

Risk-Based Decision Making Public Meeting

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CT DEEP Phoenix Auditorium
Hartford, Connecticut

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**CDM
Smith**

Overview

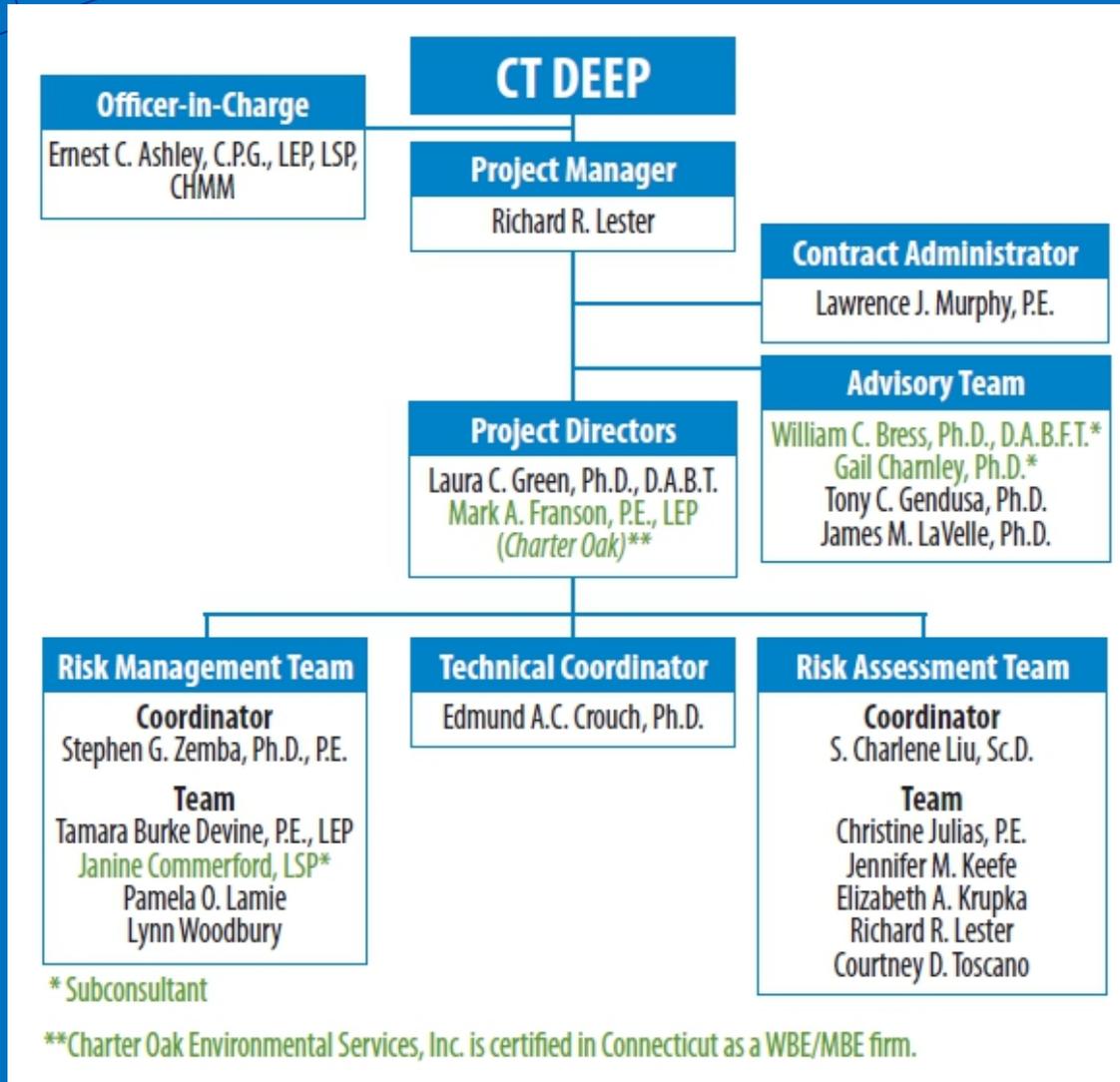
- Introduction to CDM Smith & Project Team
- Project Overview
- Comments and Questions

- The meeting is being recorded
- Meeting minutes will be provided to CT DEEP and the full project team

CDM Smith

- International environmental consulting and engineering firm
- Headquartered in Cambridge, Massachusetts
- 700 staff in New England
 - East Hartford and New Haven offices
- Leaders in risk-based decision making and site evaluation

Project Team



Team Experience

- Team includes risk assessment experts, retired regulators
- Decades of experience in risk-based decision making
- Charter Oak Environmental Services
 - 30 years of experience in remediation
- Hundreds of human health and ecological risk assessments

Project Overview - Scope

- Three main components
 - Assess the existing process in Connecticut for risk-based decision making
 - Identify best practices in human health and ecological risk assessment & risk management
 - Evaluate the extent to which specific characteristics of Connecticut affect best practices

Project Overview – Connecticut Process

- Develop a database to document the CT risk-based remediation process
- Obtain documentation of CT process
- Execute the methodology requested by CT DEEP
- Clarify details with CT DEEP and DPH

Project Overview - Methodology

- How are exposures are defined?
- How are toxic effects determined?
- How are risks estimated?
- How are remedial goals set?
- Roles of the state, local agencies, and public?
- Roles of regulation and guidance?
- Is adaptive management used?

Project Overview - Methodology

- Communication of risk-based decisions
- Determine how remediation practices support risk assessment & management
- Timeliness of agency response
- Accessibility of documentation
- Feedback mechanisms to regulators
- Mechanisms to update procedures & values
- Flexibility

Project Overview – Best Practices

- Execute methodology for other programs
 - New England states, NY, NJ, five additional states, EPA, DOE, Canada, and EU
- Establish “Best Practices”
 - Consider NAS reports, scientific advisory boards, literature, practices identified

Project Overview – Best Practices

- Determination of a practice as “best” will account for
 - Availability of required source material
 - Transparency
 - Protection of health & the environment
 - Degree of scientific validity and rigor
 - Flexibility in application
 - Use of risk management approaches
 - Ease of implementation

Project Overview

Connecticut-specific characteristics

- Best practices will be examined to determine whether they are compromised by Connecticut-specific characteristics
 - Geographic location
 - Industrial history
 - Physical & geological characteristics
 - Reliance on groundwater & water resources
 - Constitutional barriers

Project Overview – Deliverables

- Draft Report – July 1, 2014
 - Summarize results of study and public comments
- Final Report – 30 days after receiving comments from CT DEEP
- Final Public Meeting – 10 days after Final Report is accepted

Comments and Questions

We seek feedback on the process from stakeholders and interested parties

Thank you for your time and comments.

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