



CK Associates has prepared a series of 15 – 20 minute presentations on current environmental topics of interest for the following technical areas.

- Risk Assessment and Remediation
- Solid and Hazardous Waste
- Water Quality
- Ecological Services
- Air Quality

Below is a list of these presentations along with a brief description of each. We would appreciate the opportunity to visit with you and your staff to provide one or two of these presentations.

Risk/Remediation Services Topics

Presentation Title	Brief Description of Presentation
Environmental Due Diligence for Real Property and Other Assets	An overview of environmental due diligence methods including ASTM methods and those specially tailored toward contracts for sale. Includes financial valuation of environmental liabilities and the role of concurrent regulatory compliance evaluations.
Contaminant Migration in Soil and Groundwater	A review of fluids managed by mid-stream oil & gas companies and their behavior in the subsurface.
Overview of Remedial Design and Implementation	An overview of the life of a remediation project including site investigation, design consideration, types of technologies, treatment mechanisms, regulatory process, and implementation strategy.
Keep It In The Ground: In-situ Remedial Technologies	A description of in-situ technologies with emphasis on injection based technologies including bio-remediation and chemical oxidation.
How to Successfully Implement a Remediation Project: Case Studies and Lessons Learned	An outline of what makes a project successful (and not). Includes regulatory and practical considerations and examples.
Plume Stability: MNA and Beyond	How to demonstrate plume stability and implement MNA.
Passive Groundwater Sampling	Types of passive sampling/when is passive sampling appropriate/regulatory acceptance.
Redevelopment and Ready for Reuse	Can your closed RECAP or RCRA site be reused? What are the possibilities and limitations?
LDEQ's VRP	What is VRP? What are the pros and cons of enrolling your site in VRP?
Proposed LDEQ RECAP Revisions	An overview of current draft revisions to RECAP tailored to client's needs. What are the major changes and ramifications?
Practical Closure Strategies for LNAPL	Important considerations to take during a risk based evaluation of LNAPL and closure in place options
Asbestos Containing Materials	What to do if you suspect or find ACM at your facility.
Vapor Intrusion	Revised RECAP approach to enclosed space evaluation; soil gas and indoor air sampling requirements and considerations; remediation
Understanding Human Health Risk Assessment	An overview of the basic terms and methodology used in human health risk assessment.
Understanding Ecological Risk Assessment	An overview of the basic terms and methodology used in ecological risk assessment.
What's New – A Miscellany of Recent and Emerging Contaminants, Technologies, and Regulatory Issues	Emerging contaminants and technology, new/updated chemical toxicological data, recent/pending regulatory issues and ramifications. Can be tailored to client interests.



Solid and Hazardous Waste Topics

Presentation Title	Brief Description of Presentation
Definition of Solid Waste Rule	An overview of the rule which addresses hazardous secondary materials, required documentation on recycling of hazardous secondary materials, and new solid waste variance procedures. Rule scheduled to be promulgated in Louisiana in 2017; Texas in 2016.
Proposed Hazardous Waste Generator Requirements	An overview of the reorganization of the generator rule including areas where the rule is more stringent and areas where the rule is less stringent. Should be finalized by EPA in 2016 and in Louisiana in 2017.
Solid Waste Surface Impoundment/Landfill Permit Renewal Requirements	An outline of the new format, permit renewal requirements, and timeframe of development of application. Work should begin 18 months prior to expiration of application.
Beneficial Use Plans	An overview of how Beneficial Use Plans can allow a facility to reuse contaminated but nonhazardous soil within the facility. LDEQ issued new guidance/format in 2014. The process takes 4-12 months.

Water Quality Topics

Presentation Title	Brief Description of Presentation
316(b)	An overview of Clean Water Act regulations governing cooling water intake structures.
TRE/TIE	An overview of the process used to determine toxicity and sublethal toxicity of vertebrate and invertebrate species.
LPDES Permitting/Compliance	An overview of Clean Water ACT and NPDES program; NPDES permit application process; monitoring and reporting requirements; technology-based effluent limits vs. water quality-based effluent limits; and Storm Water Pollution Prevention Plan requirements.
SWPP/SPCC Plan Training	Developing and training for Storm Water Pollution Plan and state/federal spill plans.
Centralized Waste Treatment for Oil & Gas	Discussion on the possibility of permitting the discharge of produced water generated by unconventional oil and gas exploration activities under the NPDES permitting program following the Centralized Wastewater Treatment (CWT) point source category effluent limitation guidelines (40 CFR 437).
Industrial Pretreatment Permitting	The Clean Water Act (CWA) established a permitting program for industrial facility wastewater discharges to publicly owned treatment works (POTWs) under the General Pretreatment Regulations. Pretreatment permits can save industrial facilities significant treatment costs and can provide municipalities funding through sewer user fees and surcharges. This presentation module provides a summary of the key concepts associated with pretreatment permitting and lessons learned from several pretreatment permitting case histories.

Potable Water Systems	The legislation requires facilities operating under certain standard industrial classification codes (including manufacturers of electric power, pulp and paper, chemicals, plastics, metals, petroleum, etc.) to either color code all potable and non-potable water lines to prevent cross-connections or to conduct cross-connection control surveys every five years.
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Ecological Services Topics

Presentation Title	Brief Description of Presentation
SCAT/Cleanup Endpoints	Provide client with better understanding of the Shoreline Cleanup and Assessment (SCAT) process used by state/federal trustees during oil spill response to characterize oiling conditions and develop specific cleanup methods and endpoints.
WOTUS/Stream Mitigation	An overview of real world economic impacts and ramifications of WOTUS interpretation and stream mitigation requirements.
NRDA	Lessons learned on the Deep Water and Santa Barbara Refugio spills.
Threatened & Endangered Species “things to know”	How to navigate currently listed species, newly listed species, and potential of listings. Review of the Lesser Prairie Chicken (LPC), American Burying Beetle (ABB), and Greater Sage Grouse (GrSG).
American Burying Beetle (ABB)	USFWS regulatory overview, ecology of the species, and how to conduct an impact assessment.
Lesser Prairie-Chicken (LPC)	Species range, federal listing status, legal summary, and conservation options.
Waters of the U.S. Definition Rule	Overview of the definition of what is considered a water of the U.S. according the EPA and USACE.
Ecological Process during the Planning Phase	Summary of typical desktop assessments, waters of the U.S. and threatened and endangered species analyses, and cultural resource studies.

Air Quality Topics

Presentation Title	Brief Description of Presentation
Refinery MACT	An overview of the requirements for fence line monitoring and other enhanced monitoring, compliance, and reporting provisions.
Air Permitting 101	Various air permitting mechanisms and process for permitting your facility. DEQ modifications to existing facilities.
Startup/Shutdown Provisions	Description of what SSM is and what changes are being made by EPA.
AMEL’s for Ground Flares	EPA’s new approval process for Alternative Means of Emission Limitations for Multi-Point Ground Flares.
Emission Inventory Updates	Updates on new or changed requirements regarding annual emissions inventories
Pre-Permitting Meetings	Overview of information needed when attending a pre-permitting meeting with LDEQ or TCEQ.



CK looks forward to the opportunity to present any of the topics listed above or to create a customized presentation for you and your staff. Please contact our office to learn more about these presentations. 225-755-1000

Office Locations:

Baton Rouge, Louisiana

Lake Charles, Louisiana

Shreveport, Louisiana

Houston, Texas