



Continuing Education Key for TCEQ Occupational Licenses		
Abbreviation	License	Maximum Hours
W	Water System Operator	10
WW	Wastewater System Operator	10
MSW	Municipal Solid Waste Facility Supervisor	10
LPST	LPST Corrective Action Project Manager	9
UST	UST On-Site Supervisor	9

# 2020 Environmental Trade Fair & Conference Draft Agenda

(All speakers are TCEQ staff unless otherwise noted)

Tuesday, May 12

Education Tracks	8:30–9:30	10:30–11:30	1:00–2:00	2:15–3:15	4:00–5:00
<b>AIR PERMITTING: NEW SOURCE REVIEW AND OPERATING PERMITS</b> <i>BALLROOM EF</i>	Introduction to Air Permits Division (APD) Overview and updates of current APD issues. <i>Samuel Short</i> <i>Level: Basic</i>	Introduction to Permits by Rule (PBRs) and Standard Permits Introduction to De Minimis, Permits by Rule, and Standard Permits. <i>Britany Gilman</i> <i>Level: Basic</i>	Introduction to New Source Review (NSR) Permitting Overview of the NSR permitting program and NSR permitting mechanisms. <i>Benjamin Hansen, Ph.D., P.E.</i> <i>Level: Basic</i>	Introduction to Federal Operating Permits (Title V) Overview of the Title V program. <i>Vasant Chaphekar, P.E.</i> <i>Level: Basic</i>	Impacts Analysis Overview of impacts analysis. <i>Dan Jamieson</i> <i>Level: Basic</i>  Toxicology Updates Updates on toxicology analysis. <i>Nnamdi Nnoli, Ph. D</i> <i>Level: Basic</i>
<b>AIR QUALITY</b> <i>TUESDAY ONLY</i> <i>ROOM 19A</i>	Air Grants 101 Funding opportunities under the Texas Emissions Reduction Plan and Texas Volkswagen Environmental Mitigation Program. <i>Michael Wilson, P.E.</i> <i>Level: Basic</i>	NAAQS and Texas Air Quality Update on the latest Texas air quality planning activities and federal standards. <i>Alison Stokes; Kasey Savanich</i> <i>Level: Intermediate</i>	Texas Air Quality: State of the Science Overview of current scientific understanding of air quality issues in Texas. <i>Stephanie Shirley</i> <i>Level: Intermediate</i>	Texas Emissions Inventory Overview of point and nonpoint source emissions inventory data, trends, and reporting/development. <i>Matthew Southard; 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>K. Blake Kidd, Ph.D.</i> <i>Level: Intermediate</i>

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<b>COMPLIANCE ASSISTANCE AND ENFORCEMENT</b> ROOM 17AB	<b>Engine Testing</b> Evaluating stack testing requirements for engines and common issues found in test reports. <i>Jason Baksh</i> Level: Intermediate	<b>Stack Testing</b> Overview on stack test investigations touching on rules and common issues observed by investigators. <i>Banks Miller</i> Level: Intermediate	<b>Environmental Audit Act</b> Guide to the Texas Environmental, Health, and Safety Audit Privilege Act including a discussion on common deficiencies. <i>Michael De La Cruz;</i> <i>Robyn Babyak</i> Level: Advanced	<b>Stormwater Investigations</b> Overview of the components in TCEQ stormwater investigations. <i>Shelley Anderson</i> Level: Advanced	<b>Aggregate Production Operations</b> Overview of TCEQ's APO program including a discussion on applicable rules and compliance investigations. <i>Wallace Myers</i> Level: Advanced
<b>INTRODUCTION TO ENVIRONMENTAL REGULATIONS</b> ROOM 18AB	<b>Emissions Event Reporting in STEERS</b> How to create a STEERS account, enter, and submit an Air Emissions Event report. <i>Scott Dickson</i> Level: Basic	<b>Storm Water - CGP Permitting</b> Applicability for construction general stormwater permits. <i>Brittany Crawford</i> Level: Basic	<b>Storm Water - MSGP Permitting</b> Permitting applicability for multi-sector general stormwater permits. <i>Imelda Pena Sanchez</i> Level: Basic	<b>Storm Water - Phase II MS4s</b> Permitting requirements for small municipal separate storm sewer systems. <i>Kristen Fenati</i> Level: Basic	<b>Developing a Nitrification Action Plan</b> Creating a compliant NAP for public water systems that use chloramines for disinfection. <i>Alex Hinz, Jason Robinson</i> Level: Basic
<b>LAB PRACTICES AND DATA REPORTING</b> ROOM 19B	<b>Performing Beneficial Internal Audits and Management Reviews</b> Discussion of how to thoroughly conduct internal audits and management reviews that benefit the laboratory. <i>Michael Shepherd, Ph.D., Shepherd Technical Services, LLC</i> Level: Intermediate	<b>Emerging Trends in Air Emissions</b> Discussion of innovative technology, emerging contaminants, and lower detection levels. <i>Lara Phelps, US EPA, Office of Research and Development</i> Level: Intermediate	<b>Regulatory Influence on How We Choose Methods, Technology, and Analyses</b> Influence of regulation on methods as they relate to emerging contaminants, qualifiers, and new techniques <i>Judith Morgan, Pace Analytical</i> Level: Intermediate	<b>Navigating MDLs</b> Managing issues such as improper sample collection, instrument limitations, and meeting client's data quality objectives <i>Brian Sparkman, Earth Analytical Sciences, Inc.</i> Level: Basic	<b>TCEQ Update: Question and Answer Session</b> Updates on the Texas Accreditation Program followed by a Q&A panel. <i>Ken Lancaster</i> Level: Intermediate

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<b>ENVIRONMENTAL QUALITY ALONG THE TEXAS BORDER WITH MEXICO</b> <i>TUESDAY ONLY</i> <i>ROOM 15</i>	Protecting Environmental Quality Along the Texas Border with Mexico Overview of Border Affairs environmental programs with binational states. <i>Eddie Moderow, Victor Wong, Pattie De La Cruz</i> <i>Level: Basic</i>	Environmental Protection in Tamaulipas: Residuos Solidos Urbanos en Tamaulipas Overview of the Tamaulipas environmental agency's current initiatives. <i>Gilberto Estrella, SEDUMA Tamaulipas</i> <i>Level: Basic</i>	The Future of Water in Chihuahua, Mexico Overview of surface and ground water usage and governance of federal and state water programs. <i>Alfredo Granados Olivas, Ph.D, Universidad Autónoma de Ciudad Juárez</i> <i>Level: Basic</i>	Environmental Quality Along the Texas Border with Mexico Investigations, enforcement, and compliance assistance in the four TCEQ border regions. <i>Anita Keese</i> <i>Level: Basic</i>	Emergency Preparedness and Colonias in El Paso County Update on emergency preparedness programs and colonias in El Paso County. <i>Paula Flores-Gregg, US EPA</i> <i>Level: Basic</i>
<b>OIL AND GAS</b> <i>(INCLUDES ETHICS FOR PROFESSIONAL GEOSCIENTISTS)</i> <i>BALLROOM G</i>	<b>Untangling the Web: Pipeline Jurisdiction in Texas</b> Identifies categories of pipelines in Texas and the respective laws and agencies that govern them. <i>Natalie Dubiel, Railroad Commission of Texas</i> <i>Level: Intermediate</i>  <b>Groundwater Protection for Oil and Gas Wells</b> Overview of groundwater protection practices at the RRC and integration into oil and gas regulations. <i>James Harcourt, Railroad Commission of Texas</i> <i>Level: Basic</i>	<b>Discharge of Oil and Gas Wastes</b> Overview of the RRC Discharge Program. <i>James Bolton, Railroad Commission of Texas</i> <i>Level: Basic</i>  <b>Fluid Recycling under the RRC</b> Overview of rules, authorizations, and permits pertaining to fluid recycling. <i>Heidi Beyer, Railroad Commission of Texas</i> <i>Level: Basic</i>	<b>Legal Perspective on Oil and Gas Waste Management</b> Discussion of federal versus state jurisdiction of oil and gas wastes and related Commission rules. <i>Jessica Mendoza, Railroad Commission of Texas</i> <i>Level: Intermediate</i>  <b>Railroad Commission's (RRC) Voluntary Cleanup Program (VCP)</b> Introduction to VCP and exploring the differences between the RRC and the TCEQ's programs. <i>Leslie Bruce, Railroad Commission of Texas</i> <i>Level: Basic</i>	<b>HB 2771: Oil and Gas Discharges and Evolving Environmental Regulation at RRC and TCEQ</b> Legal and practical issues related to transfer of discharge permit authority from RRC to TCEQ. <i>David Cooney, Railroad Commission of Texas</i> <i>Level: Intermediate</i>	<b>Ethics Training for Professional Geoscientists</b> Laws, regulations, and examples regarding P.G. licensee ethics in Texas. <i>Becky Johnson, P.G., Texas Board of Professional Geoscientists</i> <i>Level: Basic</i>

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<b>WASTE MANAGEMENT: MUNICIPAL SOLID WASTE</b> ROOM 18CD	<b>Scrap Tire Management in Texas</b> Overview of the Scrap Tire Program and how the Waste Permits Division reviews and manages active registrations. <i>Megan Henson</i> Level: Basic	<b>Medical Waste Management in Texas</b> What Texas requires when conducting medical waste activities. <i>Kristen Hernandez</i> Level: Basic	<b>Recycling Industry in Texas: Current Status &amp; Market Development Initiatives</b> Discussion of the challenges in the recycling industry and the plans for market development. <i>Jordan Fengel, State of Texas Alliance for Recycling</i> Level: Basic	<b>Land Use Over Closed Municipal Solid Waste Landfills</b> How Texas regulates the use of land at closed landfills. <i>Gayatri Bitracanti</i> Level: Basic	<b>Municipal Solid Waste Landfill Liner Construction Requirements</b> Construction quality assurance and quality control do's and don'ts for ensuring liner integrity and peak performance. <i>Ruben Meza</i> Level: Intermediate
<b>WASTEWATER PERMITTING</b> ROOM 16AB	<b>Water Quality Division Update</b> Overview of recent updates to the Water Quality Division. <i>David W. Galindo, WQ Division Director</i> Level: Basic  <b>Procedures to Implement the Texas Surface Water Quality Standards</b> Revisions to the implementation procedures. <i>Peter Schaefer</i> Level: Intermediate	<b>TPDES Pretreatment Program for Publicly Owned Treatment Works (POTWs)</b> Overview of the TPDES pretreatment program and update on important rules, including Dental Office Rule. <i>Jessica Alcoser; Erika Crespo</i> Level: Intermediate	<b>Tools Publicly Owned Treatment Works (POTWs) Can Use to Identify Industrial Users</b> Review of the TPDES permit application components and overview of tools to identify industrial users. <i>Maria Benitez; Erin Darling, Ph.D.</i> Level: Intermediate  <b>Streams and Wetlands: 401 Water Quality Certification &amp; Mitigation Banks in Texas</b> TCEQ's role in the federal 404 permitting process for impacts to streams and wetlands. <i>Brittany Lee</i> Level: Intermediate	<b>Municipal Wastewater Permits</b> Review of applications for municipal wastewater permits, draft permit applications, and draft permit development. <i>Jose Alfonso Martinez III</i> Level: Intermediate  <b>Closure Plans for Municipal Wastewater Treatment Plans (WWTPs)</b> Brief discussion of the closure plan process for Municipal WWTPs. <i>Jose Alfonso Martinez III</i> Level: Basic  <b>Chapter 312 Rule Revisions: Review of the Administrative And Technical issues on beneficial use of sewage sludge</b> Overview of the new biosolid rule revisions and examples of issues. <i>Brian Sierant</i> Level: Basic	<b>Design Criteria for Domestic Wastewater Treatment Facilities 30 TAC Chapter 217</b> Discussion of technical issues and procedures for domestic treatment facilities and collection systems. <i>Baltazar Lucero-Ramirez, P.E.</i> Level: Intermediate  <b>Uses of Domestic Reclaimed Water</b> Overview of the Chapter 210 regulations for reuse of treated domestic wastewater. <i>Lewis C. Herrin III, P.E.</i> Level: Intermediate  <b>Homeland Security Disaster Preparation for Wastewater Treatment Plants</b> Items needed and best management practices for handling disasters. <i>Paul Brochi</i> Level: Basic

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<p><b>WASTE REMEDICATION</b> <i>TUESDAY ONLY</i> <i>ROOM 12AB</i></p>	<p>Understanding and Applying Attenuation Action Levels Under the Texas Risk Reduction Program Rules</p> <p>How to establish and calculate attenuation action levels and understand the limitations for their use.</p> <p><i>Mike Duffin, Ph.D., P.G.</i> <i>Level: Advanced</i></p>	<p>Redeveloping Abandoned Oil and Gas Sites with the Railroad Commission</p> <p>How the RRC Response Program assists with the redevelopment of abandoned oil and gas sites.</p> <p><i>Leslie Bruce, Railroad Commission of Texas</i> <i>Level: Basic</i></p> <p>Revitalization Through TCEQ Brownfields</p> <p>Discussion of TCEQ's Brownfields Program and the benefits of revitalization through redevelopment.</p> <p><i>Phylicia Allen</i> <i>Level: Basic</i></p>	<p>Petroleum Storage Tank (PST) Release Determination Requirements for Suspected Releases</p> <p>Procedure for the evaluation of suspected releases at PST facilities and program updates.</p> <p><i>Frank Clayworth; James Garner</i> <i>Level: Intermediate</i></p>	<p>Calculating Representative Concentrations under the Texas Risk Reduction Program (TRRP) Rules</p> <p>Discussion of representative concentrations in terms of media and current applications.</p> <p><i>Joseph Bell, P.G.</i> <i>Level: Intermediate</i></p> <p>Municipal Setting Designation (MSD) Applications: Avoiding Common Mistakes</p> <p>Practical guidance on successfully completing an MSD application.</p> <p><i>Alayna Goetsch</i> <i>Level: Basic</i></p>	<p>Texas Risk Reduction Program (TRRP) Ecological Risk Assessment (ERA) Tier 1 Exclusion Criteria Checklist</p> <p>TRRP ERA overview with Tier 1 exclusion checklist, reason justification, and expedited stream evaluation discussion.</p> <p><i>Greg Zychowski; Michael Smith</i> <i>Level: Intermediate</i></p>

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<p><b>WATER</b> <i>ROOM 14</i></p>	<p>Customer Service Inspections: The Missing Link in Many Cross-Contamination Programs The importance of Customer Service Inspections (CSI) as the keystone of a good program. <i>Katherine McGlaughlin</i> <i>Level: Intermediate</i></p> <p>Looking for funding and Other Assistance? Meet TWICC! Texas Water Infrastructure Coordination Committee (TWICC) funding and assistance for water and wastewater projects overview. <i>Dorothy Young</i> <i>Level: Basic</i></p>	<p>Public Drinking Water Distribution System Optimization Strategies Road map for optimizing multiple-barrier strategies including sampling, disinfection, cross-connection control, and dead-end main flushing. <i>Charlie Middleton</i> <i>Level: Intermediate</i></p> <p>Current Status of the Texas Integrated Report (IR) for Clean Water Act Sections 305(b) and 303(d) Update on the development and approval of the Integrated Report (IR). <i>Andrew Sullivan</i> <i>Level: Intermediate</i></p>	<p>Holding Your Lab Accountable for Public Water Systems (PWS) The importance of PWS interactions with their laboratories and strategies to ensure laboratory accountability. <i>Lillian Johnson</i> <i>Level: Basic</i></p> <p>Alternative Disinfection: Technologies, Monitoring, and Reporting Overview of Texas Water Infrastructure Coordination Committee (TWICC) funding and assistance for water and wastewater projects. <i>Richard Bosch, Emily Smith</i> <i>Level: Intermediate</i></p>	<p>Texas Surface Water Quality Standards Update on Texas Surface Water Quality Standards revisions. <i>Debbie Miller</i> <i>Level: Intermediate</i></p> <p>The Texas Water Development Board's Texas Water Service Boundary Viewer Information and a live demonstration of the TWDB's Texas Water Service Boundary Viewer. <i>Braniff Davis, Texas Water Development Board</i> <i>Level: Intermediate</i></p>	<p>No Session Scheduled</p>

# 2020 Environmental Trade Fair & Conference Draft Agenda

(All speakers are TCEQ staff unless otherwise noted)

Wednesday, May 13

Education Tracks	8:30-9:30	10:30-11:30	1:00-2:00	2:30-3:30	3:45-4:45
<b>AIR PERMITTING: NEW SOURCE REVIEW AND OPERATING PERMITS</b> <i>BALLROOM EF</i>	Prevention of Significant Deterioration (PSD)/Nonattainment (NA) Review/Netting Introduction to PSD and NA requirements, including offsets and netting examples. <i>Chris Laughran, P.E.</i> <i>Level: Intermediate</i>	Public Notice and Participation Process Overview of the public notice and participation process. <i>Allison Jackson</i> <i>Level: Basic</i>	Permitting Pitfalls Common issues and errors seen in permitting. <i>Mike Coldiron</i> <i>Level: Basic</i>	Commonly Permitted Facilities Overview of commonly permitted facilities and appropriate permitting strategies. <i>Laura Gibson, P.E.</i> <i>Level: Basic</i>	No Session Scheduled
<b>COMPLIANCE ASSISTANCE AND ENFORCEMENT</b> <i>ROOM 17AB</i>	Emissions Events Overview of TCEQ's requirements for emissions events, including reportable, recordable, and excessive emissions events. <i>Susan Thompson</i> <i>Level: Intermediate</i>	Petroleum Storage Tank Investigations Overview of PST investigations, including applicable rules and common issues observed by TCEQ investigators. <i>Paddi Farmer</i> <i>Level: Intermediate</i>	RCRA Waste Management Units Overview of RCRA waste management units including a discussion on applicable rules and compliance investigations. <i>Veronica Guerrero</i> <i>Level: Advanced</i>	Texas Tier II Chemical Reporting at TCEQ Overview of the TCEQ Tier II Chemical Reporting Program. <i>Hoyt Henry</i> <i>Level: Advanced</i>	NetDMR Update on submitting TPDES Discharge Monitoring Reports through the NetDMR application. <i>Asa Bigham</i> <i>Level: Intermediate</i>

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<b>OCCUPATIONAL LICENSING</b> <i>WEDNESDAY ONLY</i> <i>ROOM 15</i>	Updates Impacting Environmental Occupational Licensing in Texas Update on criminal history reviews and other changes impacting the Occupational Licensing Program. <i>Jaya Zyman, P.E.</i> <i>Level: Basic</i>	Navigating the TCEQ Occupational Licensing Website & Licensing Exam Registration (LEXR) Using the tools on TCEQ's website related to Occupational Licenses. <i>Jenn Grossman; Marc Fuentes; Ashley Robledo;</i> <i>Level: Basic</i>	Occupational Licensing Training Updates and Statistics Discussion of exam development and review, training course availability and opportunities. <i>Laia Robichaux</i> <i>Level: Basic</i>	What Happens After My License Expires? Steps required to renew or re-obtain an occupational license. <i>Shannon Watson</i> <i>Level: Basic</i>	No Session Scheduled
<b>INTRODUCTION TO ENVIRONMENTAL REGULATIONS</b> <i>ROOM 18AB</i>	Electronic Registration for PSTs How to create a STEERS account, register above ground storage tanks, and submit construction notifications. Nathan Weiss, Becca Moore <i>Level: Basic</i>	Waste Reduction Policy Act (WRPA) and RENEW How to comply with the Texas law for pollution prevention planning (WRPA) and the Resource Exchange Network for Eliminating Waste (RENEW) <i>Chris Leahy, Jeff Benavente</i> <i>Level: Basic</i>	Understanding the Enforcement Process Basic explanation of the TCEQ enforcement process. <i>Katy Montgomery</i> <i>Level: Basic</i>	Transient Noncommunity Public Water System Compliance Notebook Overview of the new TNC Compliance Notebook <i>Hailey Davidson</i> <i>Level: Basic</i>	New PST Rules and Compliance Resources Updates on PST related rules and review of available compliance programs and tools. Rebekah Stanush, Rebecca Costigan <i>Level: Basic</i>
<b>LAB PRACTICES AND DATA REPORTING</b> <i>ROOM 19B</i>	Does Laboratory Accreditation Make a Difference? Study discussing lab improvements resulting from accreditation versus assessor identified issues that revealed questionable data. <i>Jerry Parr, The NELAC Institute</i> <i>Level: Basic</i>	Per- and Polyfluoroalkyl Substances Updates on PFAS. <i>Charles Neslund, Eurofins Lancaster Laboratories Environmental, LLC</i> <i>Level: Advanced</i>	Information Gathering When Considering an Alternate Laboratory: A Road Map to Avoid Analytical Pitfalls Overview of three studies intended to provide quantitative information about the potential impacts of changing laboratories. <i>Rock Vitale, Environmental Standards, Inc.</i> <i>Level: Intermediate</i>	The Method Update Rule and Water Quality Permits How the MUR impacts proposed Water Quality Standards and how staff use MALs. <i>Sarah Johnson, Ph. D</i> <i>Level: Basic</i>	Public Water Supply Data Reporting Issues Discussion of frequently seen errors noted in public water supply data submissions. <i>Jessica Hoch</i> <i>Level: Intermediate</i>



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<b>OIL AND GAS</b> <i>(INCLUDES ETHICS FOR PROFESSIONAL ENGINEERS)</i> BALLROOM G	Oil and Gas Permits by Rule and Standard Permits Examples of common projects and issues. <i>James Nolan</i> <i>Level: Basic</i>	The Dark Skies Initiative: A Win-Win Approach Working with the oil and gas industry to curb lighting pollution and improve nighttime visibility. <i>William Wren, The University of Texas McDonald Observatory</i> <i>Level: Basic</i>	Past and Projected Produced Water Volumes in the Permian Basin and Related Management Options Historical (2009-2017) and projected produced water volumes and management strategies. <i>Bridget Scanlon, Qian Yang, Bureau of Economic Geology</i> <i>Level: Intermediate</i>	Update on TCEQ Oil and Gas Regulatory Activities in Texas Overview of TCEQ emissions event requirements. <i>Keith Sheedy</i> <i>Level: Intermediate</i>	Texas Board of Professional Engineers and Land Surveyors: Professional Practice Update and Ethics Updates on engineering ethics and Code of Conduct, rule and statutory changes, and Board activities and initiatives. <i>Virginia Essary, P.E., Texas Board of Professional Engineers</i> <i>Level: Basic</i>
<b>TOXICOLOGY UPDATES</b> <i>WEDNESDAY ONLY</i> ROOM 12AB	Toxicology, Risk Assessment, and Research Division Update Highlights of ongoing and upcoming projects, risk assessments, and research. <i>Michael Honeycutt, Ph.D.</i> <i>Level: Basic</i>	Scientific Issues in the Regulatory Assessment of Ethylene Oxide Cancer Risk Discussion of key data, modeling issues and risk predictions, endogenous doses, and scientific weight-of-evidence. <i>Joseph (Kip) Haney, MS</i> <i>Level: Advanced</i>	Per- and Polyfluoroalkyl Substances (PFAS): A Health Effects and Regulatory Perspective PFAS toxicology, explanation of regulatory values, and contamination in Texas. <i>Lalita Shrestha, Ph.D.</i> <i>Level: Intermediate</i>	Refinery Sector Rule Benzene Fence Line Monitoring: A Toxicology Analysis Analysis of refinery benzene fence line monitoring data compared to TCEQ toxicity values. <i>Sabine Lange, Ph.D., DABT</i> <i>Level: Intermediate</i>	Exposure Assessment and Risk Management Using Ambient Air Monitoring Data in the Barnett Shale Assessment of public exposure to chemicals emitted during unconventional shale gas development and production. <i>Tiffany Bredfeldt, Ph.D.</i> <i>Level: Intermediate</i>

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<b>UNDERGROUND INJECTION CONTROL AND RADIOACTIVE MATERIALS AND WASTE MANAGEMENT</b> WEDNESDAY ONLY ROOM 19A	<p><b>Latest Developments in the Radioactive Materials Division</b>            Updates from the division.  <i>Ashley Forbes</i>            Level: Basic</p> <p><b>Radioactive Materials Section Update</b>            Updates on Radioactive Materials program activities.  <i>Ron Thomas</i>            Level: Basic</p> <p><b>Radioactive Waste Classification Explained</b>            Radioactive waste classification from discovery and applications of radioactive materials and nuclear reactor fuel cycle.  <i>Hans Weger</i>            Level: Intermediate</p>	<p><b>UIC Program Update</b>            Update on UIC Program activities and issues in Texas.  <i>Tamara Young</i>            Level: Basic</p> <p><b>What's New for Aquifer Storage and Recovery (ASR) in Texas</b>            Summary of legislative implementation, new projects, and development of ASR guidance.  <i>Lorrie Council, P.G.</i>            Level: Intermediate</p> <p><b>Best Practice Guidance for ASR Operators in Texas</b>            Development of guidance for ASR operators to help mitigate arsenic mobilization and determine recovery efficiency.  <i>Dan Hannah, P.G.</i>            Level: Intermediate</p>	<p><b>How to Prepare a Complete Class I Injection Well Permit Renewal Application</b>            Renewal applications require updated information and operational data typically generated after the initial permit issuance.  <i>Jan Bates, P.E.</i>            Level: Advanced</p> <p><b>UIC Class I Well Construction and Completion Report Requirements and Frequent Deficiencies</b>            Overview of well construction and completion report procedures, notification, technical requirements, and frequent deficiencies encountered.  <i>Andy Trevino, P.E.</i>            Level: Advanced</p>	<p><b>Class V Injection Well Dormant Authorizations Initiative</b>            UIC has focused on updating Class V authorizations that are dormant.  <i>Carol Dye, P.G.</i>            Level: Intermediate</p> <p><b>Class V New and Improved Inventory/ Authorization Form</b>            Summary of the new form and examples of data required for each part.  <i>Bryan Smith, P.G.</i>            Level: Intermediate</p> <p><b>Class V Authorization Requirements</b>            Requirements, including those resulting from the initiative and the new form.  <i>Farhaud Abbaszadeh</i>            Level: Intermediate</p>	<p><b>Review of Restoration and Stability Phases of In-Situ Uranium Mining</b>            Recent case histories (2009-2015) showing TCEQ's determination when restoration is completed.  <i>Fred Duffy, P.G.</i>            Level: Advanced</p>
<b>WASTE MANAGEMENT: INDUSTRIAL AND HAZARDOUS WASTE</b> ROOM 18CD	<p><b>Industrial &amp; Hazardous Waste Program and Rule Updates</b>            Discussion of new impacts to industry and IHW Permits Section updates.  <i>Bob Patton; Jarita Sepulvado</i>            Level: Basic</p>	<p><b>Hazardous Waste Generator Rule Improvements Implementation</b>            Updates on the Hazardous Waste Generator Rule Improvements rulemaking in Texas.  <i>Jarita Sepulvado; Andi Windham</i>            Level: Basic</p>	<p><b>Industrial &amp; Hazardous Waste Program Application Tools and Process Improvements</b>            Update to the IHW application and reporting processes for improved permits and reports.  <i>Chirag Patel</i>            Level: Basic</p>	<p><b>Avoiding Common Public Notice and Administrative Errors in IHW Applications</b>            Overview of requirements and procedures for public notices for various tiers of IHW authorizations.  <i>Gulay Aki, Keiandre McGruder</i>            Level: Basic</p>	<p><b>Waste Classification Overview</b>            RCRA hazardous and non-hazardous waste classification overview.  <i>Mohamad Abdulkader</i>            Level: Basic</p>

Education Tracks	8:30–9:30	10:30–11:30	1:00–2:00	2:30–3:30	3:45–4:45
<b>WASTEWATER PERMITTING</b> ROOM 16AB	<p>Water Quality Based Effluent Limits (WQBELs): How They're Calculated and Tips for Permittees</p> <p>Determining WQBELs for wastewater permits.  <i>Sarah Johnson, Ph.D.</i>            Level: Intermediate</p> <p>Stormwater TPDES Construction General Permit (CGP)(TXR150000)</p> <p>Overview of the permit requirements for construction sites.  <i>Alyssa Cook; Dan Siebeneicher</i>            Level: Basic</p>	<p>Industrial Wastewater Permits</p> <p>Overview of the permitting process including application tips, the review process, and recent updates.  <i>Jaspinder Singh</i>            Level: Intermediate</p> <p>Industrial 210E Authorization for Beneficial Reuse</p> <p>Process review on how to obtain 10E authorization to beneficially reuse treated industrial wastewater.  <i>Thomas Starr, P.E.</i>            Level: Intermediate</p>	<p>Exploring the Options for Land Application of Treated Domestic Wastewater</p> <p>Options for land application of treated domestic wastewater and tips for completing permit applications.  <i>Amanda Pirani; Paul Askenasy, Ph.D., P.E.;</i>  <i>Jose Martinez</i>            Level: Intermediate</p>	<p>TPDES Municipal Separate Storm Sewer System (MS4): Phase II Renewal</p> <p>Overview of the 2019 MS4 Phase II (TXR040000) Renewal and updating of Stormwater Management Programs.  <i>Macayla Coleman; Dan Siebeneicher</i>            Level: Intermediate</p>	<p>Stormwater TPDES Multi-Sector General Permit (MSGP): Overview and Renewal Update</p> <p>Overview of the permit requirements for industrial facilities and renewal of the 2021 MSGP (TXR050000).  <i>Hanne Nielsen; Macayla Coleman</i>            Level: Intermediate</p>
<b>WATER</b> ROOM 14	<p>Surface Water Rights Transfers</p> <p>Streamlining the transfer process and paperwork.  <i>Megan Brown</i>            Level: Intermediate</p> <p>Water Rights Annual Reports</p> <p>Why reporting matters and what information makes the most impact.  <i>Ryan Jaacks</i>            Level: Intermediate</p>	<p>Watermaster Programs in Texas</p> <p>Overview of the Texas Watermaster Programs and ongoing basin evaluations.  <i>Laurie Gharis, Ph.D.</i>            Level: Intermediate</p> <p>TCEQ Water Rights Viewer</p> <p>Overview of the new TCEQ Water Rights Viewer.  <i>Amy Settemeyer</i>            Level: Intermediate</p>	<p>Funding Surface Water Quality Projects with the Nonpoint Source Grant</p> <p>Do you have questions about Nonpoint Source Grant funding? The new NPS GIS Viewer can help.  <i>Jessica Uramkin, Nicole Hall</i>            Level: Basic</p> <p>Green Infrastructure: A Nature-Based Approach to Improving Stormwater Runoff in the Galveston Bay Watershed</p> <p>Utilizing physical, chemical, and biological principles of nature to improve water quality and quantity.  <i>Christian Rines</i>            Level: Intermediate</p>	<p>The Texas Water Development Board Municipal Water Loss</p> <p>Information on the Texas Water Loss Audit.  <i>Laurie Gehlsen, Texas Water Development Board</i>            Level: Intermediate</p> <p>The Texas Water Development Board Financial Assistance Programs</p> <p>Information on financial assistance programs.  <i>Lee Huntoon, Texas Water Development Board</i>            Level: Basic</p>	No Session Scheduled