Texas Section in 2013-2014 marked the first time that all three officer positions were held by women, from left Jennifer Elms, Vice Chair; Christianne Castleberry, Chair; and Alissa Lockett, Chair-Elect.

Celebrating Texas Women in the Water Industry
Improving public water quality in Texas, one river at a time.

As Texas grows, so does its demand for more clean water—and at lower costs. GEO Specialty Chemicals, Inc. announces the construction of a new water treatment chemical manufacturing facility to be built on its Deer Park, TX property by year’s end. The facility will produce new, highly active polyaluminum chloride (PAC) products to serve Texas municipalities in need of better, cost-effective solutions in clean water practices. Call us to learn more: 800-453-2586.
The annual Texas Water conference is heading to the Hilton Anatole Hotel in Dallas April 14–17 (please note that the conference runs Monday through Thursday this year).

Dedicated volunteers from the Texas Section of the American Water Works Association and the Water Environment Association of Texas have worked countless hours to make TW14, the groups’ annual joint conference, a seamless event. TW14 will bring home the knowledge that will advance the water and wastewater industry.

From the sold-out Exhibit Hall featuring more than 450 booths, to the technical sessions, jam-packed with leading-edge information, you’ll join 2,500 representatives of the Texas water/wastewater industry who have concluded... if you’re only going to attend one water conference this year, Texas Water 2014™ is the place to be.

And don’t forget to check out the Texas Water conference app! With up-to-date conference information at your fingertips, it’s a must-have for the conference. See Page 27 for details on how to download the app and use it to supplement your conference experience.

Here are some conference highlights:

**MONDAY, APRIL 14**
The day begins at 7 a.m. as players gather at the Stevens Park Golf Course for the annual Texas Water golf tournament. The tournament raises money for scholarships for TAWWA and WEAT, the two organizations that put on Texas Water conferences. At 2 p.m., Texas Section’s Board of Trustees holds its meeting in the Obelisk meeting room.

After exhibitors put their booths in order, the Texas Water Exhibit Hall opens at 5 p.m. for a Meet-and-Greet reception for all attendees.

Texas Water 2014™ has officially begun.

**TUESDAY, APRIL 15**
The morning kicks off with the Dodson’s Drive Fun Run, which benefits the Dodson’s Drive and raises funds to support TAWWA/WEAT Young Professionals’ activities around Texas. The run starts at 6:30 a.m. in the lobby of the Hilton Anatole Hotel, by the Jade Entrance.

At 9 a.m., Carlos Rubinstein, chairman of the Texas Water Development Board, addresses the Opening Session. Before becoming chairman, Rubinstein served as commissioner of the Texas Commission on Environmental Quality from 2009-2013.

The Conference Luncheon at 11:30 a.m. spotlights TAWWA members who have made special contributions. Technical sessions

CONTINUED PAGE 27 conference highlights

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**TAWWA Committee Meetings • Hilton Anatole Hotel**

**TUESDAY**

- TAWWA Business Meeting: 10-10:30 am, Stemmons
- Water Conservation/Reuse Division: 1:30-3 pm, Edelweiss
- Water Quality and Technology Division: 3-4 pm, Edelweiss

**WEDNESDAY**

- Water Utility Council: 1:30-2:30 pm, Dardanelles
- Rates and Charges: 1:45-2:15 pm, Steuben
- Education Division: 2-3:30 pm, Edelweiss
- Diversity Committee: 4-5 pm, Edelweiss
- Texas WateReuse Association Board: 5-6 pm, Rosetta
March is Women’s History Month and AWWA is celebrating the contributions made by women in the drinking water industry. While AWWA was founded in 1881 by 22 men, its true measure of success has been expanding and growing a diverse membership to recognize all of those who have contributed to the success of our industry. This success, in part, includes growing the number of women in our workforce. As we look at March in this regard, it is important to recognize the efforts of key women in our industry that have led to the success of continued diversification and leadership opportunities.

The Texas Section has been fortunate to have so many recognized women whose devotion to the industry and great leadership within TAWWA have allowed Texas to continue to successfully foster women in the drinking water workforce and Association. These amazing ladies include, but are not limited to, Katie McCain, our first female president of AWWA, Glenda Dunn, Jeannie Wiggington, Kay Kutchins, Mari-Garza Bird, Julie Hunt, Shay Roalson and up-and-coming Chair-Elect Alissa Lockett. Many of these women have provided guidance and friendship for me, personally, as I served in leadership roles and as I conclude my tenure and honor of serving as your Chair for this past year.

And let’s not forget all the men who have supported our Texas women in water, who recognize potential talent regardless of gender. It’s a certainty that our Texas woman leaders have a list of men to name, men like Ron Tamada, chair of our TAWWA Diversity Committee, who works hard to foster women and diversity into the workforce and recently led the Committee to produce an insightful interview video titled, “Women in Water Leadership.”

As we prepare for our annual conference, I encourage you to participate in as many events as possible. Not only will there be numerous technical presentations either authored or co-authored by our female peers in the industry, but on Wednesday, April 16, Peggy Glass, Ph.D., along with Alan Plummer, P.E., will speak to the value of mentoring.
Lagoons using Raptors require 33% less energy* control/eliminate deposition and foam

Before

After

Contact us to hear about other industry leading ROI technologies.

*When compared with high-speed surface aerators

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The Yuck Factor

BY MIKE HOWE
tawwa executive director

One of the first assignments I had when I went to work for the Austin Water Utility was to travel out to San Diego to “shadow” some of the San Diego water utility’s public relations staff as they worked on a project. It was called “Toilet to Tap.”

This was in 1989, and they were trying to convince their customers that their solution to California’s water woes was to use the best technology to treat wastewater, store the treated wastewater in a new lake and use a new water treatment plant to turn wastewater into tap water.

It wasn’t quite direct potable reuse as they were going to store the water for a while before they started treating it for drinking water. In the risk communications circle that I was working in, we referred to this as giving it back to nature for a while because we all knew that “Mother Nature” would work wonders on the water and who could argue against nature?

The consulting firm they hired was (and still is) one of the best in the country in managing risk communication, or any type of utility communication. They knew from the beginning that they would have to be up front with their customers. They couldn’t hide the fact they were going to use wastewater for drinking water as they needed voter approval for the idea and the funds to build the two new plants. So, they got really creative with their message and even had a great cartoon with a dog drinking out of a toilet and the family lined up behind the dog. I may still have a copy of this somewhere but some of you may have seen it.

This was one of the best campaigns ever and was heralded for its creativity. This was going to be a tough sell and they knew it.

Well, the long and short of it is the San Diego City Council killed the idea. Part of the reason, I’m sure, was money. But, we all know at least one of the other reasons — The Yuck Factor. It seems that the folks in San Diego were struggling with the idea of drinking wastewater. I can appreciate the thought. I have said before in presentations from the public’s point of view, sometime after the age of two we learned to flush everything away and we never wanted to see it again.

CONTINUED PAGE 25 | executive director report
From Source to Tap

Managing supply, treatment, and distribution can present a steady stream of complex challenges. Since 1951, Hazen and Sawyer has been helping water providers protect public health and the environment.

Precise supply/demand forecasting and hydraulic modeling enable us to test different alternatives that make the best use of the existing system and minimize the cost of improvements.

www.hazenandsawyer.com
March 1—31, 2014

Women’s HISTORY Month

Spouse. Colleague. Leader. AWWA and our members celebrate Women’s History Month. Women’s History Month recognizes the contributions of women who have broken the precast mold of history within our industry and paved the way for women to occupy every possible space within the world of water.

Join us in paying tribute to the many contributions that women have made to our industry, country, and world.
Kay Kutchins, the Texan who tore down more barriers than anyone for women in the water industry, will be the first woman inducted into AWWA’s Water Hall of Fame at the Annual Conference and Exhibition in Boston in June.

That adds another “first” for Kutchins. The San Antonio resident has an impressive handful already. She was

- the first woman to serve as chair of the Texas Section in 1987;
- the first woman to receive the Fuller Award from the Section;
- the second recipient of Texas Section’s W. T. “Doc” Ballard award for service to TAWWA; and
- the first woman to be elected Section Director, representing Texas on the AWWA Board.

“When it came time to elect a new director,” Kutchins recalled in an email, “a good friend and utility manager told me that he was very proud of my efforts on behalf of the Section, but that he was going to nominate another person because ‘we need a man and an engineer,’ to represent Texas interests.” When the election ballots were counted, Kutchins was the new Texas Section director.

“When AWWA moved to the vice presidents model, I was privileged to be elected twice, but when it came time to seek the presidency, the time and the gender were out of sync with the organization. But the seed had been planted and I’d submit that visiting over 20 AWWA Sections during my years as vice president not only built friendships across the Association, but also provided an entry for women in other Sections.”

Kutchins noted that, over the years, more women from Texas Section have taken leadership at the national level. Katie McCain of Dallas, Jeannie Wigginton of Austin and Glenda Dunn of Waco have been directors on the AWWA Board, with Jeannie and Glenda serving as vice presidents. Mari Garza-Bird and Alissa Lockhart, both from San Antonio, were elected as at-large directors and Garza-Bird was elected vice president.

Shattering the AWWA presidency ceiling would fall to Kutchins’ close friend, ally and fellow Texan Katie McCain, who became AWWA’s first — and up to now, only — woman AWWA president in 2004.

“There was one thread that tied all of this together... Texas Section AWWA was going to grow and we were going to be inclusive in our membership — small systems, large systems, men, women, technical experts, customer service professionals all were critical to service our publics and providing safe and sufficient water and environmental excellence.

CONTINUED PAGE 20 | women of water
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Recognizing the Contributions of Women in Water

During Women’s History Month (March), we celebrate the contributions made and commemorate the struggles of women in our country’s history and our own water industry. Their distinctive history has been integrated into the story of the water profession. Great strides toward equality have been made and their influence is felt across the profession. Women proudly serve within every aspect of work.

The American Water Works Association was founded in 1881 by a group of 22 men, who met in St. Louis, MO, “for the exchange of information pertaining to the management of water-works, for the mutual advancement of consumers and water companies, and for the purpose of securing economy and uniformity in the operations of water-works.”

At work on her Bachelor of Science, nearly a decade before AWWA’s founding, Ellen Swallow Richards would become one of this country’s pre-eminent water scientists. Her enrollment in what is now the Massachusetts Institute of Technology (MIT) in 1870 was not without angst. The records of the time stated that her entrance, “did not establish a precedent for the general admission of females.” In 1884, Swallow Richards was appointed as an instructor in Sanitary Chemistry at MIT, a position which she filled until the

CONTINUED PAGE 26 | women’s history month
AWWA Recognizes Texas Section Members

The AWWA Board of Directors recently announced several awards for members of the Texas Section. The recipients will be recognized at the 2014 AWWA Annual Conference in Boston, MA, as well as during the Conference Luncheon at Texas Water 2014SM in Dallas.

Water Industry Hall of Fame
Kay Kutchins
Kay Kutchins’ enduring contribution to the water industry is her commitment to the industry and her excellence in developing and delivering quality training! Many communities are now being better served because Kay Kutchins touched the lives of their leaders. Ms. Kutchins was the chief architect and facilitator for the highly successful AWWA Texas Section Management Institute that is still delivering both basic and advanced training to members in Texas and AWWA’s Region IV. Her legacy is the solid leadership evident throughout the industry. She is beloved by all who know her, especially those whose lives she has impacted.

Distinguished Public Service Award
Edmund (Ed) Archuleta
For more than 25 years, Mr. Archuleta has been recognized as a water community leader. Through a cohesive network of organizations, he made a positive impact on the El Paso region by engaging in value-driven...
New Phase II MS4 Permit is Issued by the TCEQ

The new TPDES general permit for Phase II (Small) Municipal Separate Storm Sewer Systems – TXR040000 was issued by the Texas Commission on Environmental Quality with an effective date of Dec. 13, 2013. Operators of small MS4s must apply to the TCEQ for authorization under the new permit by June 11, 2014.

Municipalities and non-traditional entities such as counties, universities, and special districts may be regulated MS4 operators if the roads, streets, gutters, ditches, channels, drains, or other stormwater conveyances are located within an urbanized area. Maps identifying the urbanized areas are listed by city and state at the following website: http://www2.census.gov/geo/maps/dc10map/UAUC_RefMap/ua/.

To obtain permit coverage, submit a new Notice of Intent, a $100 application fee, and a Stormwater Management Program before June 11, 2014. Existing authorizations will remain active until the new applications are approved.

MS4s serving a population of less than 1,000 within a UA may qualify for a waiver. Those applications must also be submitted before June 11, 2014. Provisional coverage begins 30 days after submittal. All authorizations continue until the expiration date of the general permit or until the authorization is terminated by the MS4 operator.

The reissued general permit, factsheet, Response to CONTINUED PAGE 34 | ms4 permit
Gov. Perry Appoints Jackson to TWDB

Gov. Rick Perry has appointed Kathleen Thea Jackson of Beaumont to the Texas Water Development Board for a term effective March 18, 2014 and to expire Feb. 1, 2015. The board provides leadership, planning, financial and technical assistance for the responsible development of water for the State of Texas.

Jackson is a registered professional engineer and former public affairs manager for Exxon Mobil Corp. She is a board member of the Texas Water Conservation Association, Jason Alliance of Southeast Texas, Young Audiences of Southeast Texas Inc., and the Julie Rogers “Gift of Life” Program. She is a member of the Beaumont Chamber of Commerce Education Committee and Minority Business Development Partnership, Sabine and Neches Rivers Bay and Estuary Environmental Flows Assessment Program Stakeholders Committee, Beaumont Independent School District Educational Improvement and Partnership Advisory committees, Rotary Club of Beaumont, and Lower Neches Basin Water Quality Assessment Program Steering Committee. She is a member and past chair of the Southeast Texas Industry Public Relations Association, a past member of the Lower Neches Valley Authority Board of Directors and Southeast Texas Workforce Development Board, and past chair of the Southeast Texas section of the American Institute of Chemical Engineers and Keep Beaumont Beautiful Commission. She is also a board member and past president of the Lamar Institute of Technology Foundation, a sustaining member of the Junior League of Beaumont, past president of the American Cancer Society of North Jefferson County, and a past board member of Junior Achievement of the Golden Triangle.

Jackson received a bachelor’s degree from North Carolina State University.
A
n increase in pumping water year-round for the
next 30 years may cause groundwater levels to
decrease by as much as 32 feet in parts of the
Edwards-Trinity Aquifer in west Texas, according to a
new study by the U.S. Geological Survey.

The Edwards-Trinity Aquifer in west Texas is a vital
groundwater resource for agricultural, industrial, and
public supply uses in the Pecos County region.
Resource managers would like to understand the
future availability of water in the Edwards-Trinity
Aquifer and the effects of pumping or redistribution
of groundwater resources over time.

The USGS developed a groundwater-flow model of
the Edwards-Trinity and related aquifers in parts of
Brewster, Jeff Davis, Pecos, and Reeves Counties. The
model was used to simulate groundwater levels
resulting from prolonged pumping to evaluate
sustainability of current and projected water-use
demands. Scientists analyzed three scenarios to
simulate a 30-year period from 2010 to 2040. The full
report is available online.

“This USGS Edwards-Trinity model will help us to
effectively manage and better preserve our valuable
water supplies, and will become an invaluable tool to
all of the citizens of Pecos County,” said Joe Shuster,
Pecos County Judge. “This study has also opened up

CONTINUED PAGE 28 | edwards-trinity aquifer
TCEQ Hosts Environmental Trade Fair

The TCEQ’s Environmental Trade Fair and Conference will be held May 6-7 at the Austin Convention Center. Attendees at the Environmental Trade Fair and Conference have access to:

- 21 educational tracks,
- in-depth seminars,
- more than 400 environmental related exhibits, and
- up to 10 hours of Continuing Education credits for professional engineers, MSW technicians and supervisors, wastewater operators, water operators, LPST corrective action project managers, and professional and registered sanitarians.

Registration for the two-day event is $239. One-day registration is no longer available.

For more information and a registration form on the Trade Fair, visit the TCEQ website, http://www.tceq.texas.gov/p2/events/etfc/etf.html.

One feature of the event is the Texas Environmental Excellence Awards Banquet at 6:30 p.m. Wednesday, May 7, at the Austin Convention Center. A reception precedes the banquet at 5:30 p.m. Tickets are available for $35 per person or a reserved table of eight for $280. For more information on the awards, visit www.teea.org.
TW14 Poster Presentations

Texas Water 2014™ will once again give attendees an expanded opportunity to learn with the presentation of posters. The posters give authors the opportunity to display their research topics and to share the information they discovered.

The posters will be displayed in the Trinity Art Corridor and Rotunda area of the Hilton Anatole Hotel from Tuesday morning through Wednesday afternoon.

There will also be a new aspect to the posters this year: “Featured Poster” Presentations. Take the opportunity to stop by the Rotunda and join an informal, interactive, “Donahue-style” discussion on some of the most interesting and challenging projects in our industry. These presentations will take place on Tuesday and Wednesday, April 14 and 15, from 10-11 am and 3-4 pm.
## TENTATIVE CONFERENCE SCHEDULE

**NOTE:** All events are at the Hilton Anatole Hotel, 2201 N Stemmons Fwy, Dallas, unless otherwise noted.
Schedule is subject to change. For the most up-to-date listing, go to www.txwater.org.

### MONDAY, APRIL 14

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 am</td>
<td>Golf Tournament • Stevens Park Golf Course</td>
</tr>
<tr>
<td>8:00 am</td>
<td>Environmental Event</td>
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<tr>
<td>8:00 am</td>
<td>Exhibitor Move-in • Exhibit Hall</td>
</tr>
<tr>
<td>2:00 pm</td>
<td>TAWWA Board Meeting • Obelisk</td>
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<tr>
<td>2:00 pm</td>
<td>WEAT Board Meeting • Fleur de Lis</td>
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<tr>
<td>4:30 pm</td>
<td>Registration • Trinity Pre-Function Area</td>
</tr>
<tr>
<td>5:00 pm</td>
<td>Meet &amp; Greet • Exhibit Hall</td>
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</tbody>
</table>

### TUESDAY, APRIL 15

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>6:30 am</td>
<td>TW Dodson’s Drive Fun Run • Hotel Lobby</td>
</tr>
<tr>
<td>8:00 am</td>
<td>Registration • Trinity Pre-Function Area</td>
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<tr>
<td>8:00 am</td>
<td>Speaker Ready Room • Inverness</td>
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<tr>
<td>8:30 am</td>
<td>PREREГISTRATION REQUIRED</td>
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<tr>
<td>9:00 am</td>
<td>Opening Session • Stemmons Ballroom</td>
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<tr>
<td>9:30 am</td>
<td>Atrium Mez</td>
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<tr>
<td>10:00 am</td>
<td>WEAT Student Design Competition • Atrium Mez</td>
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<tr>
<td>10:00 am</td>
<td>TAWWA Business Meeting • Stemmons Ballroom</td>
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<tr>
<td>10:00 am</td>
<td>Beverange Break • Exhibit Hall</td>
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<tr>
<td>10:00 am</td>
<td>WEAT Ops Challenge Pre-Meeting • Verandah Shelbourne</td>
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<tr>
<td>10:00 am</td>
<td>Exhibits Open • Exhibit Hall</td>
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<tr>
<td>10:00 am</td>
<td>Water For People Silent Auction • Trinity Pre-Function Area</td>
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<tr>
<td>11:00 am</td>
<td>WEAT Process Control Event • Verandah Shelbourne</td>
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<tr>
<td>11:30 am</td>
<td>Conference Luncheon • Ballroom</td>
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<tr>
<td>1:00 pm</td>
<td>WEAT Laboratory Event • Exhibit Hall</td>
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<tr>
<td>1:00 pm</td>
<td>Meter Madness Pre-Competition • Exhibit Hall</td>
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<td>1:00 pm</td>
<td>Meter Madness (Jr. Meter Madness 1 pm) • Exhibit Hall</td>
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<tr>
<td>1:30 pm</td>
<td>Technical Sessions • Atrium Mez</td>
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<tr>
<td>1:30 pm</td>
<td>Young Professionals Session • Atrium Mez</td>
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<tr>
<td>3:00 pm</td>
<td>Networking Break • Exhibit Hall</td>
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<tr>
<td>3:00 pm</td>
<td>Door Prize Drawings • Exhibit Hall</td>
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<tr>
<td>3:00 pm</td>
<td>Technical Sessions • Atrium Mez</td>
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<tr>
<td>4:00 pm</td>
<td>WEAT Ops Exhibition Event</td>
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<tr>
<td>5:00 pm</td>
<td>Exhibit Hall Closes For Day</td>
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<tr>
<td>5:00 pm</td>
<td>Young Professionals &amp; Student Reception Mentoring Program Networking Event</td>
</tr>
<tr>
<td>8:30 am</td>
<td>Guest Program • Hotel</td>
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### WEDNESDAY, APRIL 16

<table>
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<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>7:00 am–5:00 pm</td>
<td>Registration • Trinity Pre-Function Area</td>
</tr>
<tr>
<td>7:30 am–9:30 am</td>
<td>Awards Breakfast • Ballroom</td>
</tr>
<tr>
<td>8:00 am–10:00 am</td>
<td>Technical Sessions • Atrium Mez</td>
</tr>
<tr>
<td>8:00 am–10:00 am</td>
<td>Facility Tours • Depart from Hotel</td>
</tr>
<tr>
<td>8:30 am–10:00 am</td>
<td>Networking Break</td>
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<tr>
<td>8:30 am–10:00 am</td>
<td>Technical Sessions • Atrium Mez</td>
</tr>
<tr>
<td>10:30 am–10:30 am</td>
<td>Conference Adjourns</td>
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**Texas Water 2014 Registration**

**April 14-17, 2014 • Dallas, Texas**

**Early Registration Deadline:** March 21, 2014

*Payment Must Accompany this Form or Registration Cannot be Processed*

**Register Online:** www.txwater.org. **Please Print or Type**

<table>
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<th>FIRST NAME</th>
<th>LAST NAME</th>
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<tr>
<td>COMPANY</td>
<td>TITLE</td>
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**Name for Badge:**

**Address**

**City/State/Zip**

**Phone**

**Fax**

**Email (Required for Processing)**

<table>
<thead>
<tr>
<th>Tour 1: Dallas Water Utilities Southside Treatment Plant</th>
<th>Tour 2: Dallas Bachman Water Treatment Plant</th>
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<tbody>
<tr>
<td><strong>Quantity</strong></td>
<td><strong>Quantity</strong></td>
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<td>_____</td>
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**Thursday Facility Tours**

**Extra Ticket**

- Conference Luncheon - TUES.
- Awards Breakfast - WED.
- I plan to attend the Women of Water Luncheon (Box lunch ticket required; included in Full Registration or Wednesday Only. Or purchase ticket below.)
- I plan to participate in the Dodson Drive Fun Run 5K (Tues., April 15, 7 am)
- Box Lunch - WED.
- TW14 Wednesday Night Event
- Gloyna Breakfast (Thursday)
- Donation “Water for People” - Optional

**Total Payment (add right column)**

**The Easiest Way to Register**

**Is Online:** www.txwater.org

**Payment Method:**

- Check Payable to Texas Water
- Bill My: AMEX  VISA  MasterCard  Discover

**Credit Card Billing Address**

**Card**

- AMEX: Four-digit number on the right front above imprinted card number.
- (Visa/MC/Discover: Last three digits in the signature panel on back of card; Security Code)
- (Put “Same” if same as above; necessary to process)

**For more information, contact:**

Texas Water
512-251-8101
Fax: 512-251-8152
texwater@texas.net

Register online at www.txwater.org or mail form with payment to:

Texas Water 2014 Registration
PO Box 676
Pflugerville, TX 78691
or fax to 512-251-8152

No refunds will be granted after March 21, 2014. A $60 cancellation fee will be assessed to all refund requests made prior to March 21, 2014. Substitutions allowed. Substitutions may incur a $25 processing fee. All refunds must be requested in writing. Fax refund requests to Texas Water at 512-251-8152.

I have special dietary needs:

- Vegetarian
- Other

Early registration deadline March 21, 2014. After April 7, registration only available on-site.
“Simply stated, we’ve all worked our tails off in the process of being the model Section that we are!” Kutchins exclaimed.

Kutchins was employed as Director of Training at San Antonio’s City Water Board in 1973 at a time when there were very few women managers — and she received an AWWA application from the utility’s general manager shortly after beginning the job.

“At that time most women were customer service representatives or staff support personnel. In 1974, when I began to get active in AWWA and the then Texas Section and Southwest Section of AWWA, former TAWWA Secretary-Treasurer Charlotte Voelker, Erma Winkler from Little Rock Water Works, who was the assistant secretary for the Southwest Section, and me were the only female faces in meetings,” she wrote.

“But the times changed and more opportunities opened up for Texas Women, especially after Texas and Southwest members agreed to form separate sections.”

Kutchins also worked hard on developing guidance for utility managers. She authored AWWA’s M5 Manual “Water Utility Management” and was a lead instructor for AWWA’s Water Utility Management Institutes in Texas from their inception in 1981 until 2007.

“The folks who attended those Institutes have grown up, grown out and are growing the next generation of water people. THAT is the best achievement of all,” she wrote.

Even before the honor she’ll receive at ACE, Kutchins received an AWWA Honorary Member Award and Outstanding Service to the Water Industry Award. She also served on AWWA’s Public Affairs and Administrative and Policy Councils and chaired the AWWA Management Development Committee.

And, although officially retired, Kutchins continues her involvement in the water industry, currently serving a second year as chair of the San Antonio Water System’s Citizens Advisory Panel on Water Resources.

KATIE MCCAIN
Wachs Water Services

• Texas Section Chair 1998-1999
• AWWA Director, 1999-2002
• AWWA Vice President, 2000-2002
• AWWA Incoming President, 2003
• AWWA First Woman President, 2004-2005

What was the biggest obstacle you had to overcome to succeed in the water industry?
For me, probably the biggest obstacle was not being an engineer. The career path for an engineer is more defined and offers many opportunities. Once I became committed to the water industry and its mission, I had to find another way to move my career forward toward my goals.

What was the biggest source of support you received to become a success?
I have to give that credit to AWWA. I got involved in AWWA while at Dallas Water Utilities because it allowed me to meet and work with many interesting and committed water industry professionals. I thoroughly enjoyed the various areas where I volunteered;
membership, pipe-tapping, section leadership and association leadership. Those activities were rewarding in themselves but the result was a desire to give more and make more of a difference. AWWA gets credit for every job I have had since leaving DWU. In addition to the skills and experience I gained during my 28 1/2 years at DWU, all later positions were made possible through the network of water professionals I developed as an AWWA volunteer. And, my success in those jobs as well as in AWWA is due to the support of my AWWA friends and associates.

What advice would you give a young woman just starting out in the water industry?
Without a doubt, I would advise every young professional just starting out in the water industry to get involved in AWWA. The advice I was given still holds, “find yourself a job in the Section” (or now that we have Chapters, start there). Work on something that interests you, get acquainted and support others in their efforts. You will learn from experienced professionals, develop your own network, help others and get help from them in return. AWWA provides a safe environment to practice your skills, to learn and to contribute. People skills as well as technical skills will help you succeed both in AWWA and in your professional life.

What was the biggest obstacle you had to overcome to succeed in the water industry?
My career is a long one, and I do not believe that the obstacles I dealt with are so prevalent today. More than 20 years ago, I was the public works director for a small community. I was challenged not by the people that I worked with or for — both were supportive, or my staff members who were loyal; however, I had to deal with perception issues from external sources. This was exemplified when a council member made the comment in a public meeting that I was not right for the job because it was a “man’s” position. He was a nice gentleman but from a generation that thought women worked in the office and men worked in the field and never the twain should meet.

Later that year, at a TML meeting, I was introduced to a female assistant city manager from a large city. Very condescendingly she said, “Well, aren’t you just the prettiest little public works director I’ve ever met.” It was not a compliment, and it points to the fact that sometimes women can be our own worst enemies. Thankfully I’ve never experienced that from the women in the water industry. We’ve always supported each other and celebrated the successes of all.
CONTINUED FROM PAGE 21 | women of water

Recently I was appointed Interim Director for our city, and I’ve experienced none of the perception problems that I had to overcome so long ago.

What was the biggest source of support you received to become a success?
There were many sources of support. I found great leaders within the organization where I work and in the water industry as a whole. AWWA members provided mentorship. But probably the most important area of support was from my family. My husband was my greatest asset especially when I traveled as visiting officer for AWWA. He not only understood and supported my time commitments, but he participated. He never met a stranger and connected with everyone. It would have been difficult — if not impossible — without his support and that of my children.

What advice would you give a young woman just starting out in the water industry?
I hesitate to give advice to any of the strong young women that have entered our work force. However, I tell my daughters to be themselves — not an imposter. You were hired because you are smart and capable. We all feel self-doubt, so keep telling yourself that you know what you are doing or can learn something new if needed. Have confidence.

Mari Garza-Bird
CDM
• Section Chair, 2009-2010
• AWWA Vice President At Large, 2003-2006

What was the biggest obstacle you had to overcome to succeed in the water industry?
The Water industry has found its strength in using sound science in providing safe water for all. Part of that process involves following a very set process to ensure the best science applications are always incorporated in treatment technologies. Sometimes this approach can spill over in how we relate to our customers and can be viewed as rigid. In truth we have a disciplined culture but sometimes this discipline can lead to minimizing the value of people who are different than ourselves and thus we do not always arrive at the solutions our customers are seeking. Getting everybody to value diversity of thought is something we should all strive for.

What was the biggest source of support you received to become a success?
There are so many people in my life that have supported me. In the end it has always been individuals who took the time to mentor and educate me. We all get so busy in our day-to-day lives that we often forget to teach others how to be successful. So we must all make time each day to graciously mentor others. I would be remiss if I did not give a shout out to Katie McCain, Mike Howe and Cliff Avery for all of their support for more than 15 years!
What advice would you give a young woman just starting out in the water industry?
Be yourself! Sometimes being yourself is not so easy. But if we all keep trying to be like the majority of the people around us then how can you differentiate yourself? Of course this means you have to figure out what it is that drives you or what you feel passionate about. If you focus on being yourself and your passions it will only lead you to find a place/career that values what you value. When you find a career that values what matters most to you — then you will only succeed. This can be hard because it may result in some false starts, but do not give up. Keep looking!

JEANNIE WIGINTON
CDM
• Section Chair 2001-2002
• AWWA Director, 2002-2005

What was the biggest obstacle you had to overcome to succeed in the water industry?
My career began in the City of Austin laboratory-operations side of the industry. I did not feel that there were obstacles to succeeding in that area. My approach was to jump in, get to know people in the plants and distribution system and do a good job.

What was the biggest source of support you received to become a success?
Several strong mentors opened opportunities for my career. Randy Goss as the Director of Austin Water Utility was very approving and encouraging of my involvement in representing the City of Austin water issues on the Safe Drinking Water Act Regulatory Negotiations in Washington D.C. during the early 90s. Nancy Barnes was a key influence in providing me the opportunity to successfully work in the water industry in Egypt for several years and all the adventure that included. I would also like to acknowledge the impact that Katie McCain had on my involvement in TAWWA and AWWA; she was the catalyst to what has been a great adventure. In the consulting world, my key mentors and cohorts have included Randy Rogers and Steve Lynk. Each of the people mentioned, along with many other folks, have supported me and influenced the successful decisions I have made in my career.

AWWA Executive Committee Members
Kay Kutchins Vice President, 1994-1996
Katie McCain Vice President, 2000-2002
Katie McCain Incoming, 2003
Katie McCain President-Elect, 2003-2004
Mari Garza-Bird Vice President, 2003-2006
Katie McCain President, 2004-2005
Glenda Dunn Vice President, 2006-2008

CONTINUED PAGE 24 | women of water
CONTINUED FROM PAGE 23 | women of water

What advice would you give a young woman just starting out in the water industry?
Do a good job at whatever your chosen career may be. Join and become involved in both the state and national AWWA and WEF! Network...Network...Network...and enjoy!

George Warren Fuller Award Winners

Kay Kutchins 1989
Katie McCain 1995
Carole Baker 2000
Jeannie Wiginton 2004
Glenda Dunn 2006
Mary Gugliuzza 2011

SHAY ROALSON
HDR

• Section Chair 2007-2008 (First YP to Chair a Section)
• First winner of Section’s Maverick Award, recognizing outstanding Young Professionals

What was the biggest obstacle you had to overcome to succeed in the water industry?
When I look back, I don’t see a lot of obstacles. Yes, I’ve run into my share of people who made assumptions about my capabilities based on my gender or age, but never within the organizations for which I worked. From the people who mattered in my career, I’ve had a lot of support and interesting opportunities. Most of the obstacles I’ve faced have been in my own readiness for those opportunities — first it was building my technical skills, then it was developing good project management habits. And of course there’s the constant challenge of juggling priorities, communicating well with coworkers and clients, and leaving work on time every day to get home to my family.

What was the biggest source of support you received to become a success?
I’ve had the good fortune of many wonderful, supportive coworkers and managers. I’m tempted to recite a laundry list of all the people I consider mentors, but it’s such a long list! The main trait that they shared was that they let me take on as much responsibility as I wanted, but stayed engaged enough with what I was doing that they could jump in and roll

What would you say was the biggest obstacle you had to overcome to succeed in the water industry?

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up their sleeves if (when!) I needed help. In other ways, my mentors have been very different from one another, and none of them is perfect, which is a great lesson in itself — it’s the passion to do the right thing that matters, not meeting some impossibly high standard of leadership.

**What advice would you give a young woman just starting out in the water industry?**

Be passionate about our business; believe that what we do is important. Follow your interests and become very good at what you do; have high standards. Be intentional about developing the skills you need to be successful in your chosen path. If you don’t understand something, seek out someone to teach you. Build your people skills the same way you build your technical skills. Watch how other people lead meetings, interact with co-workers and communicate with clients. None of us do all of these things well all the time, so watch for the good and not-so-good lessons and strive to cultivate the good ones in yourself. Recognize that this is your career, not just a way to make a living.

CONTINUED FROM PAGE 6 | executive director report

In any form, fashion or name. “You are not fooling me. I know what recycled water is, buddy!”

And the simple phrase, “We are all downstream from someone” just didn’t penetrate the mindset — back then.

This is where we fast forward to 2014 and of course, you see where this is going. All it took was the drought of record for just about every water professional in West Texas to look their elected leaders and their customers in the eye and empty water glass and sing, “It’s Now or Never.”

If I recall, the folks in Big Spring made the leap last year and started blending 20% of their water with highly treated wastewater. And Brownwood is talking about it. But, up in Wichita Falls, one of our TAWWA Board members, Daniel Nix, is about to begin blending up to 50% of the their wastewater with whatever is left in Lake Arrowhead. The TCEQ is apparently very near signing off on the plan and from what I read, if there is any opposition from the folks in Wichita Falls, I don’t see it. There is nothing but praise for the idea and frankly, I am proud of all of these communities for seizing the opportunity. I’m not sure they had too many options left, but doing what has to be done is what water professionals have been doing since they first started treating water with chlorine over 100 years ago.

I have had the opportunity to talk about our direct potable reuse project here in Texas with my counterpart in California who is now faced with a similar drought as ours. They are more than interested. And, I am just going to guess that the folks in San Diego wish they had seized the opportunity when they first had the chance.

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**BOARD MEETING NOTICE**

The Texas Section AWWA will conduct the Annual Meeting of the Board of Trustees of the Texas Section AWWA

Monday, April 14, 2014
2–5pm, Obelisk Room
Hilton Anatole Hotel » Dallas, TX
time of her death in 1911. In spite of the caveat at her admission, Swallow Richards championed the education of girls in science. Upon the foundation of her accomplishments, women in water have turned new ground, built careers and made their own history.

“Women’s History Month is a time to recognize the contributions of women who have broken the pre-cast mold of history within our industry. These women paved the way for a better workforce where women today occupy every possible space within the world of water,” said David LaFrance, executive director of the American Water Works Association. “It’s important that we celebrate the achievements that have been made, and equally important that we continue to inspire girls and young women to pursue mathematics and the sciences from early ages. The simple truth is that we want more young women to find a home in water work.”

Women’s History Month had its origins as a national celebration in 1981 when Congress passed Pub. L. 97-28 which authorized and requested the President to proclaim the week beginning March 7, 1982 as “Women’s History Week.” In 1987 after being petitioned by the National Women’s History Project, Congress passed Pub. L. 100-9 which designated the month of March 1987 as “Women’s History Month.” Since 1995, Presidents Clinton, Bush and Obama have issued a series of annual proclamations designating the month of March as “Women’s History Month.” (From the Law Library of Congress’ guide to the legislative history of Women’s History Month.)

Join AWWA and TAWWA in reflecting upon the service women water professionals make every day in their service as colleagues and leaders.
CONTINUED FROM PAGE 3 | conference highlights

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We hope you enjoy your new conference experience!

Special thanks to Tetra Tech for sponsoring the TW14 app.
other questions pertaining to the Capitan Reef that we will probably be looking into in the near future.”

The active model area covers about 3,400 square miles of the Pecos County region of Texas west of the Pecos River, and its boundaries were defined to include the saturated areas of the Edwards-Trinity Aquifer. While groundwater-level declines of five to 15 feet are evident in all scenarios throughout the model area, the largest projected groundwater-level declines occur in localized areas of more intense pumping.

“The Middle Pecos Groundwater Conservation District’s goal is to make every effort possible to manage and protect our groundwater supplies through monitoring our aquifers,” said Paul Weatherby, General Manager at Middle Pecos Groundwater Conservation District. “Scientific, unbiased studies such as this one by USGS provide invaluable information for Groundwater Districts and concerned citizens to incorporate into their groundwater planning efforts.”

Scientists analyzed three pumping scenarios that extend over a 30-year period in the Leon-Belding area in western Pecos County, to include: extending recent (2008) irrigation and non-irrigation pumping rates; extending recent (2008) pumping rates as assigned in scenario 1, and with year-round pumping; and periodic increases in pumping rates over time.

“A groundwater-flow model provides a tool to better understand how to manage the resource,” said USGS scientist Brian Clark. “The good news is that resource managers now have more information needed to make informed choices that may affect Texas water bodies.”

The first scenario resulted in widespread declines in groundwater levels ranging from five to 15 feet. However, projected groundwater-level declines in and around the Leon-Belding area and the Fort Stockton area are almost nonexistent, apart from a small area of decline in the southwestern part of the Leon-Belding area.

The second scenario, to allow year-round pumping, resulted in a maximum decline of approximately 27 feet in localized areas. The extent of the projected groundwater-level decline in the irrigation area expanded from that of the first scenario to include much of the central and southern part of the irrigation area.

The third scenario, to increase pumping rates over the 30-year period, predicted a maximum groundwater-level decline of approximately 32 feet. The spatial extent of groundwater decline is larger than the second scenario, coalescing with declines northwest of the Leon-Belding area.

This study was done in cooperation with the Middle Pecos Groundwater Conservation District, Pecos County, City of Fort Stockton, Brewster County, and Pecos County Water Control and Improvement District No. 1.
WITHIN OUR INDUSTRY AND THE CONTINUED NEED FOR DIVERSIFICATION AS WE MOVE FORWARD. THIS PRESENTATION WILL BE PART OF THE 2014 WOMEN OF TEXAS WATER PROGRAM. ALAN AND PEGGY HAVE WORKED TOGETHER FOR MORE THAN 25 YEARS, AND THEIR COMBINED INSIGHT AS THEY HAVE SEEN OUR INDUSTRY EvOLVE SHOULD BE OF GREAT INTEREST TO ALL OF THOSE, MEN AND WOMEN, WHO ARE ON THE LEADING EDGE OF WHAT IS ONLY YET TO COME.

IN REFLECTING UPON THE LAST YEAR, I HAVE TO GIVE THANKS TO SO MANY DEDICATED VOLUNTEERS. NOT ONLY HAVE OUR LONG-STANDING COMMITTEES AND DIVISIONS CONTINUED TO THRIVE, BUT WE MADE GREAT STRIDES IN GETTING PUBLIC OUTREACH TO THE FOREFRONT THIS YEAR.

IN LOOKING FORWARD TO THE NEXT YEAR, TAWWA NEEDS TO CONTINUE TO HAVE A STRONG REGULATORY AND LEGISLATIVE PRESENCE. HEATHER COOKE WAS EXTREMELY VALUABLE TO OUR MEMBERSHIP DURING THE LAST LEGISLATIVE SESSION, PROVIDING TIMELY WEBCASTS ON VARIOUS LEGISLATION THAT IMPACTED OUR INDUSTRY. ADDITIONALLY, TAWWA WAS A STRONG SUPPORTER OF HB4, WHICH AS WE ALL KNOW WAS EMBRACED BY OUR CITIZENS DURING THE NOVEMBER ELECTION AND IS NOW WELL UNDERWAY WITH RESPECT TO PLANNING, RULEMAKING AND IMPLEMENTATION. IMPLEMENTING OUR STATE WATER PLAN WILL BE CRITICAL TO THE SUCCESS OF TEXAS, AND I LOOK FORWARD TO WORKING WITH OUR NEWEST TEXAS WATER DEVELOPMENT BOARD WOMAN AND REGISTERED ENGINEER APPOINTEE, COMMISSIONER KATHLEEN JACKSON, TO OFFER THE SUPPORT OF TAWWA AND ITS MEMBERS AS SHE, CHAIRMAN RUBINSTEIN AND COMMISSIONER BRUUN TAKE ON WHAT MAY BE ONE OF THE BIGGEST CHALLENGES THAT WE, AS TEXANS, HAVE FACED SINCE THE 1950S.

IN CLOSING, I WANT TO THANK ALL OF YOU FOR YOUR HARD WORK, DEDICATION TO OUR INDUSTRY, AND PASSION FOR WHAT YOU DO EACH DAY. I CANNOT IMAGINE WORKING IN A FIELD OTHER THAN WATER. WHAT WE DO IS OF PARAMOUNT IMPORTANCE TO THE PUBLIC AND THE SUCCESS OF OUR STATE FOR OUR FUTURE CHILDREN AND LEADERS, BOTH MEN AND WOMEN.

THANK YOU AGAIN FOR THE HONOR TO SERVE AS YOUR CHAIR AND I LOOK FORWARD TO VISITING WITH AS MANY OF YOU AS POSSIBLE IN DALLAS DURING TEXAS WATER 2014™.
ATTENTION ALL MEMBERS!

Join us to kickoff the Mentoring Program at the first ever Networking Event at Texas Water 2014™. It will be held in conjunction with the YP and Student Reception on Tuesday, April 15, at 5 pm in the Atrium I area of the Hilton Anatole Hotel.

It will be a great opportunity to learn more about the Mentoring Program and network with seasoned professionals while attending the conference.

We are also looking for mentees, those who are new to TAWWA or who want to be more involved in the organization.

Questions and suggestions are welcome. Please email Letty Gomar at lgomar@carollo.com.

REGISTRATION TODAY!

Texas Water 2014™

April 14-17, 2014*
Hilton Anatole Hotel
Dallas, Texas

*Please note Texas Water 2014 begins on Monday and ends on Thursday this year

Registration is open at www.txwater.org
A registration form can also be found on Page 19.
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Please contact Julie Nahrgang for sponsorship information at Julie@weat.org or 512.693.0060

Sponsors may pay by check made payable to: WEAT, or by credit card directly to: WEAT; 1825 Fort View Rd., Suite 102; Austin, TX 78704.

_Sponsorships are available on a “first come-first serve” basis._
TEXAS WATER REUSE CONFERENCE - JULY 18, 2014
9:00 am – 4:00 pm

TEXAS WATER REUSE ASSOCIATION, WATER ENVIRONMENT ASSOCIATION OF TEXAS, and TEXAS AMERICAN WATER WORKS ASSOCIATION invite you to attend the 3rd Annual Water Reuse Conference in Texas — co-sponsored by our three associations.

TECHNICAL PROGRAM
The Program will provide attendees current updates on reclaimed water topics including UTILITY OPERATIONS, FOLLOW THE MONEY, WATER REUSE PLANNING, and WATER QUALITY ISSUES. Participants will enjoy networking with industry professionals interested in extending our water resources into the future. Lunch will be included and the schedule has been developed to offer maximum instruction time in a one-day conference.

CONFERENCE LOCATION: AUSTIN CONVENTION CENTER
Mention the Water Environment Association of Texas for the conference room rate of $165 at the Hilton Hotel, 713.739.8000, downtown Houston. Reservation deadline for room block is June 24, 2014.

KEYNOTE SPEAKER: TBD

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Phone: 512.693.0060 • julie@weat.org • Fax: 512.693.0062

FOR ADDITIONAL INFORMATION AND TO VOLUNTEER CONTACT:
GREG MESZAROS 512-972-0108  Greg.Meszaros@austintexas.gov
ELLEN McDONALD 817-806-1700  EMcDonald@apaientv.com
DON VANDERTULIP 210-402-1572  dvandertulip@satx.rr.com

Register online at www.weat.org

The revised NOI Form No. 20368 and Waiver Form No. 20369 can be found on the TCEQ website at http://www.tceq.texas.gov/comm_exec/forms_pubs/search_forms.html. Forms from the previous permit period are no longer valid and will not be processed.

Model ordinances and additional compliance resources are also available on the TCEQ website at Assistance Tools for Stormwater Permitting: http://www.tceq.texas.gov/assistance/water/sw.html.

For help determining whether the new Phase II MS4 general permit is applicable to your organization, contact the TCEQ's Stormwater & Pretreatment Team at 512-239-4671 or by email at SWGP@tceq.texas.gov.

For help understanding the application process or the requirements of any stormwater general permit, contact the TCEQ's Small Business & Local Government Assistance Section’s compliance Hotline at 1-800-447-2827 or a Compliance Assistance Specialist in one of the TCEQ regional offices: http://www.tceq.texas.gov/about/directory/region/reglist.html.

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What’s Happening Across Texas

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Want to share your event with the Texas water community? Contact Mike Howe, 512-238-9292 or mikehowe@tawwa.org.

Check the Section’s website, www.tawwa.org, for the latest information on Section activities.
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