



**EBC 9th Annual Ocean Resource Management Conference  
Update on Dredging In New England**

*Special Topics: Boston Harbor and New Bedford Harbor*

Friday, October 9, 2015

CDM Smith  
Boston, Massachusetts

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## **AGENDA**

- 8:00 a.m. Welcome: Payson Whitney**, Chair, EBC Ocean and Coastal Resources Committee  
Vice President, ESS Group, Inc.
- Introduction: Stephanie J. K. Wilson**, Program Chair  
Senior Project Scientist, ESS Group, Inc.
- 8:20 a.m. Update on Federal Navigation Project Dredging in New England**
- Edward G. O'Donnell, Civil Engineer, Chief, Navigation Section  
U.S. Army Corps of Engineers, New England District
- 8:40 a.m. New Bedford Harbor Superfund Site, Progress and Future Challenges**
- Dave Lederer, Remedial Project Manager, Superfund Program  
U.S. Environmental Protection Agency, Region 1
  - Elaine Stanley, Remedial Project Manager, Superfund Program  
U.S. Environmental Protection Agency, Region 1
- 9:10 a.m. Navigational Dredging in New Bedford Harbor**
- Paul Craffey, Section Chief, Superfund Section, Bureau of Waste Site  
Cleanup, Massachusetts Department of Environmental Protection
- 9:30 a.m. Working in New Bedford Harbor**
- Jay A. Borkland, PG, Vice President, Apex Companies, LLC
- 9:50 a.m. Networking Break**
- 10:10 a.m. Boston Harbor Deep Draft Navigation Improvement Project**
- Meghan Quinn P.E., MSCE Project Manager  
U.S. Army Corps of Engineers, New England District
  - Christopher W. Morris, P.E., Senior Maritime Project Manager  
Massachusetts Port Authority
- 10:40 a.m. Massachusetts Bay Industrial Waste Site Restoration Project**
- Alicia Grimaldi, Physical Scientist  
U.S. Environmental Protection Agency, Region 1
- 11:00 a.m. LIS DMMP Overview**
- Lisa Lefkovitz, Senior Research Scientist, Battelle
- 11:15 a.m. Panel Discussion**  
Panel Moderator: Stacy Minihane, Beals and Thomas, Inc.  
Panel members:
- Meghan Quinn, U.S. Army Corps of Engineers
  - Chris Morris, Massachusetts Port Authority
  - Paul Craffey, MA Department of Environmental Protection
  - Alicia Grimaldi, U.S. Environmental Protection Agency
  - Dave Lederer, U.S. Environmental Protection Agency
- 12:00 p.m. Adjourn**

## **PROGRAM CHAIR**

**Stephanie J. K. Wilson**, Senior Project Scientist

ESS Group, Inc.

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Ms. Wilson is a senior marine scientist at ESS Group with over 17 years of experience in the management of marine environmental projects. She has extensive experience in preparing impact assessment documents for both public and private sector clients, particularly involving environmental issues associated with activities in coastal and ocean waters. Ms. Wilson is very familiar with the requirements of and compliance with federal, state, and local laws, regulations, and guidelines for projects conducting in the offshore environment, particularly related to offshore energy development, including National/State Environmental Policy Acts (EA/EIS), Marine Protection Research and Sanctuaries Act, Clean Water Act (including National Pollutant Discharge Elimination System), Coastal Zone Management Act, Water Resources Development Act, Endangered Species Act, Magnuson-Stevens Act, Rivers and Harbors Act, and the Oil Pollution Act. Ms. Wilson has also served as the contract manager and technical lead in support of the USACE NED Dredged Material Management (DAMOS) Program and was responsible for program management, budget maintenance, field team coordination, data analysis, graphics and report generation and review. The DAMOS Program employs bathymetry and sediment-profile imaging surveys, and occasionally sediment coring, sub-bottom profiling, side-scan sonar, and sediment grabs for the purpose of mapping the distribution of dredged material at disposal sites and tracking the recovery of benthic communities as part of the monitoring of aquatic dredged material disposal sites in New England.

## **PANEL MODERATOR**

**Stacy H. Minihane, PWS**, Associate

Beals and Thomas, Inc.

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Stacy is the leader of B+T's Permitting and Environmental Services Discipline and Planning and Permitting Group. She has over 12 years of experience in inland and coastal wetland science, resource area delineation, environmental research and local, state, and federal permitting processes. Stacy is well-versed in wildlife habitat evaluations and natural resource inventories, preparation and oversight of complex environmental and wetland-related reports and permitting documents, and environmental site assessments. She is also a member of her local Conservation Commission, provides project peer review services for various Commissions in Massachusetts, and is active in several state wetland organizations, as well as the international Society of Wetland Scientists. Recently, Stacy has acted as the Professional Wetland Scientist for the Rivers End Salt Marsh Creation and Soil Remediation project on the Acushnet River in New Bedford, which serves as a component of the mitigation for the South Terminal project in New Bedford Harbor.

## **SPEAKERS**

**Jay A. Borkland, PG**, Vice President

Apex Companies, LLC

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Mr. Borkland is Vice President of Apex's Waterways and Renewable Energy business segments. He has over 30 years of experience in dredging waterways, environmental, and marine studies. Mr. Borkland has been one of the chief architects of several Confined Aquatic Disposal (CAD) cell projects in New Bedford, MA, and has been a key member of numerous Dredge Material Management Plan (DMMP) programs. He has characterized sediment and water column conditions for dredging and/or infrastructure projects at hundreds of sites from Antarctica to Canada and is well versed in all marine and dredge project characterization techniques, including: water and sediment sampling and testing for geotechnical and

chemical analysis; imaging and geophysical surveying for bottom and sub-bottom character; marine archeological studies; bathymetric surveys; water column testing; and contaminated sediment treatment and disposal studies. Mr. Borkland also has extensive experience with environmental assessment; contaminated site remediation; hazardous waste regulations; applied geology; and geoengineering. This experience includes design, implementation, and supervision of government and private-sector projects at Superfund Sites, large marine facilities, Hazardous Waste Sites, lakes, ponds, rivers and streams.

**Paul Craffey**, Section Chief, Superfund Section, Bureau of Waste Site Cleanup  
Massachusetts Department of Environmental Protection  
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Paul Craffey is the Section Chief of the Superfund Section for the MassDEP and has worked for the Department since 1987. He was the state project manager on the New Bedford Harbor and Atlas Tack Superfund Sites, and EPA's remedial project manager on the Atlas Tack Superfund Site. Currently, he is the Chair of the New Bedford Harbor Superfund Site State Enhance Remedy Navigational Dredging Committee and coordinates the annual Seafood Monitoring program for EPA.

He has received a Master of Engineering Degree in Environmental Engineering from Penn State University, a MS Degree in Chemical Engineering from the University of Massachusetts, and a BS Degree in Chemical Engineering from Worcester Polytechnic Institute.

**Alicia Grimaldi**, Physical Scientist  
U.S. Environmental Protection Agency, Region 1  
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Ms. Grimaldi is currently a Physical Scientist in the Ocean & Coastal Protection Unit at the United States Environmental Protection Agency (EPA), Region 1 in Boston. She joined the EPA as a permanent employee in 2012 after graduating from the University of Massachusetts at Boston. Her background is in geology & hydrology. Ms. Grimaldi is working on the restoration of the Massachusetts Bay Industrial Waste Site, which includes drafting an Environmental Assessment for the expansion of the Massachusetts Bay dredged material disposal site. Ms. Grimaldi is also the coordinator of the New England beach monitoring program and the invasive species program.

**Dave Lederer**, Remedial Project Manager, Superfund Program  
U.S. Environmental Protection Agency – Region 1  
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Dave Lederer holds a MS in Civil Engineering from UMASS. He has been a Superfund Remedial Project Manager with USEPA's Region I office for 28 years, focusing mostly on sites in Massachusetts. Actions completed on his sites dealt with soils and sediments containing PCBs, VOCs, heavy metals, herbicides, radionuclides, dye manufacturing wastes, and wood treatment compounds. Most recently, Dave has been leading EPA's efforts to construct and utilize Confined Aquatic Disposal cells (or 'CADs') for PCB contaminated sediment at the New Bedford Harbor Superfund Site.

**Lisa Lefkovitz**, Senior Research Scientist  
Battelle  
397 Washington Street, Duxbury, MA 02332  
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Ms. Lefkovitz is currently a Senior Research Scientist with Battelle Memorial Institute. Her background is in environmental chemistry with more than 25 years of experience in the design and management of chemical and biological evaluations of sediments and dredged materials and the fate and transport of

organic and inorganic contaminants in the environment. Ms. Lefkovitz serves as the Program Manager for the U.S. Army Corps of Engineers (USACE) New England District environmental services contract held by Battelle. Ms. Lefkovitz has managed numerous sediment related projects testing dredged material for suitability determinations for offshore sediment disposal, preparing NEPA documents to support dredging related activities, characterizing pre and post dredged conditions to determine the effectiveness of dredging as a remedial option and is actively involved in studies investigating the use of passive samplers for monitoring organic contaminants in aquatic environments. Ms. Lefkovitz is active in the Boston Post of SAME and serves on the Oceans and Coastal Resources Committee of the EBC of New England.

**Christopher W. Morris, P.E.**, Senior Maritime Project Manager

Massachusetts Port Authority

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Mr. Morris has over 10 years of experience in waterways development in the public and private sector.

Mr. Morris is serving as one of the Project Managers at Massport tasked to implement the Boston Harbor Deep Draft Navigational Improvement project with the Army Corps of Engineers. Additionally, Mr. Morris oversees Air Improvement Projects at Massport's Maritime facilities.

**Edward G. O'Donnell**, Civil Engineer, Chief, Navigation Section

U.S. Army Corps of Engineers – New England District

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Education: BS in Civil Engineering, Northeastern University, 1981.

Experience: Thirty two years with the Corps of Engineers working in all aspects of dredging projects and coastal engineering structures throughout New England. Chief of the Navigation Section since 2001. As Navigation Chief responsible for the maintenance of 171 Federally authorized navigation projects from the Canadian border in the north to the New York border in the south. Navigation Section handles predominantly dredging projects but is also responsible for surveying channels to report current depths, identification and removal of obstructions and wrecks, survey and repair of coastal structures (jetties, groins, seawalls), survey and maintenance of Federal beach nourishment projects. The fiscal year 2015 program has over \$100 million dollars in ongoing projects.

**Meghan Quinn, P.E.**, MSCE Project Manager

U.S. Army Corps of Engineers – New England District

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Ms. Quinn has over 10 years of geotechnical engineering and project management experience in the public and private sector. Ms. Quinn is the Corps' Project Manager for Boston Harbor, the Long Island Sound DMMP-PEIS, and New England District Dam-related studies.

**Elaine Stanley**, Remedial Project Manager, Superfund Program

U.S. Environmental Protection Agency – Region 1

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Elaine Stanley holds a BS Biology and a BS in Civil Engineering from UMASS/Amherst. She has been at EPA since 1990, working first in the RCRA enforcement before spending the last 22 years as Remedial Project Manager in EPA's Superfund Program. She has worked on the New Bedford Harbor project since 2007.