

Agenda

Presented by D. Scott Simonton, PE, Ph.D.

Introduction to Environmental Law and NEPA

Key environmental statutes
Enforcement mechanisms (fines, permits, citizen suits)

The National Environmental Policy Act (NEPA)

Purpose and goals of NEPA
Environmental Impact Assessment (EIA) process
Categorical exclusions and Environmental Assessments (EA)
Environmental Impact Statements (EIS) preparation and review
Public participation in NEPA

Clean Air Act (CAA)

National Ambient Air Quality Standards (NAAQS)
Permitting programs for stationary sources (PSD, Title V)
Mobile source regulations
Air pollution control technologies
Compliance and enforcement strategies

Clean Water Act (CWA)

Water quality standards and point source discharges
National Pollutant Discharge Elimination System (NPDES) permits
Nonpoint source pollution control
Wetlands protection and dredge and fill permits (Section 404)
Spill Prevention, Control, and Countermeasure (SPCC) plans

Resource Conservation and Recovery Act (RCRA)

Hazardous waste identification and classification
Generator requirements and manifesting system
Treatment, Storage, and Disposal Facilities (TSDFs)
Brownfield redevelopment and land remediation
Universal waste management (batteries, electronics, etc.)

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

Superfund program and site identification
Liability for hazardous waste sites (CERCLA “parties”)
Remedial Investigation/Feasibility Study (RI/FS) process
Cleanup standards and technologies
Brownfields revitalization and CERCLA liability

Case Studies and Emerging Issues

Real-world examples of environmental law in action
Emerging environmental issues (e.g., climate change, PFAS)
The role of science and engineering in environmental policy
Future trends in environmental law

Environmental Law for Engineers

Live, Interactive Webinar - Thursday, June 20, 2024

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Learning Objectives

You'll be able to:

Identify key federal environmental protection statutes and learn how they are enforced.

Explore the goals of the National Environmental Policy Act and its relevant procedures.

Examine the air quality standards mandated by the Clean Air Act.

Discuss the National Pollutant Discharge Elimination System (NPDES) developed under the Clean Water Act.

Learn about regulation of hazardous wastes under the Resource Conservation and Recovery Act (RCRA) and the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

Review real-world case studies.



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Get an overview of the environmental law landscape (federal, state, local) and examine regulatory agencies and their roles (e.g., EPA, USACE)

Discuss air pollution control technologies and look at compliance and enforcement strategies

Dive into the Clean Water Act (CWA) and analyze water quality standards and point source discharges

Understand the Resource Conservation and Recovery Act (RCRA) and consider universal waste management and waste storage and treatment facilities

Explore the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) discuss liability for hazardous waste sites

Examine actual case studies and uncover emerging issues, such as climate change and PFAS

Continuing Education Credits

Professional Engineers
6.0 PDHs

(Please refer to specific state rules to determine eligibility.
This course is not approved in New York.)



Webinar Information

Online - Thursday, June 20, 2024

Log into Webinar 8:00 - 8:30 am CDT	Break 12:10 - 12:40 pm CDT
Morning Session 8:30 am - 12:10 pm CDT	Afternoon Session 12:40 - 3:20 pm CDT

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Faculty



D. Scott Simonton, PE, Ph.D.
Professor and Program Coordinator, MS Environmental, Safety and Health Department of Industrial & Mechanical Engineering College of Engineering and Computer Sciences Marshall University

A registered professional engineer in multiple states, Dr. Simonton has over 30 years of experience in environmental engineering and compliance. A USMC and US Army veteran, his professional experience includes state regulatory agencies, regional and national engineering firms, and academia - where he is a Professor of Environmental Safety and Health. Dr. Simonton has served as an expert witness and/or litigation consultant in over 75 cases, and has provided deposition, hearing, and trial testimony in State and Federal Courts.

Credit Information

This webinar is open to the public and is designed to qualify for 6.0 PDHs for professional engineers in most states. Please refer to specific state rules to determine eligibility. This course is not approved in New York.

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Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

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Additional Learning

- Deep Dive into Concrete and Rigid Pavements for Streets, Roads and Parking Areas**
- Thursday, May 30, 2024 | 2:00 - 4:00 pm CDT
- Mississippi River Conference: Environmental, Management and Planning Considerations**
- Thursday, May 30, 2024 | 9:00 am - 4:00 pm CDT
- Using Drones in Construction**
- Thursday, May 30, 2024 | 8:30 am - 4:00 pm CDT
- Advanced HEC-RAS Modeling**
- Friday, May 31, 2024 | 8:30 am - 5:30 pm CDT
- Interior Acoustical Design and Construction**
- Friday, May 31, 2024 | 8:30 am - 4:30 pm CDT
- Preventing and Addressing Construction Defects and Failures**
- Friday, May 31, 2024 | 8:30 am - 5:00 pm CDT
- Understanding the NSPE Engineering Code of Ethics**
- Monday, June 3, 2024 | 11:00 am - 12:00 pm CDT
- How to Design Accessible Parking**
- Wednesday, June 5, 2024 | 10:00 am - 12:00 pm CDT
- Evaluating Eco-Friendly Insulation Options**
- Thursday, June 6, 2024 | 10:00 am - 12:00 pm CDT
- Obtaining Phase 1 and Phase 2 Environmental Site Assessments**
- Monday, June 10, 2024 | 9:00 am - 11:00 am CDT
- Mastering RFQ & RFP Responses: Crafting Winning Proposals**
- Tuesday, June 18, 2024 | 1:00 - 3:00 pm CDT
- Barrier-Free Requirements in Outdoor Spaces**
- Monday, June 24, 2024 | 2:00 - 4:00 pm CDT
- Brownfields Assessments, Grants and Redevelopment Opportunities**
- Tuesday, June 25, 2024 | 10:00 am - 12:00 pm CDT
- Generation Interconnection under the RTO Model and Changes Coming from Order 2023**
- Tuesday, June 25, 2024 | 2:00 - 4:00 pm CDT
- Manure Storage Design, Environmental Impacts, and Impact Mitigation Approaches**
- Wednesday, June 26, 2024 | 9:00 am - 12:15 pm CDT

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