

Oil Spill Behavior, Response, and Planning Training Course Catalog

- 1 hr each Case Histories of the *Urquiola*, La Coruña, Spain; the *Metula*, Strait of Magellan, Chile; *Amoco Cadiz*, France: Major Spills in Coastal Environments with Emphasis on Oil Behavior, Fate, and Cleanup
- 1 hr Case History: The 1993 Tampa Bay Oil Spill: Example of Cleanup on High-Use Recreational Beaches;
- 1-2 hrs Case History: *Exxon Valdez*: Oil Persistence, Gravel Beaches, Berm Relocation, and Oil Weathering Trends 1989-1997
- 1 hr Case History: Gulf War Oil Spill-Fate and Persistence of Oil in Intertidal Habitats One, Two, and Six Years Post-Spill
- 1 hr Case History: Gulf War Oil Spill Contamination of Nearshore Subtidal Habitats One Year Post-Spill
- 0.5 hr Case History: 1993 Colonial Pipeline Spill into Sugarland Run/ Potomac River: Impacts to Drinking Water, Use of Elastol
- 0.5 hr Case History: Pipeline Spill in the Russian Arctic: Oil Spill Cleanup in Peat Bogs and Streams, 1995-1996
- 0.5 hr Case History: Use of Shoreline Cleaning Agent, Flushing, and Cutting of Heavily Oiled Salt Marshes at the 1996 *Julie N* spill, Portland, Maine
- 1 hr Oil Spills in Freshwater Environments: The No-cleanup Option
- 1 hr Protection and Response Strategies for Rivers
- 1 hr Environmental Sensitivity Mapping Concepts, Products, and Uses
- 1 hr Reach Sensitivity Index: A Sensitivity Mapping Approach for Rivers
- 2 hrs Hands-on ESI Map Exercises
- 0.5 hr Oil Chemistry as Applied to Spilled Oil Behavior and Fate
- 1 hr Introduction to Coastal Environments: Definitions, Origins, Geomorphology, Sediments, and Physical Processes
- 1 hr Behavior, Fate, and Cleanup of Oil on Rocky Shores
- 0.75 hr Behavior, Fate, and Cleanup of Oil on Sand Beaches
- 1 hr Behavior, Fate, and Cleanup of Oil on Gravel and Mixed Sand and Gravel Beaches
- 1 hr Estuaries and Tidal Flats, with Emphasis on Oil Behavior

- 1 hr Oil Behavior, Effects, and Cleanup in Mangroves
- 1 hr Oil Behavior, Effects, and Cleanup in Marshes
- 1 hr *In-situ* Burning Guidelines for Wetlands
- 2 hrs Protection Strategies for Tidal Inlets
- 1.5 hr Open Water Response Strategies: Dispersants - How They Work; Operational Guidelines for Application; Toxicity Issues; Case History of Monitoring a Spill in El Salvador
- 1 hr Mechanical Shoreline Countermeasures: Descriptions of Cleanup Methods, Applicable Shoreline Types, Guidelines for Use, Environmental Effects
- 1.5 hr Role of Shoreline Cleanup Assessment Teams in the Response Organization; Definition, Team Membership, Process
- 1 hr Shoreline Cleanup Assessment Methods: Terminology, Forms, etc.
- 1 hr "How Clean is Clean" and Final Sign-off: Process and Examples
- 0.5 hr Field Photography Guidelines
- 4 hrs Field Trip: Introduction to Field Methods for Shoreline Evaluation; Shoreline Oiling Survey Methods; Describing Sediments; Photography; and Oil Behavior/Cleanup for Coastal Habitats
- 4 hrs Field Trip: Inlet Protection Strategies; Oil Behavior/Cleanup for Coastal Habitats; Wildlife Observations
- 0.5 hr Oil Spill Impacts to Birds
- 0.5 hr Oil Spill Impacts to Mammals
- 0.5 hr Seafood Tainting at Spills
- 1 hr Impacts of Oil on Coral Reef Ecosystems
- 1 hr Conditions Under Which Oil Can Sink
- 0.5 hr Group V Fuel Oils: Sources, Behavior, and Response
- 1 hr Alternative Chemical Oil Spill Treating Agents, with Use of Shoreline Cleaners at the *Morris J. Berman*, San Jacinto, and *Julie N* Spills
- 1 hr Bioremediation for Oil Spill Cleanup
- 2 hrs Shoreline Cleanup Matrix Exercise
- 1 hr Sampling Methods and Guidelines During Oil Spills
- 1 hr Natural Resource Damage Assessments Under OPA 90