



Continuing Education Key for TCEQ Occupational Licenses		
Abbreviation	License	Maximum Hours
W	Water System Operator	10 hours
WW	Wastewater System Operator	10 hours
MSW	Municipal Solid Waste Facility Supervisor	10 hours
LPST	LPST Corrective Action Project Manager	10 hours
UST	UST On-Site Supervisor	10 hours

2018 Environmental Trade Fair & Conference Draft Agenda

Tuesday, May 15

(All speakers are TCEQ staff unless otherwise noted)

Education Tracks	8:30–9:30	10:30–11:30	1:00–2:00	2:15–3:15	4:00–5:00
AIR PERMITTING NEW SOURCE REVIEW AND OPERATING PERMITS	Air Permits Division (APD) Updates/Management Introductions Overview of current APD issues. <i>Mike Wilson, P.E.</i> <i>Level: Basic</i>	Commonly Used Permits by Rule (PBRs)/e-Permitting Requirements Applicability and requirements for more commonly used PBRs and e-Permitting submittal information. <i>Ivan Rivera, Britany Gilman</i> <i>Level: Intermediate</i>	Site Operating Permits (SOPs) - Initial, Revision, and Renewal Applications Explanation of the Title V SOP processes including guidance on accessing NSR authorizations incorporated in SOPs. <i>Brandon Marsh, P.E., Vasant Chaphekar, P.E.</i> <i>Level: Intermediate</i>	New Source Review (NSR) Permits Overview of NSR permitting program and NSR permitting mechanisms. <i>Tony Spinelli, Tony Ionescu, P.E.</i> <i>Level: Intermediate</i>	Prevention of Significant Deterioration (PSD)/Nonattainment (NA) Review/Netting PSD and NA requirements, including offsets and netting examples. <i>Laura Gibson, P.E.</i> <i>Level: Intermediate</i>
AIR QUALITY (TUESDAY ONLY)	Volkswagen Environmental Mitigation Trust and Texas Emissions Reduction Plan Update on funding opportunities to upgrade, repower, or replace vehicles and equipment. <i>Stephen Dayton</i> <i>Level: Basic</i>	NAAQS and Texas Air Quality Updates on the latest Texas air quality planning activities and federal standards. <i>Alison Stokes, Kasey Savanich</i> <i>Level: Basic</i> UST	The State of Air Quality Science - Texas Perspective Overview of current scientific understanding of air quality issues in Texas. <i>Mark J. Estes</i> <i>Level: Intermediate</i>	Texas Emissions Inventory Overview Overview of point and nonpoint source emissions inventory data trends, reporting/development, and related research. <i>Jill Dickey-Hull</i> <i>Level: Intermediate</i>	Toxics Release Inventory Reporting Guidelines and Data Trends Overview of reporting guidelines and data trend analysis for the Toxics Release Inventory program. <i>Danielle Nesvacil</i> <i>Level: Intermediate</i>

Education Tracks	8:30–9:30	10:30–11:30	1:00–2:00	2:15–3:15	4:00–5:00
COMPLIANCE ASSISTANCE AND ENFORCEMENT	Geology of the Edwards Aquifer Geologic assessments for the Edwards Aquifer Protection Program. <i>Dianne Pavlicek-Mesa, P.G.</i> <i>Level: Advanced</i> <i>LPST & UST</i>	TCEQ's Edwards Aquifer Protection Program Overview of TCEQ's Edwards Aquifer Protection Program including a discussion on applicable rules, compliance investigations, and permitting. <i>Todd Jones, P.G.</i> <i>Level: Intermediate</i>	Petroleum Storage Tank Rule Update Overview of revisions to the petroleum storage tank rules. <i>Cynthia Gandee, Lonnie Gilley</i> <i>Level: Intermediate</i> <i>LPST & UST</i>	TCEQ's Response to Hurricane Harvey Part I Discussion of TCEQ's emergency operations before and after Hurricane Harvey landfall. <i>TBD, Warda Omar</i> <i>Level: Basic</i> <i>W / WW / LPST / MSW / UST</i>	TCEQ's Response to Hurricane Harvey Part II Discussion of TCEQ's emergency operations before and after Hurricane Harvey landfall. <i>Brittney Wortham-Teakell, Anthony Buck</i> <i>Level: Basic</i> <i>W / WW / LPST / MSW / UST</i>
INTRODUCTION TO ENVIRONMENTAL REGULATIONS	Revised Total Coliform Rule (RTCR) Compliance guidance for public water systems. <i>Jason Robinson</i> <i>Level: Basic</i> <i>W</i>	Stormwater – CGP Permitting Applicability for construction general stormwater permits. <i>Armando Guevara</i> <i>Level: Basic</i> <i>WW</i>	Stormwater – MSGP Permitting Permitting applicability for multi-sector general stormwater permits. <i>Danielle Cochran</i> <i>Level: Basic</i> <i>WW</i>	Stormwater – Phase II MS4s Permitting requirements for small municipal separate storm sewer systems. <i>Polly Porter</i> <i>Level: Basic</i> <i>WW</i>	NetDMR How to create an account, enter, and submit discharge monitoring Report. <i>Lisa Westbrook</i> <i>Level: Basic</i> <i>WW</i>
LAB PRACTICES AND DATA REPORTING	The NELAC (National Environmental Laboratory Accreditation Conference) Institute Update on the NELAC Institute for 2018. <i>Jerry Parr, The NELAC Institute</i> <i>Level: Basic</i>	Enhanced Hydrocarbon Fingerprinting Discussion of the evolving practice of utilizing chemical fingerprinting on petroleum products and crude oil. <i>Dr. Kesavalu 'Doss' Bagawandoss, J.D., Test America</i> <i>Level: Advanced</i> <i>LPST</i>	The Devil is in the Details—Little Known Details About Selected Methods Specific requirements in some common methods that are frequently overlooked by laboratories. <i>Mike Shephard, Shepherd Technical Services</i> <i>Level: Advanced</i>	Lab and Field Practices that Seemed Like a Good Idea at the Time TNI (The NELAC Institute) 2016—A collection of real-life field and laboratory blunders to provide important lessons learned. <i>Rock Vitale, Environmental Standards, Inc.</i> <i>Level: Intermediate</i> <i>LPST</i>	TCEQ Laboratory Accreditation Program Summary of updates to the TCEQ Accreditation Program followed by a question and answer forum. <i>Ken Lancaster</i> <i>Level: Intermediate</i>
OCCUPATIONAL LICENSING (TUESDAY ONLY)	Vision for the Occupational Licensing Program in Texas	Licensing and Renewal Requirements for Water,	Criminal History Background Checks for all Licenses Overview of TCEQ's criminal history	How to Become a TCEQ-Approved Training Provider Discussion of required items to submit and the	<i>No presentation scheduled</i>

Education Tracks	8:30–9:30	10:30–11:30	1:00–2:00	2:15–3:15	4:00–5:00
	<p>Director's update on the future direction of and recent changes within the Occupational Licensing program. <i>Jaya Zyman, P.E.</i> <i>Level: Basic</i></p> <p>Update on the Licensing Preapproval Process and eApplication Latest on the recently implemented licensing application preapproval requirements and the recently launched online eApplication tool. <i>Linda Saladino</i> <i>Level: Basic</i> <i>W / WW / LPST / MSW / UST</i></p>	<p>Wastewater, MSW, UST, and LPST Specific training, experience, and examination requirements for water and wastewater operators, MSW facility supervisors, UST on-site supervisors, and LPST corrective action program managers. <i>Erwin Madrid</i> <i>Level: Basic</i></p> <p><i>W / WW / LPST / MSW / UST</i></p>	<p>background check process and the factors considered when deciding whether or not to grant a license. <i>Deric Patton</i> <i>Level: Intermediate</i></p> <p>Common Deficiencies and Avoiding Application Processing Delays Overview of what applicants can do to avoid deficiencies and delays in the processing of their Occupational License application. <i>Tamara Calhoun</i> <i>Level: Intermediate</i> <i>W / WW / LPST / MSW / UST</i></p>	<p>approval process for becoming a new TCEQ-approved training provider. <i>Sarita Nazareth</i> <i>Level: Intermediate</i></p> <p>Responsibilities of Approved Training Providers including Audit Preparation Discussion of rules and guidance pertaining to training provider responsibilities and an overview of the audit process for current training providers. <i>Sarita Nazareth</i> <i>Level: Intermediate</i></p>	
OIL AND GAS <i>(INCLUDES ETHICS FOR PROFESSIONAL ENGINEERS)</i>	<p>Oil & Gas Resources and Challenges: Local and Global Perspectives New concepts allow ever increasing access to hydrocarbons, both in Texas and around the world. <i>William A. Ambrose</i> <i>Level: Intermediate</i></p>	<p>Oil & Gas Air Permitting Overview and Updates Overview on Oil and Gas regulations, updates, hot topics, and frequently asked questions. <i>Lillian Hayes</i> <i>Level: Intermediate</i></p>	<p>Office of Compliance and Enforcement Update on Oil and Gas activities in Texas. <i>Susan Jablonski P.E.</i> <i>Level: Intermediate</i></p> <p>Office of Compliance and Enforcement Update on the use of the Self Audit Privilege Act. <i>Bryan Sinclair</i> <i>Level: Intermediate</i></p>	<p>Office of Waste: Waste Management Update on TCEQ's role in Oil and Gas waste management. <i>Chance Goodin</i> <i>Level: Intermediate</i></p>	<p>Texas Board of Professional Engineers – Professional Practice Update / Ethics Updates on Board rule changes within the last year, general updates on Board initiatives, information on enforcement statistics, and the engineering Code of Conduct. <i>David Howell P.E.</i> <i>Level: Basic</i></p>
WASTE MANAGEMENT: INDUSTRIAL & HAZARDOUS WASTE	<p>Industrial & Hazardous Waste (I&HW) Permits Section</p>	<p>Exemptions from Industrial and Hazardous Waste Permitting Requirements</p>	<p>Waste Classification Presentation and Workshop Part 1 Overview of RCRA hazardous and non-</p>	<p>Waste Classification Presentation and Workshop Part 2 Continuation of workshop with</p>	<p>RCRA Requirements for Land-based Units Exploration of RCRA requirements for land-</p>

Education Tracks	8:30–9:30	10:30–11:30	1:00–2:00	2:15–3:15	4:00–5:00
	<p>Overview/Emerging Issues Updates and discussion regarding new impacts to industry. <i>Bob Patton</i> Level: Basic MSW</p>	<p>Description of hazardous waste management activities, units, and facilities exempt from permitting requirements. <i>Chris Shaw</i> Level: Basic MSW</p>	<p>hazardous waste classification. <i>Sheila Meyers</i> Level: Intermediate MSW</p>	<p>examples of recycling, classifying wastes (industrial, municipal, universal, etc.), and generator status. <i>Sheila Meyers</i> Level: Intermediate MSW</p>	<p>based unit waste management. <i>Charles Brown, Michael Pimentel</i> Level: Intermediate MSW</p>
WASTEWATER PERMITTING	<p>Water Quality Division Update Overview of new rules, legislation updates, and initiatives that may impact wastewater, stormwater, and biosolids permits. <i>David Galindo</i> Level: Intermediate</p> <p>Water Quality Division Response to Hurricane Harvey Overview of the Water Quality Division response to Hurricane Harvey. <i>David Galindo, Travis Timm</i> Level: Basic WW</p>	<p>Revisions to the Procedures to Implement the Texas Surface Water Quality Standards Discussion and update on the revisions to the Procedures to Implement the Texas Surface Water Quality Standards. <i>Peter Schaefer</i> Level: Intermediate</p> <p>Whole Effluent Toxicity (WET) Update Updates to the Whole Effluent Toxicity (WET) program. <i>Michael B. Pfeil</i> Level: Intermediate</p> <p>Texas Surface Water Quality Standards Update Overview of the status and proposed revisions to the Texas Surface Water Quality Standards. <i>Joe Martin</i></p>	<p>Water Quality Based Effluent Limits (WQBELs) Determining Water Quality Based Effluent Limits (WQBELs) for wastewater permits. <i>Catherine Grutsch</i> Level: Advanced</p> <p>Chapter 312 Rule Revisions: Administrative & Technical Issues on the Beneficial Use of Biosolids Overview of rule revisions to 30 TAC Chapter 312 Biosolids to clarify the intent of existing requirements, remove inconsistencies, and improve readability. <i>Brian Sierant</i> Level: Intermediate WW</p>	<p>Municipal Wastewater Permits Review of applications for municipal and domestic wastewater permits, draft-permit applications, and draft-permit package-development. <i>Rebecca Moore</i> Level: Intermediate</p> <p>Design Criteria for Domestic Wastewater Treatment Facilities 30 TAC Chapters 217 & 317 Technical design criteria for domestic wastewater treatment facilities including plans and specification review. <i>Louis Herrin, III, P.E.</i> Level: Intermediate WW</p>	<p>TPDES Pre-treatment Program for Publicly Owned Treatment Works (POTWs): Overview & EPA Rule Updates Overview of the pre-treatment program for POTWs and EPA rule updates including dental office rule. <i>Ryan Bucek, Erika Crespo</i> Level: Intermediate</p> <p>Tools for POTWs to Identify Industrial Users Review of POTWs permit applications and tools to identify industrial users. <i>Jessica Alcoser, David James</i> Level: Intermediate WW</p>

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		<i>Level: Intermediate W / WW</i>			
WASTE REMEDIATION <i>(TUESDAY ONLY)</i>	<p>Case Study: Low Cost Solar Powered Non-Aqueous Phase Liquid (NAPL) Recovery System Overview of solar powered skimmer system used successfully at an LPST site in West Texas. <i>Olusola Ayilara, Nate Johnson, Antea USA, Inc.</i> <i>Level: Intermediate</i></p> <p>Dry Cleaner Remediation Program (DCRP) Challenges Remediation technologies with long term effectiveness used to overcome DCRP challenges. <i>Kerry Martin, P.G., Michael Marcon, P.G., InControl Technologies, Inc.</i> <i>Level: Intermediate</i> <i>LPST</i></p>	<p>Revitalization Through Brownfields Overview of the EPA Brownfields Program and the TCEQ Brownfields Program. <i>Amber Howard, EPA Kristy Livingston</i> <i>Level: Basic</i></p>	<p>Institutional Controls for Voluntary Cleanup Program (VCP) sites Discussion of legal descriptions and institutional controls and how they are used at VCP sites. <i>Danielle Lesikar</i> <i>Level: Intermediate</i></p>	<p>Determining Which Releases are Subject to the Texas Risk Reduction Program (TRRP) Overview of determining which releases are subject to TRRP guidance with case studies. <i>Jerry Wick, P.G.</i> <i>Level: Intermediate</i></p>	<p>Information for Texas Professional Geoscientists Discussion of example case studies and potential Texas Professional Geoscientist licensing requirements. <i>Wesley McCoy, Chris Mathewson, Texas Board of Professional Geoscientists</i> <i>Level: Intermediate</i></p>
WATER	<p>Disinfection By-products (DBPs) Operational Evaluation Levels Overview of operational evaluations, how public water systems use them to reduce DBPs. <i>Mia Gonzales</i> <i>Level: Intermediate</i></p>	<p>Can We Help? Resources for Public Water Systems Overview of available assistance for public water systems to include financing, management, and day-to-day operations. <i>Dorothy Young</i></p>	<p>Water Supply Division Response to Hurricane Harvey Overview the Water Supply Division response to Hurricane Harvey. <i>Sean Abels</i> <i>Level: Basic</i></p>	<p>Water Rights Permitting: What Makes an Application Administratively Complete Overview of water rights application review process with permitting, hydrology,</p>	<p>Texas Groundwater Contamination Cases How the Texas Groundwater Protection Committee helps facilitate state agencies' implementation of Texas' groundwater protection policy.</p>

Education Tracks	8:30–9:30	10:30–11:30	1:00–2:00	2:15–3:15	4:00–5:00
	<p>How to Use the Texas Drinking Water Watch Website Overview of the Texas Drinking Water Watch website, accessing information and assistance with compliance. <i>James LaManna</i> Level: Basic</p> <p style="text-align: center;"><i>W</i></p>	<p><i>Level: Basic</i></p> <p>Public Notification: Transparency with your Customers <i>Mike Howell, Kristine Kreig</i> Level: Basic</p> <p style="text-align: center;"><i>W / WW</i></p>	<p>Watermaster Programs in Texas Overview of the Texas Watermaster Program and ongoing basin evaluations. <i>Amy Settemeyer</i> Level: Basic</p> <p style="text-align: center;"><i>W</i></p>	<p>environmental, and conservation. <i>Jennifer Allis, Wyatt Eason, Humberto Galvan, Alisa Patterson</i> Level: Basic</p> <p style="text-align: center;"><i>W</i></p>	<p><i>Leon Byrd, Kathy McCormack</i> Level: Basic</p> <p>Revised Total Coliform Rule (RTCR) Level 1 Assessments Overview of Level 1 assessment process, locating defects, and how to comply with TCEQ's requirements. <i>Alex Hinz, Kasy Stinson</i> Level: Basic</p> <p style="text-align: center;"><i>W</i></p>

2018 Environmental Trade Fair & Conference Draft Agenda

Wednesday, May 16

Education Tracks	8:30–9:30	10:30–11:30	1:00–2:00	2:30–3:30	3:45–4:45
AIR PERMITTING NEW SOURCE REVIEW AND OPERATING PERMITS	Impacts Evaluation Procedure and Navigation of the New Effects Screening Level (ESL) Database Updates on Toxicology Division's impacts evaluation procedure; ESL database; and Modeling and Effects Review Applicability (MERA). <i>Tiffany Bredfeldt, Ph.D., Tracie Phillips, Ph.D., Cheryl Covone</i> <i>Level: Basic</i>	Permit by Rule (PBR) in Conjunction with Existing Authorizations How PBRs are used in conjunction with other existing authorizations. <i>Sabrina Coty-Butler John Bregger</i> <i>Level: Basic</i>	Fugitive Monitoring/Available Programs Requirements and updates on fugitive monitoring and currently available programs. <i>Teresa Hurley, P.E.</i> <i>Level: Intermediate</i>	Emissions Banking and Trading Rule Overview of emissions banking and trading requirements updates. <i>Melissa Ruano</i> <i>Level: Basic</i>	Case Study: Air Permitting in Texas A journey through the air permitting process, from de minimis to a case-by-case permit. <i>Mark McDonald, Jean Shaw, P.E.</i> <i>Level: Intermediate</i>
COMPLIANCE ASSISTANCE AND ENFORCEMENT	Texas Tier II Chemical Reporting Overview of the TCEQ Tier II Chemical Reporting Program including any updates to the program. <i>Hoyt Henry</i> <i>Level: Intermediate</i> <i>W / WW / LPST / MSW / UST</i>	Office of Compliance and Enforcement Update <i>Ramiro Garcia, Jr.</i> <i>Level: Basic</i> <i>W / WW / LPST / MSW / UST</i>	Stormwater Part I Overview of the components in TCEQ stormwater investigations and a discussion of common investigation findings. <i>Jack Higginbotham</i> <i>Level: Intermediate</i> <i>WW</i>	Stormwater Part II Overview of the components in TCEQ stormwater investigations and a discussion of common investigation findings. <i>Jack Higginbotham</i> <i>Level: Intermediate</i> <i>WW</i>	Enforcement Overview Overview of the Enforcement Division's annual enforcement report and a discussion of the Texas Audit Privilege Act. <i>Kimberly Sladek Michael De La Cruz</i> <i>Level: Intermediate</i> <i>W / WW / LPST / MSW / UST</i>
ENVIRONMENTAL QUALITY ALONG THE TEXAS BORDER WITH MEXICO (WEDNESDAY ONLY)	The La Paz Agreement: 35 Years of U.S.- Mexico Border Environmental Protection Environmental protection along the	Greening the Border: The Role of the North American Development Bank Accomplishments of the North American Development Bank, created to finance	Environmental Protection in Tamaulipas: The United Reynosa Example The Tamaulipas environmental agency (SEDUMA) takes	Four TCEQ Regions Sharing One International Border <i>David Ramirez</i> <i>Level: Basic</i>	Environmental Quality along the Texas Border with Mexico <i>Eddie Moderow</i> <i>Level: Basic</i> <i>W / WW / LPST / MSW / UST</i>

Education Tracks	8:30–9:30	10:30–11:30	1:00–2:00	2:30–3:30	3:45–4:45
	U.S.-Mexico border, focusing on Texas and neighboring states. <i>Steve Niemeyer</i> Level: Basic	border environmental infrastructure. <i>Salvador López, North American Development Bank</i> Level: Basic	extraordinary steps to improve the environment in Reynosa. <i>Gilberto Estrella, SEDUMA Tamaulipas</i> Level: Basic		
INTRO TO ENVIRONMENTAL REGULATIONS	ePBR & STEERS How to create a STEERS account & obtain a permit by rule electronically. <i>Jennifer Schmidt</i> Level: Basic	Waste Reduction Policy Act How to comply with the Texas law for pollution prevention planning, called WRPA. <i>Susan Palacheck</i> Level: Basic <i>MSW</i>	Understanding the Enforcement Process Basic explanation of the TCEQ enforcement process. <i>Katy Montgomery</i> Level: Basic <i>W / WW / LPST / MSW / UST</i>	PST Rule Updates Complying with the new PST rules & changes to the compliance notebook. <i>Becky Costigan, Rebekah Stanush</i> Level: Basic <i>LPST & UST</i>	Waste Determination Tool <i>Kristen Fenati</i> Level: Basic
LAB PRACTICES AND DATA REPORTING	PFAS Challenges and Best Practices Focus on polyfluorinated Alkyl Substances (PFAS) with a discussion on nomenclature, structure, chemistry, exposure, and risk. <i>Karla Buechler, Test America</i> Level: Advanced	Aroclors, Homologs and Cogeners – An Evaluation of the Options Available for PCB Analysis A comparison of PCB analysis methods and how each method can best be utilized. <i>Charles Neslund, Eurofins Lancaster Laboratories Environmental, LLC</i> Level: Advanced	Why Isn't My Lab Perfect? Discussion of common problems in a lab and how management can help prevent them. <i>Nan Thomey, Environmental Chemistry, Inc.</i> Level: Intermediate	Drinking Water Laboratory Requirements Review of requirements for laboratories submitting data to the TCEQ's Drinking Water Program. <i>Jessica Hoch</i> Level: Intermediate	<i>No Presentation Scheduled</i>
OIL AND GAS (INCLUDES ETHICS FOR PROFESSIONAL GEOSCIENTISTS)	Oil and Gas Injection Wells: Groundwater Protection and Aquifer Exemption Discussion of groundwater protection practices for oil and gas injection wells, include aquifer exemption. <i>Sean Avitt, Lauryn McFarland, Railroad</i>	Railroad Commission of Texas (RRC): Induced Seismicity <i>Aaron Velasco, Ph.D., Railroad Commission of Texas</i> Level: Intermediate	Railroad Commission of Texas: Brownfields Response Program and Voluntary Cleanup Program Discussion on how the RRC Brownfields Response Program and Voluntary Cleanup Program can assist with the redevelopment of	Railroad Commission of Texas: Preparing an Enforcement Docket Discussion of RRC guidelines for field inspectors and technical staff creating Oil and Gas Legal Enforcement Referrals.	Ethics Training for Professional Geoscientists Laws, regulations, and examples regarding P.G. licenser ethics in Texas. <i>Wesley McCoy P.G. and Christopher Mathewson Ph.D., P.G., P.E., Railroad</i>

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	<i>Commission of Texas Level: Intermediate</i>		abandoned oil and gas sites. <i>Ashely Correll, Railroad Commission of Texas Level: Intermediate</i>	<i>Megan Neal, Melissa Glaze, Railroad Commission of Texas Level: Intermediate</i>	<i>Commission of Texas Level: Basic</i>
UNDERGROUND INJECTION CONTROL & RADIOACTIVE MATERIALS AND WASTE MANAGEMENT (WEDNESDAY ONLY)	<p>Radioactive Materials Division Program Update Updates from the Division. <i>Charles Maguire Level: Basic</i></p> <p>Radioactive Materials Section Update Updates from the Radioactive Materials Section – Radioactive Materials Licensing and Uranium. <i>Bobby Janecka Level: Basic</i></p>	<p>UIC Program Update Update on UIC Program activities and issues in Texas. <i>Lorrie Council, P.G. Level: Basic</i></p> <p>Recent Environmental Challenges and Projections for the Future - Region 6 Perspective Description/analysis of recent environmental challenges for Region 6 and lessons learned; Anticipated future challenges, both technical and resource related. <i>Philip Dellinger, Environmental Protection Agency Level: Basic LPST</i></p>	<p>Geologic Structure Mapping Project in the Northern Texas Panhandle Overview and discussion of a recent geologic structure mapping project in the northern Texas Panhandle. <i>David Murry, P.G., Sean Romito Level: Basic</i></p> <p>What You Need to Know About UIC Class V Applications and Updates Overview of UIC Class V applications and discussion of common issues and how to avoid them. <i>Carol Dye, P.G. Level: Intermediate</i></p>	<p>How Well is Your Well? UIC Class I Well Construction Standards Requirements for drilling, cementing, testing, changes to approved drilling and completion plans, daily communication, and completion reports. <i>Andy Trevino, P.E., Level: Intermediate</i></p> <p>UIC Class I Application Issues and Updates Discussion of common issues with UIC Class I applications and recent application updates. <i>Dan Hannah, P.G. Level: Intermediate</i></p>	<p>Exempt and Low Activity Radioactive Waste Disposal Overview of exemptions and description of regulatory basis for low activity waste disposal at Waste Control Specialists. <i>Bobby Janecka, Hans Weger Level: Intermediate</i></p> <p>Waste Control Specialists (WCS) Update and Overview of Low Activity Waste Disposal Update on operations at WCS site in Andrews County and description of low activity radioactive waste disposal activities. <i>Chris Shaw, M.S. CHP RRPT Level: Intermediate</i></p>
WASTE MANAGEMENT: MUNICIPAL SOLID WASTE	<p>Scrap Tire Management Overview of the Scrap Tire Program and requirements for managing used and scrap tires in Texas. <i>Emilee Bell Level: Basic</i></p>	<p>Economic Impacts of Recycling A study on the current and potential economic impacts of recycling. <i>Scott Pasternak, Burns & McDonnell Level: Basic</i></p>	<p>Development Over a Closed Landfill Discussion on Subchapter T applicability and the associated applications, including new forms. <i>Miki Chilarescu, Elizabeth Lara Level: Intermediate</i></p>	<p>Preparing a Groundwater Sampling and Analysis Plan for a Type I Landfill Overview of the groundwater sampling protocol, constituents' measurements, data evaluation, and</p>	<p>Regional Geology, Hydrogeology, and Subsurface Investigation Methods: Considerations for MSW Landfills in Texas Overview of geology/hydrogeology</p>

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	<i>MSW</i>	<i>MSW</i>	<i>MSW</i>	reporting requirements. <i>Eric Clegg,</i> <i>Iryna Kushnirsky</i> <i>Level: Intermediate</i> <i>MSW</i>	methods and consideration in selection of subsurface investigation methods. <i>Terance Virtue, Eric Clegg</i> <i>Level: Intermediate</i> <i>MSW</i>
WASTEWATER PERMITTING	<p>Reuse of Domestic Reclaimed Water Overview of the Chapter 210 regulations for reuse of treated domestic wastewater. <i>Paul A. Brochi, P.E.</i> <i>Level: Intermediate</i></p> <p>TCEQ's Electronic Permitting (ePermits) for General Permits Overview of electronic permitting (ePermits) for water quality general permits. <i>Radhika Aduri</i> <i>Level: Intermediate</i></p> <p><i>WW</i></p>	<p>Stormwater TPDES Construction General Permit (CGP) Overview of the 2018 Stormwater Construction General Permit (TXR150000) requirements and renewal process. <i>Lindsay Garza</i> <i>Level: Intermediate</i></p> <p>Stormwater TPDES Multi-Sector General Permit (MSGP) Overview of the Multi-Sector General Permit (TXR050000) requirements and impacts to regulated industrial stormwater discharges. <i>Dan Siebeneicher</i> <i>Level: Intermediate</i></p> <p><i>WW</i></p>	<p>TPDES Municipal Separate Storm Sewer System (MS4): Phase II Permit Renewal Overview of the Municipal Separate Storm Sewer System (MS4) program: Phase II General Permit (TXR040000) Renewal. <i>Hanne Nielsen, Rebecca L. Villalba</i> <i>Level: Intermediate</i></p> <p><i>WW</i></p>	<p>TPDES Pretreatment 2017 CWA Methods Update Rule Implementation in TPDES Permitting Overview of the implementation of the final CWA Methods Update Rule. <i>Peter Schaefer, Rebecca L. Villalba</i> <i>Level: Intermediate</i></p> <p>316b Rule Requirements for Cooling Water Intake Structures (CWISs) at Existing Facilities Implementation of Phase II (existing facilities) of the Final Rule for Cooling Water Intake Structure Impingement & Entrainment. <i>Shannon Gibson</i> <i>Level: Intermediate</i></p> <p><i>WW</i></p>	<p>Industrial Wastewater Permits & New 423 Effluent Limitation Guidelines (ELGs) Overview of the industrial wastewater permitting process, including implementation of the new effluent limitation guidelines for steam electric power generating point sources. <i>Mónica Báez</i> <i>Level: Intermediate</i></p> <p>Industrial 210 E Authorizations for Beneficial Reuse Process review on how to obtain 210E authorization to beneficially reuse treated industrial wastewater. <i>Shannon Gibson</i> <i>Level: Intermediate</i></p> <p><i>WW</i></p>
WATER	<p>Water Rights Ownership in Texas Overview of water rights ownership and</p>	<p>Texas Surface Water Quality Standards Update of pending Texas Surface Water</p>	<p>Funding Green Stormwater Infrastructure Funding green stormwater infrastructure</p>	<p>Take of Care of Texas Overview of the Take Care of Texas campaign and simple</p>	<p>Update on the State Flood Assessment Exploring the need for and benefits of statewide flood</p>

Education Tracks	8:30–9:30	10:30–11:30	1:00–2:00	2:30–3:30	3:45–4:45
	<p>usage reporting in Texas. <i>Joe Nicosia</i> <i>Level: Intermediate</i></p> <p>Current Status of the Texas Integrated Report (IR) for the Clean Water Act Sections 305(b) and 303(d). Overview of the integrated report and status of the 2016 and 2018 reports. <i>Andrew Sullivan</i> <i>Level: Basic</i></p> <p><i>W / WW / LPST / MSW / UST</i></p>	<p>Quality Standards revisions and adoption of the 2018 revision. <i>Joe Martin</i> <i>Level: Basic</i></p> <p>Total Maximum Daily Loads (TMDLs) Overview of the Total Maximum Daily Loads (TMDLs). <i>Roger Miranda</i> <i>Level: Intermediate</i></p> <p><i>W</i></p>	<p>and low impact development with a nonpoint source grant. <i>Faith Hambleton</i> <i>Level: Basic</i></p> <p>Galveston Bay Estuary Program: Improving Water Quality One Partnership at a Time. Program overview and highlights of recent water and sediment quality, monitoring, and research achievements. <i>Lisa Marshall</i> <i>Level: Basic</i></p> <p><i>W / WW / LPST / MSW / UST</i></p>	<p>ways to conserve natural resources. <i>Rachel Matvy</i> <i>Level: Basic</i></p> <p>Water Loss, Use, and Conservation. You gave us the data, now what? Overview of TWDB's Loss, Use and Conservation on-line reporting application and accessible reports. <i>John Sutton, Texas Water Development Board</i> <i>Level: Basic</i></p> <p><i>W / WW / LPST / MSW / UST</i></p>	<p>mitigation planning and financial investment. <i>Mindy Conyers, Texas Water Development Board</i> <i>Level: Basic</i></p> <p>Texas Water Development Board Texas statewide mesonet (TexMesonet) program overview and status update Texas Water Development Board Texas statewide mesonet (TexMesonet) program overview and status update <i>Leyon Greene, Texas Water Development Board</i> <i>Level: Basic</i> <i>W / WW / LPST / MSW / UST</i></p>