> <p>Card Holder Signature _____</p> <p>Amount: _____</p> <p>Registration Fee Includes: continental breakfast, lunch, and breaks. Space is limited, so register early.</p> <p>8.5 hours of CEUs for wastewater operators has been requested through the TCEQ</p> <p>Please mail or fax registration form with check or credit card payment to:</p> <p style="text-align: center;">WEAT 1825 Fort View Road, Suite 102 Austin, Texas 78704 Phone: (512) 693-0060 Fax: (512) 693-0062</p> <p style="text-align: center;">Register on line at www.weat.org or Email registration forms to julie@weat.org</p> <p>Cancellation Policy: Full refund if registrant cancels 10 days before program date.</p> <hr/> <p>WEAT has reserved a block of rooms at the Embassy Suites, 1001 McCarty Lane, San Marcos, TX 78666.</p> <p>WEAT has obtained discounted single or double rate of \$135. The reservation deadline is January 4, 2014. After this date, reservations will be accepted on a availability basis.</p> <p>To make your reservation, call 512-392-6450. Be sure to mention WEAT when making your reservation.</p>
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QUESTIONS: Call the WEAT Office at (866) 406-9328 or email julie@weat.org
Exhibits and Sponsorship Opportunities Available





Friday, March 21, 2014
7:30 a.m. to early afternoon

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

EVENT DETAILS

The 5th 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 a shotgun at the range
- 100 shells provided with each registration
- 100 clay targets per participant
- 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:
Jeff Sober at 214-883-6263 or JLSober@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:

Registration Fee for Shooters (includes breakfast, lunch, giveaways, and 100 rounds of ammunition)

Shooter's fee (**PAID** registration before 3/1/14)
 Shooter's fee (**PAID** registration after 3/1/14)

Optional Items

Lunch tickets (non-shooters only)
 Mulligan (do-over)
 Eye and ear protection

Event Sponsorship

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

Shotgun Raffle

Raffle ticket available on site. No limit on tickets.

Total Amount Due

Price	No.	Total
\$140	___	\$___
\$150	___	\$___
\$20	___	\$___
\$5	___	\$___
\$0	___	\$___
\$150	___	\$___
\$150	___	\$___
\$250	___	\$___
\$20	___	\$___
		\$___

SAVE \$50!

I will mail my check with print of my registration form

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

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

Shooter 1: _____
 email: _____

Shooter 2: _____
 email: _____

Shooter 3: _____
 email: _____

Shooter 4: _____
 email: _____

Registration Deadline
 Friday, March 14th

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

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



OPERATIONS CORNER

HAROLD EAGLIN, CITY OF GARLAND

Harold Eaglin has been employed with the City of Garland for over 21 years. He began work for the City as an Operator 1 in December 1992



making sewer repairs. Through the years, he has moved up through the ranks to his current position as Sewer Maintenance Supervisor in the Water Utilities Department.

In 1996, the City developed an infiltration and inflow (I/I) department, to which Harold was assigned as a Senior Supervisor. By 1999, he had advanced to the role of Supervisor, and two years later he was appointed as the head of the I/I department.

Throughout his tenure with the City, Harold's love and excitement for his job have led him to go above and beyond the call of duty. His enthusiasm has inspired those around him to take pride of ownership in their jobs and the work they do, which subsequently has continued to improve the City's infrastructure, saving Garland's citizens thousands of dollars.

The City of Garland's I/I program began with the inspection of every manhole within the City's collection system. An outside consultant was hired to educate and coach the City staff as to the proper manner in which to inspect the manholes and place them into ranked categories based on the repairs needed. The staff then set forth with inspection of the manholes starting with the oldest areas of the city and logged information about the type, material, and condition of each manhole into a database. Harold was involved in this process from the beginning and was out in the field taking photographs of the manholes,

inspecting each one with respect to the material of construction and the condition and integrity of the manhole. After inventorying, inspecting and logging data about the manholes, the City began repair and rehabilitation efforts. The City's I/I field crews were responsible for these tasks, so Harold spent a significant amount of time in the manholes repairing benches and inverts as well as patching holes with the other crews.

In an effort to maximize the crews' efforts, Harold had four manufacturers test their products in manhole test sections in the system to see how each performed under field conditions. The results of those test areas guided the City in the selection of which product it would be utilizing for the majority of the repairs being performed. The product selected was one that would harden quickly, adhere to the walls and base of the structure, and last in the corrosive environments experienced in these settings. While Harold will not say any one particular product is the best product on the market, he will happily tell you without hesitation what product has historically worked best in Garland's system.

Harold's dedication to his work has helped to provide the backbone for the City's Sanitary Sewer Overflow program. He and his crews inspected 7–8 miles of line with the use of CCTV, inspected 3,500 manholes, and performed 1,100 to 1,200 repairs *per year* during the height of the manhole program. The rehabilitation performed on the manholes has reduced the number of manhole overflows from 200–300 per year back in 1996 when the I/I department was created, down to 25–28 manhole overflows per year in the present day. This vast improvement has allowed the City to refocus its efforts from manholes to line work and continue attacking the I/I problem.

ANNOUNCEMENTS

GARVER CONGRATULATES DEAN VRLA AND WELCOMES BARRY HAMPSON



Garver is pleased to announce that **Dean Vrla** has officially passed the professional engineer licensing exam. He is a Senior Project Engineer in Garver's Texas Water Group with six years of experience in the Texas utilities industry. Dean's technical

expertise is in water and wastewater pipeline design, storm sewer system design, pump stations, metering, and outflow structures.

Garver is also pleased to announce that **Barry Hampson, PE**, has joined the Frisco office as a Senior Project Manager.

Barry has both a bachelor's and master's degree in civil/environmental engineering and over 40 years of experience in the water and wastewater industry across the United States. He has significant experience in large pipeline and pump station design and will support the existing process and pipeline teams.



AMY ROBINSON RECEIVES BCEE CERTIFICATION

Our very own WEAT-NTS Past Section Representative, **Amy Robinson**, received her certification as a Board Certified Environmental Engineer (BCEE) in the specialty of Water Supply and Wastewater. Ms. Robinson is a Senior Project Manager with CDM Smith with more than 16 years of experience in the wastewater industry.

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ANNOUNCEMENTS

UTRWD ANNOUNCES PROMOTIONS AND PROGRAM WIN

Upper Trinity Regional Water District is excited to announce two recent staff promotions and the receipt of a national award.

Ben Hodges has been promoted to Northeast Operations Manager. In that role, he is responsible for the day-to-day operations and maintenance of the 20-mgd Tom Harpool Regional Water Treatment Plant, the 2-mgd Riverbend Water Reclamation Plant, and the 0.94-mgd Peninsula Water Reclamation Plant. Additionally, a new 2-mgd Doe Branch Water Reclamation Plant is currently in the final design stage with an expected start of construction during the spring of 2014.

Larry Patterson has been promoted to Deputy Executive Director. In addition to serving as the Executive Director's primary assistant, Larry will be responsible for managing the Operations & Maintenance activities for the District's water/wastewater facilities (five treatment plants), water resource planning, and oversight of the Engineering & Construction Program.

The Upper Trinity Regional Water District has been recognized by the National Association of Clean Water Agencies (NACWA). The District will be among five agencies honored under the Public Information & Education Award category for its **Watershed Protection Educational Program**. NACWA's National Environmental Achievement Awards Program annually recognizes member agencies that have made outstanding contributions to environmental protection and wastewater management. The awards under the Public Information and Education category honor agencies for their inventive efforts to educate the public on the effects of waste water treatment and pollution control on the environment. The award will be presented in February 2014 at NACWA's Winter Conference in Santa Fe, New Mexico.

HAZEN AND SAWYER EXPANDS METROPLEX PRESENCE

Hazen and Sawyer is growing its Metroplex-based presence, adding staff expertise in pipelines.

Sahar Hasan joins Hazen and Sawyer as an Assistant Engineer. Sahar specializes in construction management, pipeline design, and sewer rehabilitation, having recently conducted CIPP training and managed research projects for the development of new CIPP technologies. Sahar received her Master's from the University of Texas at Arlington, studying and working with Dr. Mohammad Najafi, PE. She assisted Dr. Najafi on various research projects, including the Integrated Pipeline (IPL) project for Tarrant Regional Water District, studying the potential for using native / modified native soils to help reduce project costs and impact. Sahar's thesis focused on the evaluation of project delivery methods for trenchless construction.



PERKINS ENGINEERING CONSULTANTS WELCOMES BRANDY MARTINEZ



Perkins Engineering Consultants, Inc., is pleased to announce that **Brandy Martinez** has accepted a position with the firm. She completed a Bachelor of Science degree in Geological Engineering

from the University of Texas at Arlington in the fall of 2013. She has been employed as an intern with the firm and began full-time employment as a graduate engineer in December.

ANNOUNCEMENTS

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.

YP HAPPENINGS

AWWA/WEAT HAPPY HOURS

The YPs are gearing up for another great year! Stay tuned for information about the next YP happy hour and other fantastic events!



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		MCKINNEY 214.733.5900
		ROUND ROCK 512.685.2900
		SAN ANTONIO 210.841.2800

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.

ONLINE PAYMENT AVAILABLE

WEAT-NTS sponsors and dinner meeting attendees can now 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 reduced fees by paying online.

WEAT-NTS CALENDAR OF EVENTS

EVENT	DATE	LOCATION	TOPIC
WEAT-NTS January Dinner Meeting	January 23, 2014	Texas Star	Alternative Project Delivery Methods for Civil Work Projects
February Seminar	February 11, 2014	CityPlace Dallas	The Wastewater Guide to Physics
WEAT-NTS March Dinner Meeting	March 20, 2014	TBD	TBD; Officer Nominations
Sporting Clay Shoot	March 21, 2014	TBD	Fun, Fun, Fun!
WEAT-NTS May Dinner Meeting	May 15, 2014	TBD	TBD; Officer Elections



WEAT-NTS CONTACTS

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