

***ENVIRONMENTAL  
TRADE FAIR  
& CONFERENCE***

**MAY 3-4, 2016 | AUSTIN CONVENTION CENTER**



**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**

# TUESDAY May 3, 2016

EDUCATIONAL TRACKS

8:30–9:30 a.m.

10:30–11:30 a.m.

1:00–2:00 p.m.

2:15–3:15 p.m.

4:00–5:00 p.m.

**AIR PERMITTING: NEW SOURCE REVIEW AND OPERATING PERMITS**  
*BALLROOM EF*

**Air Permits Division (APD) Updates/ Management Introductions**  
Overview of current APD issues.  
*Mike Wilson, P.E.*  
Level: Basic

**Standardized Authorizations (Permits by Rule, Standard Permits, etc.)**  
Updates and overview, including information on e-Permitting, spreadsheets, and other tools.  
*Joe Shine*  
Level: Intermediate

**Commonly Used Permits by Rule (PBRs)**  
Specific information regarding applicability and requirements for more commonly used PBRs.  
*Dana Johnson*  
Level: Intermediate

**Introduction to New Source Review (NSR) Permits**  
Description of the permitting processes for NSR construction permits, amendments, alterations, and renewals.  
*Sarah Fuchs*  
Level: Intermediate

**New Source Review Modeling and Impacts Evaluation**  
Overview of the authority, requirements, and general evaluation process for determining emissions impacts.  
*Rachel Melton*  
Level: Intermediate

**AIR QUALITY**  
*TUESDAY ONLY*  
*ROOM 14*

**The Texas Emissions Reduction Plan (TERP) – Helping to Keep the Air Clean in Texas**  
Learn how the TERP program is reducing emissions from polluting vehicles and equipment through incentive grants.  
*Nate Hickman*  
Level: Basic

**Update on the Texas State Implementation Plan and Federal Standards, Including Ozone and Sulfur Dioxide**  
Latest Texas air planning activities and federal standards with emphasis on ozone and sulfur dioxide.  
*Brian Foster, Kasey Savanich*  
Level: Basic

**Update of Texas Photochemical Modeling Activities**  
Overview of new 2012 ozone episode for Texas and update of revised EPA modeling guidance.  
*Chris Kite*  
Level: Intermediate

**EPA Toxics Release Inventory and State Emissions Inventory**  
Overview of the EPA TRI and the state point source emissions inventory programs and requirements.  
*Blake Kidd, Susan Wampler*  
Level: Intermediate

**Web Emissions Inventory Reporting**  
How to submit a point source emissions inventory through the TCEQ's Web-based reporting system.  
*Adam Bullock*  
Level: Advanced

**COMPLIANCE ASSISTANCE AND ENFORCEMENT**  
*ROOM 17AB*

**Investigations and Common Violations at Water and Wastewater Treatment Plants**  
Overview of water and wastewater investigations with an emphasis on common non-compliances and new requirements.  
*Ross Morgan*  
Level: Basic

**Stormwater**  
An overview of the components in TCEQ stormwater investigations.  
*Jason Lindeman*  
Level: Basic

**Title V Compliance Certification and Deviation Reporting**  
An overview of required certification and reporting after a Title V permit is issued.  
*Chris Horton, Kevin McLeod*  
Level: Basic

**Emissions Events**  
General information and case studies on emissions events: reportable, recordable, and excessive.  
*Cynthia Gandee, Jon Williams*  
Level: Basic

**Storm Debris Management**  
Discussion of the preparation, response, and recovery operations related to management of storm debris.  
*Michelle Havelka*  
Level: Basic

**INTRODUCTION TO ENVIRONMENTAL REGULATIONS**  
*ROOM 18AB*

**SIP 101**  
An introduction to the Texas State Implementation Plan, a comprehensive plan to meet federal air quality standards.  
*Kristin Patton*  
Level: Basic

**Air Permitting Overview**  
*Jennifer Amelang*  
Level: Basic

**Stormwater – MSGP & Construction**  
Permitting applicability for multi-sector and construction general stormwater permits.  
*Danielle Cochran*  
Level: Basic

**Stormwater MS4**  
Permitting requirements for small municipal separate storm sewer systems.  
*Polly Porter*  
Level: Basic

**Underground Storage Tanks: Program and Rule Updates**  
Updates on UST rules and Energy Act investigations.  
*Nathan Weiss, Rebecca Costigan*  
Level: Basic

**LAB PRACTICES AND DATA REPORTING**  
*ROOM 19A*

**Data Security and Disaster Planning: Are Your Records Safe?**  
Overview requirements related to electronic records and case study discussions on loss of records and disaster management.  
*Michael Shepherd, Shepherd Technical Services; Michael Hintz, Dynamic Technology Solutions*  
Level: Intermediate

**Zero Population Pathogenic Bacteria Disinfection of Wastewater by Ceramic Membrane Filtration**  
An efficient, cost-effective system for wastewater effluent reuse.  
*Edward Askew, Ph.D., Askew Scientific Consulting, LLC*  
Level: Advanced

**Changes to the TNI Laboratory Accreditation Standard**  
An overview of changes adopted by the NELAC Institute's Consensus Standards Development Program and implementation timeline.  
*Jerry Parr, Nelac Institute*  
Level: Basic

**Benzene Fenceline Monitoring at Refineries – Methods 325A and 325B**  
An overview of new rule requirements for the monitoring of benzene air concentrations at the fenceline of refineries.  
*J. Thomas Yoder, TestAmerica Laboratories, Inc.*  
Level: Advanced

**Traceability of Records**  
A discussion of the application of the term "traceable records" to laboratories.  
*Mei Beth Shepherd, Shepherd Technical Services*  
Level: Intermediate

**OCCUPATIONAL LICENSING**  
*TUESDAY ONLY*  
*ROOM 15*

**Overview of Occupational Licensing**  
Who needs a license, how to get/maintain a license, and other OL functions. Rule and regulatory guidance updates.  
*Jaya Zyman, P.E.*  
Level: Basic

**Overview of Criminal History Background Checks for All Licensees**  
Review of background check requirements and summary of the impact this policy has had after three years.  
*Michael Parrish*  
Level: Intermediate

**Licensing Requirements**  
Specific licensing requirements for water, wastewater, BPAT, CSI, OSSF, and irrigation.  
*Occupational Licensing Staff*  
Level: Intermediate

**Approved Training-Provider Responsibilities**  
Training-providers' responsibilities: having qualified instructors, roster submission, record retention requirements, updated content, and more.  
*Linda Saladino*  
Level: Intermediate

**Training-Course Requirements**  
How to get a training course approved. Overview of the different means of delivering training.  
*Sarita Nazareth*  
Level: Intermediate

**Preparing for a Training Program Audit**  
Review of what records and documentation to maintain for training providers.  
*Linda Saladino*  
Level: Intermediate

**OIL AND GAS**  
*(Includes Ethics for Professional Engineers)*  
*BALLROOM G*

**Air Permitting Oil and Gas 101**  
Overview on authorizing Oil and Gas PBRs and Standard Permits, e-permits and hardcopy examples, including preferred order.  
*Sabrina Coty-Butler*  
Level: Basic

**Texas' View on NSPS Subpart 0000a and Source Determination**  
A discussion on how the EPA's proposed NSPS Subpart 0000a and Source Determination rules could affect Texas sources.  
*Samuel Short*  
Level: Intermediate

**Office of Compliance and Enforcement Update on Oil and Gas Activities in Texas and the Use of the Self Audit Privilege Act**  
*Susan Jablonski, P.E., Bryan Sinclair*  
Level: Intermediate

**Ozone Update**  
Updates on EPA's revised National Ambient Air Quality Standard for Ozone.  
*David Brymer*  
Level: Intermediate

**Q&A Panel Discussion on Air Issues Affecting the Oil and Gas Sector**  
*Sabrina Coty-Butler, David Brymer, Susan Jablonski, P.E., Samuel Short*  
Level: Intermediate

**Texas Board of Professional Engineers – Professional Practice Update/Ethics**  
Updates on recent rule changes, and pending initiatives. Review of enforcement statistics, and the engineering Code of Conduct.  
*C.W. Clark, P.E., Texas Board of Professional Engineers*  
Level: Basic

7:30 a.m. EXHIBIT HALL OPENS

9:30–10:30 a.m. BREAK – EXHIBIT HALL

11:30 a.m. – 12:45 p.m. LUNCH ON YOUR OWN

3:15–4:00 p.m. BREAK – EXHIBIT HALL

## WASTE MANAGEMENT: INDUSTRIAL AND HAZARDOUS WASTE

ROOM 16AB

### I&HW Section Updates and Emerging Issues

Overview of current and emerging I&HW issues and the potential impacts to industry.

Bob Patton  
Level: Basic

### Easier, Better, Faster Permitting Update

Overview of significant application deficiencies and how to avoid them.

Adrienne Clark, Anna Lleras  
Level: Basic

### New TCEQ Rules: Revised Definition of Solid Waste, E-manifest, Steel Slag, and Cathode Ray Tube

New rules impacting industry.  
Cynthia Palomares, Jean Shaw  
Level: Basic

### Implementing the New DSW Rule

Overview of the new Definition of Solid Waste rule and the ins and outs of implementation.

Jesse Boultinghouse, Bob Patton  
Level: Intermediate

### Proposed Federal Rules Impacting Industry

Proposed federal rules impacting industry: Generator Rule, Pharmaceutical Rule, Import/Export Rule, and others.

Will Wyman, Ed Minter  
Level: Intermediate

## WASTEWATER PERMITTING

ROOM 18CD

### Water Quality Division Update

Overview of new rules, permits, and initiatives that may impact wastewater, stormwater, and sludge permits.

David Galindo  
Level: Intermediate

### Electronic Permitting: Welcome to the Future

The Federal Electronic Reporting Rule requirements and deadlines, and how to use the TCEQ's electronic permitting tool.

Laurie Fleet, Radhika Aduri  
Level: Basic

### Design Criteria for Domestic Wastewater Treatment Plants 30 TAC Chapters 217 and 317

Louis C. Herrin III  
Level: Intermediate

### Standards Implementation Procedures

Revisions to the Procedures to Implement the Texas Surface Water Quality Standards.

Brittany Lee  
Level: Intermediate

### Whole Effluent Toxicity Testing Procedures

Whole Effluent Toxicity testing updates for the Procedures to Implement the Texas Surface Water Quality Standards.

Michael Pfeil  
Level: Intermediate

### Industrial Wastewater Permitting

An overview of the permitting process: who needs a permit and how to apply.

Shannon Gibson  
Level: Intermediate

### Industrial 210E Authorizations for Beneficial Reuse

A discussion of how to obtain authorization to beneficially reuse industrial wastewater.

Kara Denney  
Level: Intermediate

### Reuse of Domestic Reclaimed Water

Chapter 210 regulations for reuse of domestic wastewater.

Louis C. Herrin III  
Level: Intermediate

## WASTE REMEDIATION

TUESDAY ONLY

ROOM 12AB

### Voluntary Cleanup Program

Updates on program requirements.

Gene Muller  
Level: Basic

### Municipal Settings Designations (MSDs): Program Overview and Requirements

Provides an overview of MSD program requirements and common application issues.

Joseph Bell, P.G.  
Level: Basic

### Corrective Action at Leaking Petroleum Storage Tank Sites: An Overview with Case Studies

Describes the current processes and requirements when performing corrective action at LPST sites via examples.

Prasanthi Bollineni, P.E.  
Level: Intermediate

### Information for Texas Professional Geoscientists

Current information regarding Texas Professional Geoscientist licensure will be presented including real-world examples.

Charles Horton, Wesley McCoy, Chris Mathewson, Texas Board of Professional Geoscientists  
Level: Basic

### Texas Risk Reduction Program (TRRP) Rule Applicability – Focus on Specific Issues

Making the transition from a Phase II Environmental Assessment to TRRP; plus, soil relocation and reuse.

Paul Lewis, P.G.  
Level: Intermediate

### Vegetation of Cell Caps Using Native Plants

Case studies for reducing operation and maintenance costs using native plants to vegetate containment cells.

Anna Lund  
Level: Intermediate

### Cost Effective Strategies for Groundwater Remediation

Using multiple technologies as a cost-effective strategy to achieve groundwater remedial action objectives.

Midori Campbell, P.E.  
Level: Intermediate

## WATER

ROOM 19B

### Current Status of the Texas Integrated Report (IR) for Clean Water Act Sections 305(b) and 303(d)

Discussion on the status of the 2014 and 2016 Texas Integrated Report.

Andrew Sullivan  
Level: Intermediate

### Texas Surface Water Quality Standards Update

Update to the 2014 Texas Surface Water Quality Standards and proposals for the 2017 revision.

Joe Martin  
Level: Intermediate

### Take Care of Texas

What's new for us and how we can all take care of our state.

Rachel Matvy  
Level: Basic

### Texas Water Development Board (TWDB) Water Data Interactive (WDI) Groundwater Data Viewer

Using the Water Data Interactive (WDI) Groundwater Data Viewer to access Texas groundwater information.

Bryan Anderson and Heather Rein, Texas Water Development Board  
Level: Intermediate

### The Water Rights Permitting Process

What the TCEQ is looking for to make water rights applications administratively complete.

Jennifer Allis, Michael Gill, Robert Hansen, Christine Peters  
Level: Basic

### Desalination

Update on the desalination rulemaking to implement HB 2031 and HB 4097.

Kathy Alexander, Laurie Fleet, Kathy Ramirez  
Level: Basic

### Water Right Change of Ownership – Help Us Help You

Guidance on how to complete and when to submit a Change of Ownership form.

Stephen Kinal  
Level: Basic

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2016 Texas Environmental Excellence Awards Banquet

TOMORROW ★ BALLROOM D

BEGINS AT 5:30 P.M.

Banquet check-in at Ballroom D

For more information please see next page.

## CONTINUING EDUCATION CREDITS

Continuing Education Units Desk Located on the Fourth Floor

The TCEQ Environmental Trade Fair & Conference is funded by attendee and exhibitor registration fees. The TCEQ is an equal opportunity employer. The agency does not allow discrimination on the basis of race, color, religion, national origin, sex, disability, age, sexual orientation, or veteran status. In compliance with the Americans with Disabilities Act, this document may be requested in alternate formats by contacting the TCEQ at 512-239-0028, Fax 512-239-4488, or 1-800-RELAY-TX (TDD), or by writing P.O. Box 13087, Austin, TX 78711-3087.

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# WEDNESDAY May 4, 2016

EDUCATIONAL TRACKS

8:30–9:30 a.m.

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2:30–3:30 p.m.

3:45–4:45 p.m.

**AIR PERMITTING: NEW SOURCE REVIEW AND OPERATING PERMITS**  
*BALLROOM EF*

**Prevention of Significant Deterioration (PSD)/Nonattainment (NA) Review/Netting**  
Overview of PSD and NA requirements, including standards update, netting examples, offsets, and controls.  
*Arturo J. Garza*  
Level: Intermediate

**Emissions Banking and Trading Programs**  
Overview of emissions banking and trading requirements, including updates and examples.  
*Melissa Ruano*  
Level: Basic

**Site Operating Permits (SOPs) – Initial, Revision, and Renewal Applications**  
Explanation of the initial application, revision, and renewal processes for Title V SOPs.  
*Vassant Chaphekar, P.E., Carolyn Maus, P.E.*  
Level: Intermediate

**General Operating Permits (GOPs)**  
Applying for an authorization to operate and revisions to Title V GOPs.  
*Erin Guerra*  
Level: Intermediate

**Improving Practices in Environmental Risk Communication**  
Suggestions to improve risk communication through the language of risk, risk perception, and risk acceptance.  
*Dr. William Rish, Hull Risk Analysis Center*  
Level: Basic

**COMPLIANCE ASSISTANCE AND ENFORCEMENT**  
*ROOM 17AB*

**Texas Tier II Chemical Reporting at TCEQ**  
An overview of changes made to the Tier II Chemical Reporting Program by House Bill 942, which included the transfer of the Tier II Program from TDSHS to TCEQ.  
*Ann Adams*  
Level: Basic

**Optical Gas Technologies in Field Operations**  
An overview of how the TCEQ is using optical gas technologies in environmental studies and investigations.  
*Tim Doty*  
Level: Basic

**Update: Office of Compliance and Enforcement**  
*Ramiro Garcia, Jr.*  
Level: Basic

**Enforcement Overview**  
Overview of the TCEQ's Enforcement Division, including discussion of the Texas Audit Privilege Act.  
*Melissa Cordell, Michael De La Cruz*  
Level: Basic

**NetDMR**  
A demonstration of how to submit TPDES Discharge Monitoring Reports through the NetDMR application.  
*Danielle Clements*  
Level: Basic

**ENVIRONMENTAL QUALITY ALONG THE TEXAS BORDER WITH MEXICO**  
*WEDNESDAY ONLY*  
*ROOM 14*

**Environmental Quality Along the Texas Border with Mexico**  
*Steve Niemeyer*  
Level: Intermediate

**Green Infrastructure for Storm Water Management**  
*Maria Elena Giner, Border Environment Cooperation Commission*  
Level: Intermediate

**Scrap Tire Management: Successes and Challenges**  
*John Sheerin, Rubber Manufacturers Association*  
Level: Basic

**Mexico Energy Reform: the Education, Skill and Experience Gap Challenge**  
*Jorge Piñon, The University of Texas at Austin*  
Level: Intermediate

**Environmental Compliance and Enforcement Along the Texas Border with Mexico**  
*Frank Chavero, Arnaldo Lanese*  
Level: Intermediate

**INTRODUCTION TO ENVIRONMENTAL REGULATIONS**  
*ROOM 18AB*

**Waste Reduction Policy Act**  
How to comply with the Texas law for pollution prevention planning, called WRPA.  
*Susan Palachek*  
Level: Basic

**Understanding the Enforcement Process**  
A basic explanation of the TCEQ enforcement process.  
*Colin Barth*  
Level: Basic

**WWTP Asset Management Part I**  
Basics of asset management and developing a budget.  
*Diana Steele*  
Level: Basic

**WWTP Asset Management Part II**  
Sustainable systems and compliance.  
*Rebekah Stanush*  
Level: Basic

**Storm Water – MSGP & Construction**  
Permitting applicability for multi-sector and construction general stormwater permits.  
*Danielle Cochran*  
Level: Basic

**LAB PRACTICES AND DATA REPORTING**  
*ROOM 19A*

**The 2015 TNI Standard and the EPA MDL Update**  
An overview of the NELAC Institute standard language for detection and quantitation and the EPA MDL.  
*Richard Burrows, TestAmerica Laboratories, Inc.*  
Level: Advanced

**The Future of Method Detection Limits**  
Updates after a year of discussions on the new procedure for method detection limits including examples.  
*Charles Neslund, Eurofins Lancaster Laboratories Environmental, LLC*  
Level: Intermediate

**Designing a Quality Program to Comply with the Coal Combustion Residual Rule**  
Discussion of an example program to comply with the coal combustion residual rule.  
*Rock Vitale, Environmental Standards, Inc.*  
Level: Advanced

**Assessing Methods of Emerging Technology**  
*Tony Francis, SAW Environmental*  
Level: Intermediate

**Benefits of Automating Laboratory Workflow and Going Paperless**  
Analytical case study on the implementation of a paperless automation system.  
*Mark Ferrero, Poplar Solutions, LLC*  
Level: Intermediate

**OIL AND GAS**  
*(Includes Ethics for Professional Geoscientists)*  
*BALLROOM G*

**Oil and Gas E&P Emission in the Railroad Commission's Conservation and Safety Jurisdiction**  
Overview of the Railroad Commission's regulations on flaring, venting, and hydrogen sulfide safety.  
*Travis Baer, Railroad Commission of Texas*  
Level: Intermediate

**FracFocus Update – The Nation's Hydraulic Fracturing Chemical Registry Site**  
Update on FracFocus, created to provide the public access to reported chemicals used for hydraulic fracturing.  
*Mike Nickolaus, Ground Water Protection Council*  
Level: Intermediate

**Practical issues and the Railroad Commission/TCEQ Memorandum of Understanding (MOU)**  
A brief discussion of the legal basis for the MOU, and how to effectively navigate situations where the Railroad Commission and the TCEQ are involved.  
*David Cooney, Railroad Commission of Texas*  
*Diane Goss*  
Level: Intermediate

**Ethics Training for Professional Geoscientists**  
Laws, regulations, and examples regarding PG licensure ethics in Texas.  
*Wesley McCoy, P.G., Charles Horton, Texas Board of Professional Geoscientists*  
Level: Basic

**No Presentation Scheduled**

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9:30–10:30 a.m. BREAK – EXHIBIT HALL

11:30 a.m.–12:45 p.m. LUNCH ON YOUR OWN

2:00–2:30 p.m. BREAK – EXHIBIT HALL

## UNDERGROUND INJECTION CONTROL

## And RADIOACTIVE MATERIALS AND WASTE MANAGEMENT

WEDNESDAY ONLY  
ROOM 12AB

### Radioactive Materials Division Program Update

Charles Maguire  
Level: Intermediate

### Part 192 – EPA Rulemaking, Part 61 & GTCC

Charles Maguire  
Level: Advanced

### Radioactive Materials Section Update

This session will highlight major program developments of the Radioactive Materials Section.

Bobby Janecka  
Level: Intermediate

### MSW Program Update

Chance Goodin  
Level: Basic

## WASTE MANAGEMENT: MUNICIPAL SOLID WASTE

ROOM 16AB

### Municipal Wastewater Permits

Review of applications for municipal and domestic wastewater permits, draft-permit applications, and draft-permit package-development.

Sarah Johnson, Ph.D.  
Level: Intermediate

### TPDES Municipal Separate Storm Sewer Systems: Phase I and Phase II

MS4 program overview, Phase I individual permits, Phase II General Permit (TXR040000), Stormwater Management Programs, and Annual Reports.

Hanne Nielsen  
Level: Intermediate

## WASTEWATER PERMITTING

ROOM 18CD

### Happy First Birthday, Brazos Watermaster

What the TCEQ is looking for to make water rights applications administratively complete.

Molly Mohler  
Level: Basic

### Cool Science and InstaMeets

How to get the social media generation engaged with the outdoors.

Whitney Bishop, Texas Parks and Wildlife Department  
Level: Basic

## WATER

ROOM 19B

### UIC Program Update

Lorrie Council  
Level: Intermediate

### New ASR Rules; Implementation of HB655

Discussion of new rules that apply to aquifer storage and recovery projects.

David Murry  
Level: Advanced

### Class I Injection Well Application Issues

Jan Bates  
Level: Advanced

### New Medical Waste Management Rules

New regulations for the handling, treatment, and proper disposal of medical waste.

Gulay Aki, Mario Perez  
Level: Basic

### Stormwater TPDES Construction General Permit

Overview of the CGP (TXR150000), requirements, and impacts to regulated construction activities.

Dan Siebeneicher  
Level: Intermediate

### Stormwater Inspections

Overview of stormwater investigations of construction or industrial sites regulated by a general permit.

Jason Lindeman  
Level: Intermediate

### Watershed Priority Strategy

A new approach to address impaired water bodies.

Chris Loft, Dania Grundmann  
Level: Basic

### Texas Nonpoint Source Management Program

An overview of the TCEQ's Nonpoint Source Management Program including grant information and project examples.

Megan Wilson  
Level: Basic

### A Day (or Two) in the Life of a TCEQ Resident Inspector

Job duties of the Resident Inspectors at the WCS radioactive waste disposal site near Andrews.

Muhammadali Abbaszadeh  
Level: Advanced

### Facility Inspections, Radiation Issues and Compliance

Muhammadali Abbaszadeh  
Level: Advanced

### Landfill Application – What We Look For

Technical aspects including liner/leachate systems, stormwater management, geology/groundwater, landfill gas, and location restrictions

Fred Meyers  
Level: Intermediate

### Stormwater TPDES Multi-Sector General Permit

Overview of the MSGP (TXR050000), requirements, impacts to regulated industrial stormwater discharges, and upcoming renewal.

Lindsay Garza, Ryan Bucek  
Level: Intermediate

### Potable Reuse

An overview of the TCEQ's review and implementation processes for innovative water treatment for potable reuse.

Joel Klumpp  
Level: Intermediate

### Cross-Connection Control and Backflow Prevention

An overview of the TCEQ's Cross-Connection Control Program to prevent drinking water contamination by backflow.

Al Fuentes  
Level: Intermediate

### The Ground Water Protection Council – What It Is and What It Can Do for You

GWPC is an organization of state ground water agencies which promote the use of best management practices.

Michael Paque, Ground Water Protection Council  
Level: Basic

### Scrap Tire Management

Overview of program and the management of scrap tires in Texas.

Tamara Young, Tanveer Anjum  
Level: Basic

### Source Control Planning for Municipal Wastewater System Permit Compliance

How to identify and reduce sources of pollutants that can cause TPDES permit violations.

David James  
Level: Intermediate

### Desalination for Drinking Water Purposes

An overview of the TCEQ's July 2015 Chapter 290 rule changes including high-pressure membranes.

Robert Sims, P.E., David Williams, P.E.  
Level: Intermediate

### Lead and Copper Rule Overview and Goals

An overview of the TCEQ's Lead and Copper Rule regulations.

Laurie Gehlsen  
Level: Intermediate

### Update on the Waste Isolation Pilot Plant (WIPP)

Update on the WIPP facility and plans for reopening. Will also discuss the plan proposed by WCS and DOE for the removal of the WIPP waste stored at the WCS facility.

Charles Maguire  
Level: Advanced

### Waste Acceptance Plan

Discussion on how to prepare a complete waste acceptance plan for MSW applications.

Frank Zeng  
Level: Basic

### TPDES Pretreatment Program for Publicly Owned Treatment Works

Overview, review of POTW permit applications, conducting industrial surveys, requirements for categorical industries, and updates.

Zandra Castaneda  
Level: Intermediate

### Revised Total Coliform Rule Part 1

An overview of the plans, assessments, procedures, and monitoring requirements of the Revised Total Coliform Rule.

James Beauchamp  
Level: Basic

### Revised Total Coliform Rule Part 2

An overview of the assessments, corrective actions, and treatment technique requirements of the revised total coliform rule.

James Beauchamp  
Level: Intermediate

# Texas Environmental Excellence Awards

**PLEASE JOIN US AT THE 2016 TEXAS ENVIRONMENTAL EXCELLENCE AWARDS BANQUET**  
Today – Ballroom D | 5:30 p.m. Reception | 6:30 p.m. Dinner + Awards | Tickets \$35/person

The Texas Environmental Excellence Awards honor the state's most outstanding environmental projects. The banquet includes a reception, dinner, and awards ceremony featuring a video vignette on each winning project. Tickets are \$35 a person or \$280 for a reserved table of eight. If spaces are still available, you may buy tickets at the Onsite Registration Counter until 3:00 p.m.



# Exhibit Hall

Opens 7:30 a.m. Tuesday, 8:00 a.m. Wednesday

**New this year**

Investigate, Remediate, Restore: Remediation programs ensure protection of human health and the environment. View various success stories in urban and rural areas of the state.

**New this year**

Learn about the Historically Underutilized Business Program and the Mentor-Protégé Program.

## TCEQ REMEDIATION



**TAKE CARE OF TEXAS**



Learn about everyday measures the public can take to help maintain environmental quality in Texas.

**Entrance**

### CHAT WITH TCEQ STAFF FROM THE FOLLOWING PROGRAMS:

**New this year**

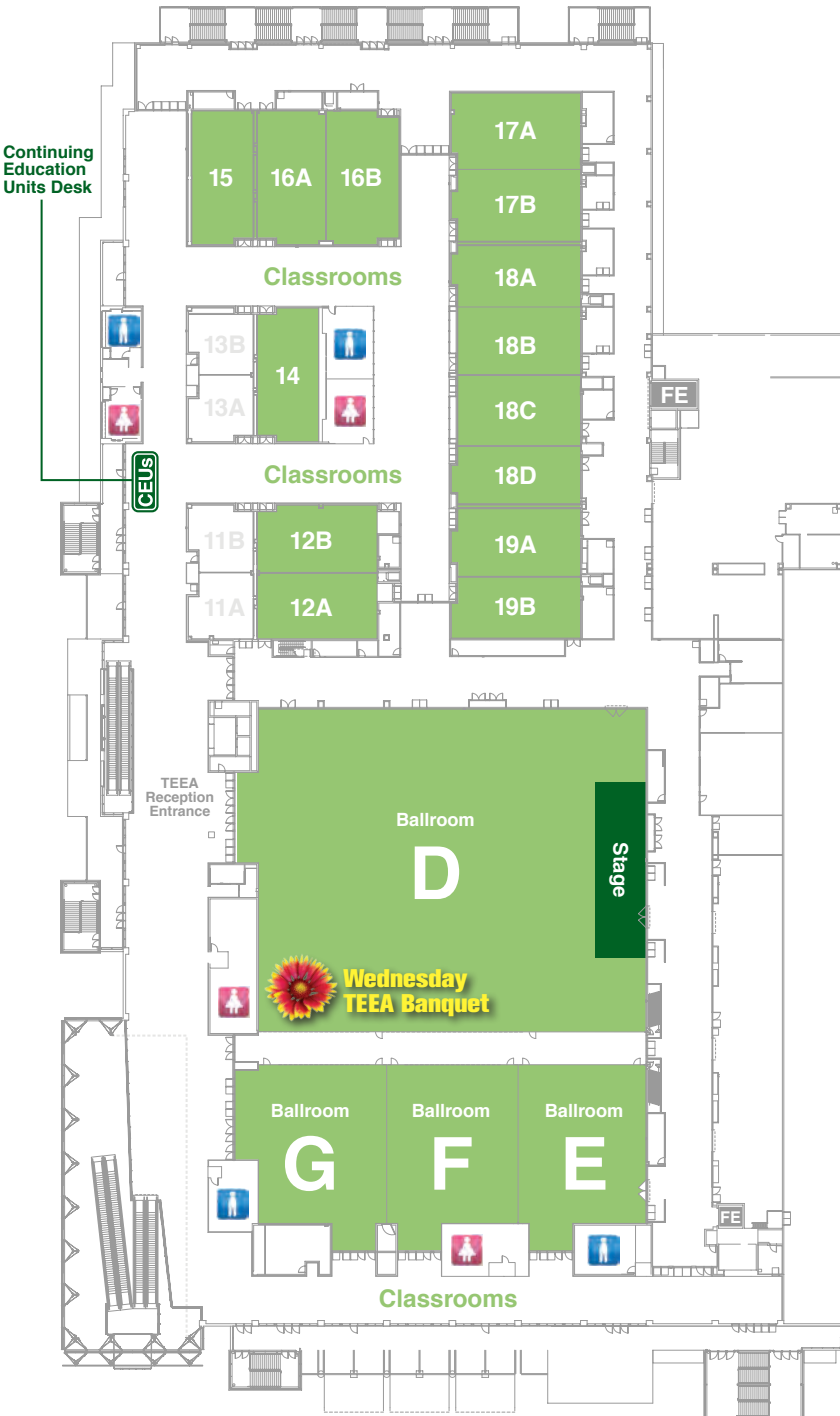
- Toxicology, a program that identifies chemical hazards, evaluates potential exposures, and assesses risks
- Employment and Internship Opportunities
- RENEW, the free materials-exchange network promoting reuse or recycling of industrial wastes

- Air Permitting
- Air Quality
- Texas Emissions Reduction Plan (TERP)

- Field Operations – Air, Water, and Waste
- Central Registry & CCEDS
- STEERS
- Central File Room Online (CFR Online)
- Small Business and Local Government Assistance
- Website Assistance
- Waste, Registration, and Reporting
- Industrial Waste Permit Issues, Waste Classification & Recycling
- MSW Permits, Recycling, and Composting
- Water Quality
- Galveston Bay Estuary Program
- Nonpoint Source
- Total Maximum Daily Load
- Water Availability
- Water Supply
- Texas Groundwater Protection Committee

**VISIT OUR EXHIBITORS WHO FEATURE THE LATEST ENVIRONMENTAL PRODUCTS AND SERVICES**

Exhibitor Name	Booth Number	Exhibitor Name	Booth Number	Exhibitor Name	Booth Number	Exhibitor Name	Booth Number	Exhibitor Name	Booth Number
24hr Safety	1606	Cascade Drilling L.P.	1037	Environmental Restoration, LLC	1425	Lonestar Ecology, LLC	1621	Sigma-Aldrich	1526
A&B Environmental Services, Inc.	1041	CB&I	932	Environmental Standards, Inc.	1232	Magna Flow Environmental	211	Site Safe Containment	104
AARC Environmental, Inc.	612	CDM Smith	1414	Environmental Systems Corp (ESC)	1455	Magnus Pacific	1332	SOS Environmental	1208
ABUTEK Industries, Inc.	1124	Cent-Tex Centrifuge, LLC	1614	EnviroSite Corporation	1109	Mako Environmental Solutions	221	South Central Chapter of International Erosion Control Association (SCIECA)	1255
Accelerated Technology Laboratories, Inc.	322	Central Texas Chapter AHMP	314	Envirotech Drilling Services	1551	MapPro Environmental Data	114	Spectrum Water Technology	1447
Accutest Laboratories	1337	CETCO	713	Envirotox	1609	McCoy and Associates	521	Speed Field Services, LLC	1451
Acme Environmental, Inc.	524	CH2M	1241	EORM	1511	Mechanical Equipment, Inc.	1738	Spirit Environmental	622
Acro Technologies, Inc.	1638	Cherry Companies	215	Epcor Industrial Systems, L.P.	710	Merichem Company	1540	Sprint Waste Services, LP	122
ACT pipe and Supply	1613	Cima Transportation, Inc.	1720	ERA, A Waters Company	1345	Midstate Environmental Services	1527	Stantec Consulting Services, Inc.	925
Action Resources, Inc.	1448	Cirrus Associates, Llc	305	ES&H	1321	Miller Environmental	811	Stericycle Environmental Solutions	1121
Adler Tank Rentals	835	City of Austin-Watershed	1248	ESC Lab Sciences	1013	Mobile Fluid Recovery	1128	Sunbelt Industrial Services	1115
Adwest Technologies, Inc.	1145	CK Associates	1434	ESS	214	Mobile Mini, Inc.	105	Sutron Corporation-Air Quality Division	115
AECOM	421	Clayborn Lab	1441	ETTL Engineers & Consultants, Inc.	623	Montrose Environmental Group, Inc.	325	SWCA Environmental Consultants	620
AEI Consultants	302	Clean Earth Systems Inc.	1240	Eureka Water Probes	1634	National Well Supplies Company, Inc.	625	SWS Environmental Services	607
Aerowerks	110	Clean Harbors/Safety-Kleen	1221	Eurofins Environmental Testing	1346	NESTEC, Inc.	1432	TAIT Environmental Services	422
AET Environmental	1608	CleanAir Engineering	1446	Evans Equipment & Environmental	532	Nexeo Solutions	507	Talon LPE	824
Agru America, Inc.	430	Cleaning Guys LLC	109	Evergreen Industrial Services	103	Nordon Corporation	108	Targus Associates	936
Air Hygiene	1045	Clear Fork	1525	Evoqua Water Technologies	1140	NSSI	821	TAS Environmental	937
Air Liquide	331	ClimeCo Corporation	1412	FarrWest Environmental Supply	1110	NTG Environmental	1142	Techsas, Inc.	611
Air Pollution Control Specialists	1134	Coal City Cob	1646	Field Environmental Instruments	427	OI Analytical	724	TEEX	204
Ajax Environmental	1356	Collier Consulting	1409	Firestone Building Products	1622	Oil Solutions	1560	TenCate Geotube	924
Alamo1	1033	Colorado Lining International, Inc.	324	Fox Scientific, Inc.	1126	OMI Environmental Solutions	1021	Terracon Consultants	423
Albion Environmental	201	Compliance Assurance Associates, Inc.	1639	Fuquay, Inc.	1234	Opgal Electronics	913	TestAmerica	1635
All4, Inc.	815	Compressor Engineering Corpoartion	810	Gainco, Inc.	226	Orsat	220	Testo Inc.	1537
Allen & Company Environmental Services	1146	Contek Solutions LLC	126	Garner Environmental	1607	OTA Compression	1135	TETC/EDMS	525
Alliance Source Testing	1545	Cook-Joyce, Inc.	725	Gasmet Technologies, Inc.	1415	OTT Hydromet	113	Tetra Tech, Inc.	717
Alliant Environmental, LLC	1113	Covanta	1341	Genesco Aircraft Tires	513	Oxidor Laboratories, LLC	1529	Texas Board of Professional Engineers	1514
Allied International Emergency	721	Cowboy Containments	1149	Geoprobe Systems	1233	Texas Board of Professional Geoscientists	1312	Texas General Land Office	303
Alpha Technical Services	205	Cox-Colvin & Associates, Inc.	1329	GeoSearch	1027	Texas Water Development Board	511	The Tarp Depot, Inc.	709
ALS Environmental	615	Cram-A-Lot	1535	GHD Services, Inc.	912	Phenova, Inc.	1534	Timber Creek Environmental, LL	1426
Altech Environment U.S.A.	910	CTEH, LLC	1206	GoatThroat Pumps	1640	Phoenix Oil	1532	TitanLiner, Inc.	1722
Amec Foster Wheeler	630	Curia Emergency Services	425	Golden Specialty, Inc.	1347, 1623	Pine	1610	TM Deer Park Services LP	603
AMS, Inc.	1533	Curie Environmental Services	225	Golder Associates, Inc.	1011	Pipeline Packaging	227	Tolunay-Wong Engineers, Inc.	310
Ana-Lab Corp	526	Dade Moeller	1143	Great Plains Analytical Services	807	PollutionTech	1133	Total Support Services, Inc.	424
AnalySys, Inc.	1211	Dakota Software Corporation	602	Green America Recycling	1612	Precision Tracking Solutions, Inc.	825	ToxStrategies, Inc.	527
Antea Group	1443	Daniel B. Stephens & Associates, Inc.	301	Green Stuff Absorbent	1728	ProAct Services Corporation	1034	Trace Analysis	833
Apex TITAN, Inc.	621	DataWing Aerial Analytics LLC	1155	Groundwater and Environmental Services, Inc.	426	Process Combustion Corporation	1541	TRADEBE	707
AQMesh	1547	Davenport Engineering, Inc.	1435	Gruene Environmental	1215	Product Recovery Management	1044	TRC Environmental	321
Aqua Blok Ltd	1210	Defiant Technologies, Inc.	1247	Gulf Coast Environmental Systems	212	Progressive Waste Solutions	1411	Trinity Consultants	1710
Aqua-Tech Laboratories, Inc.	1740	DiSorbo Consulting	210	Half Associates	320	Prominent Systems Inc.	1454	TRS Research Group	1024
Arcadis	1555	DRC Emergency Services	1524	Hanby Environmental	123	Promium	1544	TTI Labs	817
Argus-Hazco	100	Durag Group	112	HDR Engineering	1624	Providence	515	PumpOne Environmental, LLC	1354
Ash Grove Cement Company	1344	Dynamic Rental Systems	1554	Headwaters Resources, Inc.	1127	QED Environmental Systems	941	QED Environmental Systems	941
Babcock & Wilcox MEGTEC	601	E2 ManageTech	610	Heritage Environmental Services	1111	Quality Environmental Containers	1716	Questar Solutions LLC	927
BAIR	1137	EA Engineering, Science, and Technology, Inc., PBC	300	Heritage-Crystal Clean	1243	R3 Industrial	1335	Raba Kistner Environmental, Inc.	1040
Baker Corp	1307	Eagle Remediation & Demolition	715	HPP Corp	827	Radiation Technology, Inc.	1736	Ramboll Environ US Corporation	1226
Banks Environmental Data	712	EarthSoft	1351	Hug Engineering, Inc.	1546	Ranger Analytics Inc.	812	Red Ball Technical Gas Services	1141
Baseline MOCON	101	Eastern Technical Associates	1212	HY-BON/EDI	1249	Ref Industrial System, Inc.	947	Reed Innovations, LLC	1254
Beacon Environmental Services	1539	EcoChem	1611	Hydrokinetics, LLC	906	regAction	1615	Reich Company, Inc	1244
Bealine Environmental Services, Inc.	1628	Ecoserv LLC	404	Impact Marketing	1437	Remedial Construction Services, L.P. (RECON)	1433	Republic Services	1315
Benzol Group	600	EcoVapor Recovery Systems	1355	Integrated Process Resources	1625	Restek Corporation	1026	Rineco Chemical Industries	1207
BIC Alliance	1035	Edge Engineering & Science, LLC	1424	INTERA Incorporated	308	Rosengarten, Smith & Assoc., a Division of 360Factors, Inc.	501	Rosengarten, Smith & Assoc., a Division of 360Factors, Inc.	501
Blackhawk Technology	1523	EDR	943	Intergulf Corporation	1515	RSB Environmental	1444	Saaya Inc	1107
Blackshare Environmental Solutions	216	Element Materials Technology	326	INW, a Division of Seametrics	1627	Sage Environmental	116	San Antonio River Authority	1549
BLR	224	Emission Monitoring Services, Inc. (EMSI)	1036	ION Science, Inc.	120	SET Environmental	1732	SICK, Inc.	323
Braun Intertec	1333	Encino Environmental Services, Inc.	200	J3 Resources, Inc.	530	Sigma-Aldrich	1526	Sigma-Aldrich	1526
Broadbent & Associates, Inc.	304	Enercon Services, Inc.	627	JATCO, Inc.	1350	Site Safe Containment	104	SOS Environmental	1208
Brown Bear Corporation	808	Energy Laboratories	208	JIT Distributing	1025	South Central Chapter of International Erosion Control Association (SCIECA)	1255	Spectrum Water Technology	1447
Buckman	1714	EnSafe Inc.	523	KJE Environmental & Civil Engineering	1726	Speed Field Services, LLC	1451	Spirit Environmental	622
Bureau Veritas North America, Inc.	203	Entact, LLC	809	Koza's, Inc.	1429	Sprint Waste Services, LP	122	Stantec Consulting Services, Inc.	925
Burns & McDonnell	720	Entech Instruments, Inc.	1349	Lab Products, Inc.	1017	Stericycle Environmental Solutions	1121	Sunbelt Industrial Services	1115
BVA Scientific Inc.	125	Enthalpy Analytical, Inc.	1440	Labtopia, Inc.	431	Sutron Corporation-Air Quality Division	115	SWCA Environmental Consultants	620
C.E.M. Solutions	432	Envent Corporation	1242	LCRA Environmental Laboratory Services	929	SWS Environmental Services	607	SWS Environmental Services	607
C4 Environmental Services, LLC	1636	Enviro Clean	1556	Leak Suveys, Inc	1428	TAIT Environmental Services	422	Talon LPE	824
Cactus Environmental Services	1407	Enviro Loo USA by SWSLoo, Inc.	1251	Leggette, Brashears & Graham, Inc	1311	Targa Associates	936	TAS Environmental	937
Cadence Environmental Energy Inc.	1340	Envirocon, Inc.	1510	LEI	1513	Techsas, Inc.	611	TEEX	204
Caliche, Ltd.	1336	Environmental Chemistry, Inc.	1326	Lighthouse Environmental Services, Inc.	1648	TenCate Geotube	924	Terracon Consultants	423
Camsco	1536	Environmental Resource Center	1650	Lighting Resources Texas	626	TestAmerica	1635	Testo Inc.	1537
Cape Environmental Management	631	Environmental Resources Management	316	Lime Association of Texas	1708	TETC/EDMS	525	Tetra Tech, Inc.	717
Carbonair Environmental Systems, Inc.	1634			Living Earth	1012	Texas Board of Professional Engineers	1514	Texas Board of Professional Geoscientists	1312
Cardno	935			Lone Wolf Resources	934	Texas General Land Office	303	Texas Water Development Board	511



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REVIEW AND OPERATING PERMITS**  
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**COMPLIANCE ASSISTANCE  
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**ENVIRONMENTAL QUALITY ALONG  
THE TEXAS BORDER WITH MEXICO**  
WEDNESDAY ONLY  
ROOM 14

**INTRODUCTION TO  
ENVIRONMENTAL REGULATIONS**  
ROOM 18AB

**LAB PRACTICES AND DATA REPORTING**  
ROOM 19A

**OCCUPATIONAL LICENSING**  
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ROOM 15

**OIL AND GAS**  
*(Includes Ethics for Professional Engineers  
and Professional Geoscientists)*  
BALLROOM G

**UNDERGROUND INJECTION CONTROL**  
And  
**RADIOACTIVE MATERIALS  
AND WASTE MANAGEMENT**  
WEDNESDAY ONLY  
ROOM 12AB

**WASTE MANAGEMENT: INDUSTRIAL  
AND HAZARDOUS WASTE AND  
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