



# WATER ENVIRONMENT ASSOCIATION OF TEXAS

*Preserving & Enhancing the Water Environment of Texas*

**Central Texas Section**

**September 2012**

## ***Central Texas WEAT March Meeting Presents***

**Chris Hunniford, PE and Roman Grijalva, PE, PMP**

**Tuesday, September 18, 2012 at 6:00 p.m.**

**Joe C. Thompson Center, University of Texas, Austin**

## **Finding and Eliminating Odors in a Wastewater Tunnel: A Case Study of an Odor Control Evaluation and Subsequent Facility Design in South Austin**

The Austin Water Utility has determined that wastewater conveyance system improvements are required for the development of a portion of the I-35 South Corridor. The South I-35 Water/Wastewater Program was created to provide various water and wastewater improvements and as part of its wastewater facility planning, the Utility proportioned the project into 3 separate tunnel packages.

As part of the South I-35 Water/Wastewater Program, V&A Consulting Engineers, Inc. (V&A) was retained to perform a ventilation analysis and provide odor control recommendations of a proposed tunnel system consisting of over 12,000 LF of wastewater interceptors. The purpose of the ventilation analysis was to determine where and at what volume odor may be released along the alignment of the three proposed tunnels. Factors that influence sewer and tunnel ventilation such as friction between the sewer headspace air and the moving wastewater, air movement in complex networks, dropshaft ventilation, and air entrainment and eduction will be discussed.

Jacobs Engineering Group, Inc. (Jacobs) was selected to design and prepare bid documents for the Onion Creek Wastewater Interceptor Tunnel, the most downstream of the three tunnel packages, which begins from the existing Slaughter Creek Wastewater tunnel and runs south to the existing Onion Creek Package Wastewater Treatment Plant (OCPWWTP). As a result of V&A's recommendations, Jacobs was tasked with incorporating the odor control facility, including the ventilation pipe, into the final tunnel design documents. The odor control facility, the corresponding ventilation pipeline, tie-in issues to the existing wastewater system, and ancillary items will be discussed in detail.

Chris received a B.S. in Chemical Engineering from the University of South Florida and is a licensed professional engineer in the state of Texas. He is the Central Region Manager for V&A Consulting Engineers and has 7 years of professional experience in the field of wastewater odor and corrosion control. He has been the project engineer on a variety of municipal odor control projects involving wastewater collection system and treatment plant master plans, fan testing, and odor control facility design. He has also been the author of a number of technical papers on the subject of sewer ventilation dynamics.

Roman is a Senior Project Manager with Jacob's Water Infrastructure Programs Group, where he is responsible for engineering design, project management, and client services. He is a registered Professional Engineer, Project Management Professional, is active in various professional societies, and has been a member of various city and county boards and commissions.



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*Preserving & Enhancing the Water Environment of Texas*

## MEETING INFORMATION

Please RSVP by contacting **Aldo Sotelo** by Thursday, September 13, 2012

Call (512) 328-0011 or Email: [asotelo@burypartners.com](mailto:asotelo@burypartners.com)

Meeting Cost: Members and Guests - \$20.00, Students - \$5.00

*Meeting fee covers facility rental, dinner and non-alcoholic beverages. Cash bar also provided.*

Meeting Location: Joe C. Thompson Center, University of TX, 2405 Robert Dedman Drive (Located on the SW corner of Dean Keeton and Red River).

WEAT Meeting Attendees:  
Prepay with PayPal

Pre-pay for each meeting by credit card online at: [www.weat.org/central](http://www.weat.org/central)  
Click on "Calendar" (on left side), under "Regular Meetings" heading, click on "pay in advance by credit card" link. OR - go directly to:

<http://weat.org/central/paypal-meetings.htm>

## UPCOMING MEETINGS AND EVENTS – MARK YOUR CALENDAR

DATE	EVENT	LOCATION	SPONSOR(S)
September 14, 2012	Texas Water 2013 Abstract Submission Deadline	Galveston, TX	WEAT/AWWA
September 18, 2012	Central Texas Section Meeting	UT Thompson Center Austin, TX	CTS WEAT
September 29- October 3, 2012	WEFTEC 2012	New Orleans, LA	WEF
October 1, 2012	<i>Krewe de WEAT</i> at the Texas Reception at WEFTEC 2012	Hilton New Orleans Riverside New Orleans, LA	WEF
November 13, 2012	Central Texas Section Meeting	UT Thompson Center Austin, TX	CTS WEAT
November 13, 2012	Texas Water Environment Horizon	Long Center Austin, TX	WEAT/TACWA
November 29, 2012	Dewatering 101: Getting the Most Out of Your Dewatering Operation	your computer	WEAT
December 6, 2012	Dewatering 201: Technology, Evolution and Trends	your computer	WEAT

## CENTRAL TEXAS SECTION WHAT DO YOU WANT TO LEARN MORE ABOUT?

The Central Texas Section of WEAT is looking for your feedback on topics to be presented at our section meetings and at specialty conferences. Please contact Secretary, **Aldo Sotelo** with any suggestions that you may have. Also, if you are interested in sponsoring a Central Texas Section WEAT event, please contact President Elect, **Jason Christensen** for more information. As always, we thank you for supporting Central Texas WEAT!!!

### Central Texas Section Officers are listed below.

- President – Joe Hoepken, 512-972-1168, [joe.hoepken@austintexas.gov](mailto:joe.hoepken@austintexas.gov)
- President Elect – Jason Christensen, 512-912-5109, [jason.christensen@hdrinc.com](mailto:jason.christensen@hdrinc.com)
- Vice President – Orren West, 512-972-1957, [Orren.West@austintexas.gov](mailto:Orren.West@austintexas.gov)
- Secretary – Aldo Sotelo, 512-328-0011, [asotelo@burypartners.com](mailto:asotelo@burypartners.com)
- Treasurer – Will Sarchet, 512-453-5383, [wsarchet@carollo.com](mailto:wsarchet@carollo.com)
- Section Rep. – Kathy Fretwell, 512-345-8600, [kathyfretwell@kennedyjenks.com](mailto:kathyfretwell@kennedyjenks.com)
- Past President – Susan Smith Turrieta, 512-381-8333, [ssmith@lvinc.com](mailto:ssmith@lvinc.com)

## WEAT/AWWA HAPPY HOUR – SEPTEMBER 2012



In lieu of our August happy hour, the WEAT YPs are invited to join the ASCE Younger Member Forum as they host guest speaker Mr. Anthony Fasano, P.E., author of “Engineering Your Own Success.” Mr. Fasano is a nationally recognized executive coach and inspirational speaker, specializing in the areas of engineering career development as well as leadership. The event is scheduled for:

**Date: Monday, September 17, 2012**

**Time: 6:30-7:30 pm**

**Location: LCRA Red Bud Center**

**[3700 Lake Austin Boulevard, Austin, Texas 78703](#)**

Limited seating is available for this event. **RSVP is recommended but not required.** Please send RSVPs to Joseph Goessling at [JGoessling@kfriese.com](mailto:JGoessling@kfriese.com).

The next WEAT YP event will be in conjunction with the University of Texas student chapter members on October 18<sup>th</sup> at the Highball.

If you would like to be added to the announcement list or would like to sponsor an upcoming YP event, please email **Rebecca Musk** at [reg@freese.com](mailto:reg@freese.com), **Grace Wike** ([Grace.Wike@Jacobs.com](mailto:Grace.Wike@Jacobs.com)) or **James McDonald** ([jmcdonald@lvinc.com](mailto:jmcdonald@lvinc.com)).

## WEAT/AWWA YOUNG PROFESSIONALS SUMMIT – MARCH 2013

Don't miss the opportunity to network with WEF/AWWA leadership and advance your professional development during this event. One representative of WEAT and AWWA will be sponsored to attend the YP Summit held in conjunction with the Utility Management Conference. Sponsorship includes registration, airfare, hotel and meals.

**Date: March 10, 2013**

**Location: Phoenix, AZ**

**Application Deadline: December 1, 2012**

Download application from: [www.weat.org/yp](http://www.weat.org/yp)

For more information contact Rebecca Musk at [reg@freese.com](mailto:reg@freese.com)

## WEAT/AWWA SUMMER MEETING – JULY 2012

On Saturday, July 28 the local chapters of WEAT and TAWWA held their annual summer meeting at Dave & Buster's. A record attendance of 75+ people, including a good mix of members and their children, had a rip-roarin' great time and enjoyed a catered dinner, drinks, lots of games, shuffle board, billiards, and much more. Numerous raffle prizes were won by attendees with \$440 in proceeds going to support Water For People. Thank you to our sponsors for making this event affordable and fun for all attendees: Bury+Partners, Freese and Nichols, Environmental Improvements, Pump Solutions, and Mary K. Sahs with Carls, McDonald & Dalrymple. We look forward to seeing everyone at next year's event!



## TEXAS WATER ENVIRONMENT HORIZON – NOVEMBER 2012



Get an outlook from Texas leaders and industry experts on timely regulatory and legislative water quality related issues. This event will take place on November 13<sup>th</sup> at the Long Center in Austin and it is presented by the Water Environment Association of Texas (WEAT) and Texas Association of Clean Water Agencies (TACWA).

## WITH SPECIAL THANKS TO OUR MEETING SPONSORS

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***These events cannot happen without your support! If your company is interested in sponsoring a section meeting please contact Jason Christensen at (512) 912-5109 or [jason.christensen@hdrinc.com](mailto:jason.christensen@hdrinc.com)***

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The Central Texas Section has begun including business card size advertisements in our newsletters. The cost is \$150 for 5 ads. If interested, please contact **Joe Hoepken** at [joe.hoepken@austintexas.gov](mailto:joe.hoepken@austintexas.gov) or **Tejashri Kyle** at [tejashrikyle@gmail.com](mailto:tejashrikyle@gmail.com)