

Technical Conference on Environmental Permitting & Construction

CONFERENCE AGENDA

Committee Chair
Heidi Wray, ENSTOR



February 8 - 10, 2022
OMNI HOTEL | Oklahoma City, OK

Tuesday, February 8

- 10:00 a.m. 5:00 p.m. Registration opens | Exhibitor’s begin set-up
- 11:30 a.m. 12:30 p.m. TCECP Planning Committee meeting
- 1:00 p.m. 4:00 p.m. Top Golf activity and networking event
- 5:00 p.m. 6:00 p.m. “Newbie” Welcome Reception

Wednesday, February 9

- 7:30 a.m. 3:00 p.m. Registration Desk and badge pick-up
- 7:00 a.m. 8:00 a.m. Breakfast
- 8:00 a.m. 8:15 a.m. Welcome and opening remarks
- 8:15 a.m. 9:15 a.m. Keynote Address: *The Role of Natural Gas in the Green Economy.* Jill Cooper, Geosyntec Consultants, Inc.
- 9:15 a.m. 9:30 a.m. Networking and refreshment break
- 9:30 a.m. 10:30 a.m. General Session: *Permitting Challenges with RNG Projects* Scott Martin, Burns and McDonnell
- 10:30 a.m. 10:40 a.m. Session transition break
- 10:40 a.m. 11:40 a.m. Session 2

Track A Regulatory and Policy	Track B Planning, Construction and Compliance
<p>FERC; Environmental Justice Challenges Sharon Cannon-Mackey, Burns and McDonnell Jackie Padgett, Accent Compliance</p> <p>Description: This roundtable-style track offers a deeper understanding of how and why environmental justice challenges exist, conditions to improve public outreach and advocacy to overcome known challenges.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Understand how to plan and account for Environmental Justice challenges on pipeline projects. 	<p>What the FRAC? The Squooshy Side of HDD Planning Paul Bearden, HDR</p> <p>Description: Planning beyond the geo-tech and crossing designs. This track adds valuable insight showing the preparation of HDD Contingency Plans that are compliant with FERC’s Guidance for Horizontal Directional Drill Monitoring, Inadvertent Return Response, and contingency planning.</p> <p>Learning Objectives:</p> <p>Learn about FERC’s Guidance for Horizontal Directional Drill Monitoring and how to plan beyond the Geotech and crossing designs. Including:</p> <ul style="list-style-type: none"> • contingency planning, • monitoring during construction, and • inadvertent return response.

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11:40 a.m. 1:00 p.m. Networking Lunch – Exhibit Hall opens

1:00 p.m. 2:00 p.m. Session 3

Track A Regulatory and Policy	Track B Planning, Construction and Compliance
<p>NWPR, CWA, and Regulatory Updates Affecting Permitting and Compliance Scott Flesher, Horizon</p> <p>Description: A panel-style track providing national and region guidance and direction during times of uncertainty.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Understand current implementation issues with NWPR and CWA. • Stay informed of the latest major regulatory updates and how they may impact your organization’s permitting and construction. 	<p>Conveying Solutions for Effective Inspection Programs Jackie Padgett, Accent Compliance; Melissa Dettling, TC Energy</p> <p>Description: This track focuses on principles instill between organizations and third-party construction inspection programs for effective communication. Planning collaboratively improves relationships between contractors and organizations.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Learn applicable methods to improve communications between third-party inspection teams and your organization. • Understand actionable takeaways from process improvement.

2:00 p.m. 2:15 p.m. Session transition break

2:15 p.m. 3:15 p.m. Session 4

Track A Regulatory and Policy	Track B Planning, Construction and Compliance
<p>Does Green Hydrogen Have Brown Infrastructure? Potential Environmental Hurdles Associated With the Development of Green Hydrogen Infrastructure Brian Petermann, POWER Engineers</p> <p>Description: Though the “Green” name was CO₂-based and assigned because of its 100% renewable source of electricity to produce hydrogen, there will be potential environmental impacts for development of the associated Green Hydrogen infrastructure in the US. This session will identify the major Green Hydrogen infrastructure elements, environmental hurdles associated with their development, and considerations before a project’s infrastructure train leaves the station.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Identify infrastructure to be developed. • Learn about potential environmental impacts and hurdles. • Understand which environmental permits and approvals may be needed. 	<p>Fatal Flaw: Project Development Alex Miller, NextEra Energy; Heidi Wray, ENSTOR;</p> <p>Description: Our operator and associate collaborated panel shares what factors are necessary when evaluating a project and why. Experts’ layout what teams should be looking for in consultants for support and guidance to ensure flawless project success.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Gain various operator perspectives on the different factors that go into evaluating a project, consultants, and team culture.

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3:15 p.m. 3:30 p.m. Networking and refreshment break

3:30 p.m. 4:30 p.m. Session 5

Track A Regulatory and Policy	Track B Planning, Construction and Compliance
<p><i>Upstream and Downstream Emission Impacts in the NEPA Energy Project Analysis</i> Jim Bove, King and Spalding Description: A panel-style discussion explores the hurdles of evaluating upstream and downstream emissions and their impacts as a potential greenhouse gas.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Understand how to plan and account for the potential impacts of the upstream to the downstream. 	<p><i>Drones and Artificial Intelligence: Construction Compliance and Restoration Tools</i> David Prall, SWCA; Kyle Marshall, Williams Description: Understand the newest tools available and how to implement drone technology and AI for special projects and ongoing compliance.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Using satellite to capture of two-dimensional images (photograph and near-infrared). • Vegetation Cover Analytics Tool evaluation to track the establishment of vegetation along the pipeline right-of-way. • Utilization of the Vegetation Cover Analytics Tool to systematically document the percentage of vegetative cover within a grid overlay. • Vegetation Cover Analytics Tool output: depicting the condition of vegetation establishment for each of the monthly satellite imaged captured.

4:30 p.m. – 5:00 p.m. Regulatory & Policy Breakout Session | Cultural & Construction Breakout Session

6:00 p.m. – 8:00 p.m. Evening Event

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Thursday, February 10

7:30 a.m. 5:00 p.m. Help Desk open

7:30 a.m. 8:30 a.m. Breakfast

8:30 a.m. 9:30 a.m. Session 6

Track A Regulatory and Policy	Track B Planning, Construction and Compliance
<p>USFWS Leading the Testing and Development of the IPaC CBC Tool Chris Tanner, USFWS; Victoria Foster, USFWS Steve Compton, Tetra Tech</p> <p>Description: USFWS representatives discuss the status of the development and testing, anticipated rollout, and be available to answer questions and receive feedback on how to improve CPB.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> Understand how CPB is intended to be applied to development projects as a replacement to streamline Biological Assessment methods and processes. Know the four-step review process, GIS data input requirements, and best practices. 	<p>Threatened and Endangered Species Permitting Nikki Morgan, Ph.D., HDR; Clay Nichols, U.S. Fish and Wildlife; Christina Prah, On Pointe Consulting</p> <p>Description: Join Dr. Morgan for an overview of the impact of the Eastern Black Rail listing under the Endangered Species Act in Fall 2020. This presentation provides a thorough synopsis of what is known about the Eastern Black Rail, the potential risk to applicants and pending projects, and the unique modeling approach.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> Learn the latest threatened and endangered species updates. Understand information pertaining to the Eastern Black Rail and Lesser Prairie Chicken. Updates from state and federal regulators.

9:30 a.m. 9:45 a.m. Session transition break

9:45 a.m. 10:45 a.m. Session 7

Track A Regulatory and Policy	Track B Planning, Construction and Compliance
<p>Planning for Successful Tribal Nation Outreach Meg Thornton, Mott Macdonald; Mott MacDonald; Matt Tejada, USEPA</p> <p>Description: The Biden administration's increased emphasis on tribal consultations and ethnographic studies for projects with a federal nexus will encourage applicants to engage Tribal Nations early and often. This presentation includes a case study for early tribal engagement through stakeholder communications and developing an outreach strategy.</p>	<p>Failure Is Not An Option – Mitigation Critical Path Considerations for Large Projects Richard Greig, POWER Engineers; Matt Stahman, RES</p> <p>Description: Large and complex projects often come with large and complex mitigation needs. From a Permittee Responsible Mitigation plan to purchasing multiple credits, stipulations and critical liabilities are involved. This session will provide a transparent discussion on mitigation options and the complications that accompany them.</p>

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<p>Learning Objectives:</p> <ul style="list-style-type: none"> • Understand the current regulatory environment regarding tribal outreach. • Understand anticipated FERC requirements. • Develop key messaging. • Community and public affairs. 	<p>Learning Objectives:</p> <ul style="list-style-type: none"> • Understand when in the Project life to pursue mitigation options • Identify which factors matter and why • Develop a mitigation plan with an understanding of the pros and cons
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10:45 a.m. 11:30 a.m. Regulatory & Policy Breakout Session | Cultural and Construction Breakout Session

11:30 a.m. 1:00 p.m. Networking Lunch - Exhibitor Hall remains open until 3:30 p.m.

1:00 p.m. 2:00 p.m. Session 8

Track A Regulatory and Policy	Track B Planning, Construction and Compliance
<p><i>Pipeline Replacement for Navigation Channel Deepening</i> SPEAKER: Christine Magers, HDR Description: Many navigation channels are not adequate for the transport deep-draft vessels. The changing industry and vessel changes require increases to channel depth. Pipelines underneath these navigation channels must be replaced at greater depths to allow for safe dredging operations. This presentation outlines permitting challenges for pipeline replacement projects across navigable channels. We are also discussing NEPA documentation levels, permits, and review processes.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Understand pipeline replacement permitting across navigable channels. • Learn about Section 408 permitting and NEPA documentation levels, permits, and review processes. 	<p>It's Up in The Air – New NSPS Standards Targeting Methane Emissions Speakers: Charlie Barker, WSP; Thomas Sullivan, POWER Engineers Description: This session will review the recent volatility of New Source Performance Standards (NSPS) for crude oil and natural gas facilities (NSPS 0000/0000a) with a focus on how these rule changes impact the industry at both the upstream and midstream segments of the value chain. Proposed NSPS 0000a/b/c changes will also be compared to similar efforts that have been pursued at a state-level.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Identify key rule changes. • Understand the impacts of rule changes. • Learn how proposed rule changes at the federal level compare with efforts at the state level.

2:00 p.m. 2:15 p.m. Session transition break

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2:15 p.m. 3:15 p.m. Session 9

Track A Regulatory and Policy	Track B Planning, Construction and Compliance
<p><i>It's Not Easy Going Green</i> Panel Discussion SPEAKERS: Rebekah Kiss, Dominion Energy; Shauna Aker, Williams; John Zimmer, Epsilon Associates; Kate Murphy, TRC</p> <p>Description: From modifying existing pipeline infrastructure to developing large scale renewable projects, gas transmission organizations have taken varying approaches to address the need to <i>go green</i>. How does implementation of green measures facilitate future expansion and maintenance projects? Join industry experts as they determine the future dynamics between natural gas and renewable energy.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Understand cultural change, ESG, regulatory change and investor expectations 	<p><i>Carbon Management and Project Development</i> SPEAKER: Douglas Gibbons, Mott MacDonald; Daniela Martinez, Mott Macdonald</p> <p>Description: This track reviews trends in carbon management, agency requirements for permitting applications, and how environmental permitting impacts the industry. Practical demonstrations of how carbon management can be used to support the natural gas industry applied.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • What is carbon management and why it is important for the natural gas industry • Discuss key driving forces and trends pertaining to carbon management globally and in the U.S. • Provide an overview of the current U.S. regulatory environment regarding carbon management as it pertains to the natural gas industry.

3:15 p.m.	3:30 p.m.	Networking and refreshment break
3:30 p.m.		Exhibitor's breakdown
3:30 p.m.	4:30 p.m.	General Session: <i>Layman's Guide to Environmental Regulations in the Natural Gas Industry update.</i> Randy Flowers, GES; Alisa Lykens, Insignia
4:30 p.m.	5:00 p.m.	General Session: <i>Recent Development in FERC Permitting Policy and Other FERC Musings.</i> Casey Hollers, Natural Gas Supply Association
5:30 p.m.	7:30 p.m.	Closing Networking Event