

**REGISTRATION FORM**  
For multiple registrations, please copy this form

	Before 7/24/2013	After 7/24/2013		
<input type="checkbox"/> Member	\$185	\$210	<input type="checkbox"/> Exhibit - Registration	\$400
<input type="checkbox"/> Non-Member*	\$235	\$260	Exhibit include pipe and drape, one registration and one 6' table and two chairs (electricity separate charge). Need to submit exhibitor contract.	
<input type="checkbox"/> Government/City - Member	\$145	\$170		
<input type="checkbox"/> Government/City - Non-Member*	\$195	\$220		
<input type="checkbox"/> Student	\$30	\$30	<input type="checkbox"/> Exhibit - Additional Exhibitor	\$100
* includes WEAT Only membership		Total _____		Total _____

Member # \_\_\_\_\_ License or Operator # \_\_\_\_\_ **COURSE FEE INCLUDES:** continental breakfast, breaks, lunch, handouts and exhibits.

Name \_\_\_\_\_

Title \_\_\_\_\_

Agency or Company \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_

METHOD OF PAYMENT				
<input type="checkbox"/> Check	<input type="checkbox"/> Mastercard	<input type="checkbox"/> Visa	<input type="checkbox"/> Discover	<input type="checkbox"/> American Express

Credit Card # \_\_\_\_\_

Expiration Date \_\_\_\_\_

Card holder signature \_\_\_\_\_

SSeats are limited, please register as early as possible.  
SMake checks payable to "WEAT"

Send Registration Form with Payment to:  
**WATER ENVIRONMENT ASSOCIATION  
OF TEXAS**  
1825 Fort View Road, Suite 102  
Austin, TX 78704  
Phone (512) 693-0060 | Fax (512) 693-0062  
Email: julie@weat.org

**CANCELLATION POLICY:** Refunds will be given, minus \$5 handling fee, if registrant cancels in writing 10 days before program date.

Water Environment Association of TX  
1825 Fort View Road, Suite 102  
Austin, Texas 78704

## ***Biosolids and Odor and Corrosion Conference & Expo***



**Wednesday and Thursday  
July 31 – August 1**

**Embassy Suites  
1001 McCarty Lane  
San Marcos, TX 78666  
(512) 392-6450**

**Presented by**



**WEDNESDAY, July 31**

7:45 - 8:45 am Registration and Continental Breakfast

**JOINT BIOSOLIDS AND ODOR OPENING SESSION**

8:45 - 9:00 am **Welcome/Opening Comments/ Workshop Overview**  
*Jody Slagle, Austin Water Utility and Mark Perkins, P.E., Perkins Engineering*

9:00 - 9:30 am **Keynote Presentation - Biosolids 2013: Odors, Nuisance and Current Legal Challenges to Beneficial Use**  
*James Slaughter, Beveridge and Diamond*

9:30 -10:00 am **Keynote Presentation - The Future of Odor Nuisance**  
*Charles McGinley, P.E. St. Croix Sensory, Inc.*

10:00 -10:15 pm **Networking Break & Exhibits**

**TRACK #1 - Biosolids: Regulations and Beyond**

10:15 -10:45 am **Enabling The Future: Advancing Resource Recovery from Biosolids**  
*Lynne Moss, P.E. CDM Smith*

10:45 -11:15 am **Getting Ready for Phosphorus Limits**  
*John Zwermeman, Carollo Engineers, and Eva Gorgi, Dallas Water Utility*

11:15 -11:45 am **The Benefits of Biosolids Composting in Attaining 'Zero Waste' Goals**  
*Risa Weinberger, Weinberger and Associates*

11:45-1:30 pm **Lunch (Provided) Networking & Exhibits**

**TRACK #1 - Biosolids: Planning and Design Considerations**

1:30 - 2:00 pm **Defining the Benefits of Phosphorus Harvesting**  
*Cameron Clarke, CDM Smith*

2:00 - 2:30 pm **Retrofitting the Largest Digesters in Texas: Lessons Learned**  
*Zoltan Fekete, City of Lubbock, and Toshio Shimada, Carollo Engineers*

2:30 - 3:00 pm **Energy Conservation in Biosolids: The Austin Experience**  
*Fred Ramirez, Austin Water Utility, and Matt Berg, P.E., CH2M HILL*

3:00 -3:30 pm **Networking Break & Exhibits**

**TRACK #1: Biosolids: Operational Optimization**

3:30 -4:00 pm **Selecting the Lowest Cost Dewatering System for your WWTP**  
*Mike Jupe, City of Waco, Mandi Siebels, Carollo Engineers*

4:00 - 4:30 pm **The Quest for Energy Independence at Fort Worth's Village Creek WRF**  
*Buster Fichera, City of Fort Worth*

4:30 - 5:00 pm **Making Lemonade: An Operator Perspective on Integrating FOG into Digesters**  
*Mark Evers, Dallas Water Utilities, and Rudy Kilian, Carollo Engineers*

**AGENDA AND PROGRAM**

**WEDNESDAY, July 31**

**TRACK #2 - Odor and Corrosion**

10:00-10:15 pm **Networking Break & Exhibits**

10:15 -10:45 am **Urban Wastewater Treatment Plant Odor Control Design: The Mexico City Experience**  
*Brian Huang, V&A Consulting Engineers, Inc. Charlotte G. Smith, P.E., Perkins Engineering*

10:45 -11:15 am **Development of a Public Outreach and Complaint Management Program**  
*John Bennett, Trinity River Authority, and Alan E. Davis, P.E., Alan Plummer Associates, Inc.*

11:15 - 11:45 am **Addressing Odors Caused by a Change in Potable Water Source for a North Harris County Utility**  
*David Agee, Independent Consultant, and Tobin Synatschk, P.E. Jones & Carter*

11:45 am -1:30 pm **Lunch (Provided)**

**TRACK #2 - Odor and Corrosion: Planning and Design Considerations**

1:30 - 2:00 pm **Performance Specifications for Odor Control Systems**  
*Charles M. McGinley, P.E., and Michael A. McGinley, P.E. St. Croix Sensory, Inc.*

2:00 - 3:00 pm **Deterioration of Wastewater Treatment and Collection System Assets: Knowing Where and How to Look**  
*Doug Sherman and Robert Maley, Corrosion Probe, Inc.*

**TRACK #2—Odor and Corrosion: Collection System Issues**

3:30 - 4:00 pm **Implementing Vapor Phase Odor Control on Large-Diameter Interceptor Systems**  
*Christopher Hunniford, P.E. and James Joyce, P.E. V&A Consulting Engineers, Inc. Soo Koon Soon, P.E. and Ayman Benyamin, P.E., City of Austin*

4:00 - 4:30 pm **Control of Odor, Noise, and Visual Nuisances During Rehabilitation of a Severely Corroded 96-inch Diameter Interceptor across a Park and Golf Course**  
*Wayne Hunter, P.E., RPS Espey, and W. Bart Hines, P.E. Trinity River Authority*

4:30 - 5:00 pm **Sewer Ventilation - State of the Science and Latest Developments**  
*Chris Quigley, P.E. and Mathew Ward, P.E. CH2M HILL.*

**THURSDAY, AUGUST 1**

8:00-8:30 am Registration and Continental Breakfast

**TRACK #1 - Biosolids: Thermal Hydrolysis**

8:30 - 9:00 am **Thermal Hydrolysis: Squeezing the Most from Your Anaerobic Digesters**  
*Matt Bond, P.E. Black and Veatch*

9:00 - 9:30 am **Implementing Thermal Hydrolysis: Design/Build Lessons Learned at the Blue Plains WWTP**  
*Peter Loomis, CDM Smith*

9:30 -10:00 am **Continuous Thermal Hydrolysis: The Path to Energy Neutrality**  
*Nick Bonkoski, I Krüger*

**TRACK #2 - Odor and Corrosion: Technology Applications**

8:30 - 9:00 am **Primary Clarifier Odor Control - Replacing Nitrates with DO**  
*Kevin Jacobs, P.E. ECO Oxygen Technologies*

9:00 - 9:30 am **Competing Odor Sources - Figure It Out**  
*Sharon Paterson, I Krüger, Inc.*

9:30 - 10:00 am **Precast Polymer Concrete provides "BIG" Solution for the City of Austin's "BIG" Project**  
*Eric Dawson, P.E. Parsons, Ayman Benyamin, P.E. City of Austin, and Eric Davidson, P.E., U.S. Composite Pipe, Inc.*

10:00 - 10:30 am **Networking Break & Exhibits**

**COMBINED TRACKS**

10:30 -11:00 am **Contain, Convey, Treat: Improving Odor Control and Reducing Corrosion at the SEWRP**  
*Jason Anderson, Carollo Engineers, and John Turpin, City of Lubbock*

11:00 -11:30 am **Ventilation and Odor Control in Dewatering Facilities**  
*James McMillen, P.E., Perkins Engineering Consultants, Inc., and Tim Gallia, P.E., AACE, Inc.*

11:30 am -12 Noon **Impacts of the Use of Magnesia Versus Iron on Mesophilic Anaerobic Digestion and Odors in Wastewater**  
*Matthew P. Madolora, Premier Magnesia, Inc.*



**QUESTIONS**  
 Call toll free 1-866-406-WEAT (9328)

**ABOUT THE WORKSHOP**

In wastewater treatment, biosolids and odors present some of our biggest challenges. Addressing these issues has become an integral part of WEAT's technical outreach and education. Centrally located in San Marcos, this conference and expo offers a concise, focused program with parallel (odor and biosolids) technical tracks for a full day on Wednesday, then a half-day of papers addressing combined odor and biosolids issues on Thursday. Experts in these fields from Texas and beyond will be present for technical presentations and as exhibitors. Attendees include operators, utility managers, consultants, equipment vendors, and regulators. Do not miss this opportunity to network and learn from some of the state's most knowledgeable in the latest techniques and technology in biosolids and odor and corrosion.

**OPERATOR CERTIFICATION**

8.5 Certification hours have been approved through the TCEQ.

**Sponsors**



**WATER'S WORTH IT®**