



Joint Conference of Harbor Safety Committees and Area Maritime Security Committees

Transcending Boundaries of Effort *Safety • Security • Stewardship*

June 8–10, 2010

Hyatt Regency Jersey City
Jersey City, New Jersey

www.TRB.org/conferences/2010/HSCAMSC



Host Committees

Harbor Safety, Operations, and Navigation Committee of the Port of New York and New Jersey

Area Maritime Security Committee of the Port of New York and New Jersey



Marine Board



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Welcome to the Port of New York and New Jersey!

On behalf of the Harbor Safety, Operations, and Navigation Committee (HSC) and the Area Maritime Security Committee (AMSC) of the Port of New York and New Jersey, we welcome you to the Joint Conference of Harbor Safety and Area Maritime Security Committees.

Much of the work done by the HSCs and AMSCs is either intertwined or potentially one affects the other, hence the motivation for organizing a joint conference. This will be the first of its kind but hopefully one of many.

Our two committees volunteered to host this conference because we believe that the need is essential for these committees to communicate and work together on vital issues that have both security and safety aspects. We hope this year's theme, **Transcending Boundaries of Effort: Safety–Security–Stewardship** and the agenda accurately reflect this effort.

The venue for this year's conference offers the best of the area. Jersey City, besides having one of the best views of New York City, has many fine restaurants and attractions of its own. Mass transit to Manhattan is located just outside the front door of the hotel. And the sights you will see on the Wednesday evening harbor cruise promise to be amazing.

We thank the U.S. Coast Guard and the Transportation Research Board's Marine Board for the time and effort they have spent on conference planning and logistics. Our thanks also go to the program planning committee, panel coordinators, moderators, and speakers for sharing their ideas and expertise. And our thanks go to the conference sponsors who have provided generous support for this event and to the conference exhibitors, whose offerings complement the conference program.

We are sure you will find the conference both informative and enjoyable!

—Bethann Rooney, AMSC Chair
Port Authority of New York and New Jersey

—Andrew McGovern, HSC Chair
Sandy Hook Pilots Association



Photo: U.S. Coast Guard

Welcome

2009 Harbor Safety Committee of the Year Nominees

- Los Angeles–Long Beach Harbor Safety Committee
- Puget Sound Harbor Safety Committee (PSHSC)
- Harbor Safety Committee of San Francisco Bay Region
- Valdez Marine Safety Committee

The 2009 award will be presented and the nominees will be recognized at the Tuesday evening reception. Representatives of these HSCs will speak in the Best Practices, Part I, panel session Tuesday morning.

Harbor Safety Committee of the Year for 2008 The Southeast Texas Waterways Advisory Council

The Southeast Texas Waterways Advisory Council (SETWAC) is hereby recognized as the 2008 Harbor Safety Committee of the Year for significantly improving marine safety in the Southeast Texas maritime area. Throughout 2008, SETWAC faced a number of challenges, tackled a variety of safe navigation initiatives, and further transformed its partnership base into a cohesive stakeholder network.

The greatest challenge was the 2008 hurricane season. The trilogy of storms, Edouard, Gustav, and Ike, placed enormous demands on SETWAC during the pre-storm preparation and post-storm restoration continuum. While the damage and recovery activities associated with Edouard and Gustav paled in comparison with Ike's 20-ft storm surge, SETWAC played a critical role in marshalling private-sector resources to disseminate time-critical information, relay terminal operational statuses, and track recovery assets. SETWAC's just-in-time communications interface with the Port Coordination Team (PCT) was also crucial in the prompt assessment of more than 75 mi of waterways infrastructure and swift restoration of commerce to the nation's largest crude-oil destination port. Indeed, SETWAC's participation in more than two dozen PCT conferences was unprecedented, particularly in light of the mere five-day time span between the end of Gustav and beginning of Ike preparations.

SETWAC's Abandoned and Derelict Vessel subcommittee, in conjunction with the local VTS, cross referenced its hull database of more than 80 vessels to assist in post-storm surveys. This initiative was of utmost importance, given the tow backlog of more than 100 vessels between Lake Charles and West Port Arthur. SETWAC also worked with its stakeholder base to validate all storm-created hazards to navigation from missing fishing vessels to errant containers—a daunting task that quickly mitigated navigational risks.

Beyond the seemingly endless 2008 hurricane season, SETWAC's outreach subcommittee aggressively informed the port community about TWIC enrollment updates and successfully advocated to delay TWIC implementation due to the impact of hurricanes Ike and Gustav. The subcommittee joined forces with its navigation operations counterpart to spearhead an exhaustive effort to address barge congestion throughout the heavily transited Gulf Intercoastal Waterway (GICW) and adjacent channels. This culminated in the development of a barge mooring protocol that reduced breakaways by more than 75%, groundings by 20%, and collisions by 11%—a noteworthy accomplishment, given the 5% increase in vessel tonnage.

Finally, SETWAC's holistic approach to navigation safety engendered a close working relationship with its federally mandated neighbor—HOGANSAC. This permitted SETWAC's constituents to benefit from Brownwater University, resulting in the familiarization of dozens of mariners and Coast Guard personnel with the unique operating conditions throughout the GICW.

The exceptional actions and distinguished service of the Southeast Texas Waterways Advisory Council reflect the strong support and teamwork of both government and industry. The Committee's efforts are most heartily commended and are in keeping with the highest traditions of maritime service and industry.

Conference Sessions

Tuesday, June 8

7:30 a.m.–5:00 p.m.

Registration

7:30 a.m.–8:30 a.m.

Continental Breakfast

9:00 a.m.–10:00 a.m.

OPENING SESSION

Welcome

Bethann Rooney, Chair, Area Maritime Security Committee of the Port of New York and New Jersey
Captain Robert O. O'Brien, U.S. Coast Guard
Andrew McGovern, Chair, Harbor Safety, Operations, and Navigation Committee of the Port of New York and New Jersey

Keynote Address

Richard Larrabee, Director of Port Commerce, Port Authority of New York and New Jersey

10:00 a.m.–10:15 a.m.

Break

10:15 a.m.–11:45 a.m.

Integrating Safety and Security in the Marine Transportation System (MTS)

Rear Admiral Kevin S. Cook, U.S. Coast Guard, *presiding*

After the events of 9/11, safety and security in the MTS took somewhat divergent paths. The focus of this panel will be on realigning the safety and security components of the MTS onto the same heading—one that combines the efforts of safety and security initiatives to build a more efficient and resilient MTS.

Intelligence Coordination Center

Captain Peter Hatch, U.S. Coast Guard Intelligence Coordination Center

Challenges in Mixed Harbor Uses

Curtis D. Thompson, Port of Los Angeles

Marine Spatial Planning

Malcolm J. Williams, U.S. Coast Guard Academy

National Targeting Center Cargo

Catherine J. Fraser, U.S. Customs and Border Protection

12:00 p.m.–1:15 p.m.

Networking Luncheon

1:30 p.m.–3:30 p.m.

Best Practices and Lessons Learned, Part I

Andrew W. McGovern, Sandy Hook Pilots, *presiding*

California Air Resources Board and Low Sulfur Fuels

Joan Lundstrom, San Francisco Harbor Safety Committee
Ted Mar, California Department of Fish and Game

Tuesday, June 8

Tuesday, June 8

Addressing Unintended Consequences Resulting from the Implementation of New Regulations

John Strong, Jacobsen Pilots Service

Harbor Safety Plans—Standards of Care

John Veentjer, Marine Exchange of Puget Sound

New York Harbor Distress Calls Made Easy and PONY MAPS (Port of New York Mapping to Aid Port Safety)

Ed Bacon, A Bacon Yacht Charter

Round Robin Best Practices Discussion

3:30 p.m.—4:00 p.m.

Break and Exhibits

4:00 p.m.—5:30 p.m.

Best Practices and Lessons Learned: Part II

Bethann Rooney, Port Authority of New York and New Jersey, *presiding*

Port Security: New Jersey EMS Planning Initiative

Henry P. Cortacans, New Jersey Emergency Medical Services Task Force

Maritime Tactical Operation Group

David C. Larsen, Maryland Natural Resources Police

Lieutenant Sara A. Wallace, U.S. Coast Guard

Preventive Radiation—Nuclear Detection (PRND): Lessons Learned from the West Coast Maritime Pilot Project

Captain David P. Crowley, U.S. Coast Guard

Round Robin Best Practices Discussion

6:00 p.m.—7:30 p.m.

Welcome Reception and HSC of the Year Award



Photo: U.S. Coast Guard

7:30 a.m.–5:00 p.m.

Registration

7:30 a.m.–8:00 a.m.

Exhibits and Continental Breakfast

8:15 a.m.–9:45 a.m.

MTS Recovery

Ed Kelly, New York Maritime Association, *presiding*

No component of the nation's transportation system, including the MTS, is immune from major disruptions caused by natural or man-made events. The focus of this panel is on the coordination and resources needed to recover the MTS after a major disruption such as a hurricane, flooding, security event, or pollution incident. Panelists will discuss several components of the recovery, focusing on the best practices of each, and how each fits into the overall recovery effort.

M/V Eagle Otome Response

Charles Tweedel, Sabine Pilots Association

Maritime Transportation System Response Unit (MTSRU)

Rear Admiral Roy Nash, U.S. Coast Guard

Commander Wayne Clayborne, U.S. Coast Guard

Salvage Issues

James Calhoun, Bisso Marine

Post-Incident Recovery Issues

Patricia Mutschler, U.S. Army Corps of Engineers

9:45 a.m.–10:15 a.m.

Break and Exhibits

10:15 a.m.–11:45 a.m.

Port Development: Putting Safety and Security Up Front

John F. Tavolaro, U.S. Army Corps of Engineers, *presiding*

Port development has evolved from concerns of land management and environmental protection to include safety and security concerns in the planning and development process. This panel focuses on incorporating safety and security into the overall port development process and involving stakeholders early in the planning process. Topics will include such as waterway planning and access, permitting, land and funding challenges, and stakeholder involvement.

Studying Access Routes to California Seaports

Captain Patrick J. Maguire, U.S. Coast Guard

Strategic Response Planning at the Regional Level—Case Studies from the North Atlantic Region

Linda Monte, U.S. Army Corps of Engineers

Incorporating Safety and Security into the Expansion of the New York Container Terminal: Major Challenges and Issues

James Devine, NY Container Terminal

Dredging Industry's Contributions to Safe and Secure Harbors

William H. Hanson, Great Lakes Dredge and Dock Company

Noon–1:45 p.m.

LUNCHEON

Speaker: Stephen M. Carmel, Senior Vice President, Maersk Line Limited

2:00 p.m.–3:30 p.m.

Access Control

Captain Kevin C. Kiefer, U.S. Coast Guard, *presiding*

Controlling access to port infrastructure and businesses is important in ensuring the safety and security of the MTS; however, limiting access places a burden not only on maritime facilities but also on other aspects of the maritime industry, including merchant mariners, vessel operators, and maritime supply companies (taxis, food deliveries, parts, etc). This panel will address access-control measures for safety and security while balancing the needs of the personnel and organizations.

Legal Aspects of Facility Owner–Operator Responsibility to Facilitate Seafarer Access to Shore Leave: ISPS Code and Domestic Regulation Past and Future

George Alexander Weller, U.S. Coast Guard

Effective Training Programs

Douglas Stevenson, Seamen’s Church Institute

Safety Getting On and Off Ships

Father Sinclair Oubre, North American Maritime Ministry Association

Terminal Operations Perspective

Philip Chase, Sprague Energy Corporation

3:30 p.m.–4:00 p.m.

Break and Exhibits

4:00 p.m.–5:30 p.m.

Ports of Safe Refuge

Frank Fiumano, U.S. Coast Guard, *presiding*

Vessels affected by safety and security incidents as well as environmental and health-related situations need a port of safe refuge. Because a multitude of events can affect a vessel, it is difficult to provide an area of refuge to meet all the needs, especially when it involves multiple jurisdictions, authorities, and stakeholders. This panel addresses the issues involved in creating a port of safe refuge and what elements should be incorporated into the planning process.

Legal Issues Associated with Ports of Safe Refuge

George Alexander Weller, U.S. Coast Guard

CDC and Public Health Issues

Harlem E. Gunness and Paul Edelson, Center for Disease Control and Prevention

Cruise Ships and Proximity to High Population Areas

Kelly R. McKinney, New York City Office of Emergency Management

Cooperation and Coordination in Area Contingency Planning

Jeffrey Slusarz, U.S. Coast Guard

Environmental Issues Associated with Ports of Safe Refuge

Edwin A. Levine, National Oceanic and Atmospheric Administration

6:30 p.m.–10:00 p.m.

Reception and Cruise Aboard the *Atlantica*

The boat will pick up and drop off at the Hyatt Regency Jersey City
Boarding: 6:30 p.m.

7:30 a.m.–8:00 a.m.

Exhibits and Continental Breakfast

8:00 a.m.–9:45 a.m.

Future Research Needs in Port Safety and Security

Thomas H. Wakeman, Stevens Institute of Technology, *presiding*

The importance of the MTS will be even more evident in the future as increased goods and services are provided by the maritime industry. To meet future needs and demands, research and development in the maritime area will need to focus on safety and security as well as increased efficiency and resiliency. The panel will offer perspectives on what is needed in maritime research and development and address how it should be funded, conducted, and implemented.

Department of Homeland Security (DHS) Centers of Excellence

Michael S. Bruno, Stevens Institute of Technology

Port Perspective on Research Needs

Donald Farrell, Los Angeles Port Police

Human Factors Research Needs

Rajiv Khandpur, U.S. Coast Guard

U.S. DOT Research and Innovative Technology Administration (RITA)

Michael G. Dinning, Volpe National Transportation Systems Center

9:45 a.m.–10:15 a.m.

Break and Exhibits

10:15 a.m.–11:45 a.m.

Reaction and Response

USCG Headquarters Response

Rear Admiral Brian M. Salerno, Deputy Commandant for Operations, U.S. Coast Guard, *presiding*



Photo: U.S. Coast Guard

About the Keynote Speakers

Richard M. Larrabee

Richard M. Larrabee is Director of the Port Commerce Department of the Port Authority of New York and New Jersey, where he oversees management and operation of the major marine terminal facilities of the largest port on the East Coast of North America. In 2008, the port handled 88 million tons of cargo and approximately 5.3 million TEUs (twenty-foot equivalent units). These facilities include the Port Newark–Elizabeth Port Authority Marine Terminal complex in Newark and Elizabeth, New Jersey; the Red Hook Container Terminal in Brooklyn, New York; the Howland Hook Marine Terminal in Staten Island, New York; and the Auto Marine Terminal in Jersey City and Bayonne, New Jersey.



Larrabee manages a multibillion-dollar port redevelopment program that includes reinvestment in marine terminal facilities, deepening harbor channels and berths, improving intermodal connections, and protecting sensitive marine environments. The redevelopment program is positioning the Port of New York and New Jersey to accommodate future growth that is projected to double over the next decade and could quadruple by 2040.

Before joining the Port Authority, Larrabee held the rank of Rear Admiral in the United States Coast Guard. He served as Commander First Coast Guard District in Boston, Massachusetts, where he oversaw all Coast Guard operations in the Northeast United States. Over his thirty-two-year Coast Guard career, Larrabee held a variety of operational and staff assignments, including command at sea and shore assignments. He has received two Distinguished Service Medals and three Legion Merit awards.

Larrabee has an MS in Ocean Engineering from the University of Rhode Island and a BS from the United States Coast Guard Academy.

Rear Admiral Kevin S. Cook

Rear Admiral Kevin Cook is currently assigned as the director of prevention policy at the U.S. Coast Guard, where his responsibilities span many of the Coast Guard's marine safety, security, and stewardship missions affecting waterways management, domestic and international shipping, recreational and fishing boats, and port facilities. At the time of his flag officer selection, Cook was serving as chief of staff for the Thirteenth Coast Guard District, Seattle, Washington. In his first flag assignment, he was director of the Operations Command Implementation Team in Portsmouth, Virginia, leading the effort to integrate oversight of all Coast Guard operations into a single Operations Command.



Previous duty assignments include three tours afloat: CGC *Madrona*, as a deck watch officer; CGC *Bittersweet*, as the executive officer; and CGC *Cowslip*, as the commanding officer. Additionally, Cook has had a number of tours ashore. His Coast Guard Headquarters assignments were as a staff engineer in the Hazardous Materials Division, where he later returned as division chief. As such, he served as the Coast Guard's leading policy advisor for commercial transport of hazardous oil, chemical, and liquefied gas cargoes, including duties as a U.S. delegation leader for related work at the International Maritime Organization.

Cook has held a variety of field positions supporting the marine safety, security, and environmental protection mission areas—first as a mid-grade officer at Marine Safety Office, Hampton Roads, Virginia. He was later assigned at Marine Safety Office, Houston–Galveston, Texas, as executive officer and subsequently as commanding officer. There he served as captain of the port for the ports of Houston, Galveston, Texas City, Freeport, and offshore waters. For two years following 9/11, he also directed maritime homeland security operations through command of the regional task unit that included members serving in Coast Guard units and Navy patrol boats spanning from Freeport, Texas, eastward to Lake Charles, Louisiana.

A native of Freehold, New Jersey, Cook graduated from the Coast Guard Academy in 1979, with a BS in ocean engineering. He also earned an MS in chemical engineering from Princeton University. Cook is a 1999 graduate of the U.S. Army War College. In 2003, he was appointed Coast Guard Fellow to Chief of Naval Operations Strategic Study Group. His military decorations include the Legion of Merit, Meritorious Service Medal, Coast Guard Commendation Medal, and Coast Guard Achievement Medal. He was recognized by the National Propeller Club as the Port of Houston Maritime Person of the Year in 2003.

Stephen M. Carmel

Stephen M. Carmel is senior vice president, Maritime Services, at Maersk Line, Limited, where he is responsible for all technical and operating activities. After beginning his career sailing as a deck officer and master, primarily on tankers, he moved on to positions in operations and finance for U.S. Marine Management, Inc., and Maersk Line, Limited.

Carmel earned an MA in Economics and a MBA from Old Dominion University after graduating from the U.S. Merchant Marine Academy in 1979. He is currently a PhD candidate in international studies, with an emphasis on international political economy and a second emphasis on conflict. Carmel is a certified management accountant and is certified in financial management. His research and publishing interests span maritime security, trade, conflict, and arctic regional issues.

Carmel is a 2009 Senior Fellow at the Homeland Security Policy Institute at George Washington University. He is a member of the Chief of Naval Operations Executive Panel, the Board of Directors of the Old Dominion University Research Foundation, and the Marine Board of the National Research Council. He is also a member of the North American Committee for Det Norske Veritas, the Special Committee for Vessel Operations, the American Bureau of Shipping, and the Board of Directors of the Virginia Maritime Association. He is a member of the Frank Batten College of Engineering and Technology Advisory Board; the Advisory Board of the Ship Maintenance, Operation, and Repair Institute; the China Institute; and the Advisory Council of the International Maritime, Ports and Logistics Management Institute at Old Dominion University.

Carmel is also a member of various industry and academic associations, including the Transportation Research Board of the National Academies, the World Affairs Council of Hampton Roads, and the American Economic Association.



Rear Admiral Brian M. Salerno

Rear Admiral Brian M. Salerno assumed duties as the Deputy Commandant for Operations, U.S. Coast Guard Headquarters, Washington, D.C., in May 2010. He oversees the strategic integration of operational missions and the optimization of policy development and mission execution. Salerno was previously the Assistant Commandant for Marine Safety, Security, and Stewardship. He has also served as the Assistant Commandant for Policy and Planning, and as the Director of Inspections and Compliance at Coast Guard Headquarters.

In his roles as Assistant Commandant, Salerno was responsible for developing and promulgating national marine safety, security, and environmental protection doctrine, policy, and regulations, as well as ensuring policy alignment throughout the Coast Guard and among federal and international partners. He also led and oversaw the important work of numerous federal advisory committees, industry–stakeholder partnerships, and international delegations on marine safety, security, and environmental protection.

Salerno was commissioned as an Ensign in December 1976 after attending Coast Guard Officer Candidate School. His assignments have predominantly been in the Coast Guard's marine safety program. He commanded units in Boston, Massachusetts, and San Juan, Puerto Rico, in which he served simultaneously as Captain of the Port; Officer-in-Charge, Marine Inspection; Federal On-Scene Coordinator for oil and hazardous materials releases in the coastal zone; and, following the enactment of the Maritime Transportation Security Act, as Federal Maritime Security Coordinator. Other field assignments include units in Baltimore, Maryland; Port Arthur, Texas; Portland, Maine; and marine safety advisor to the Panama Canal Authority.

Salerno is a 2000 graduate of the U.S. Army War College, with a Masters in Strategic Studies. He is also a graduate of the Naval War College nonresident program, and holds a master's degree in management from the Johns Hopkins University. He is licensed as a master of small passenger vessels.

Salerno's personal military decorations include three Legion of Merit medals, two Meritorious Service medals, two Coast Guard Commendation medals, and the Coast Guard Achievement Medal.



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Liberty Natural Gas

L-3 Communication Systems—East

**New Jersey Maritime Pilot and Docking Pilot
Commission**

**NOAA Navigation Services: CO-OPS and OCS
Rural Domestic Preparedness Consortium**



Photo: U.S. Coast Guard

Niels Aalund
West Gulf Maritime
Association

Jane Akers
U.S. Coast Guard

**George Alexander
(Alex)**
Weller U.S. Coast Guard

David Ambos
U.S. Coast Guard

Jared Angelle
U.S. Coast Guard

Carissa April
U.S. Coast Guard

Paul Arnett
U.S. Coast Guard

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Philip Chase
Sprague Energy Corp

Todd Childers
U.S. Coast Guard

Erin Chlum
U.S. Coast Guard

Tom Chmielewski
The Port Authority of New
York and New Jersey

Paul Church
U.S. Coast Guard

Megan Clifford
U.S. Coast Guard

Daniel Coleman
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Kevin Cook
U.S. Coast Guard

Matthew Cooney
U.S. Coast Guard

Henry Cortacans
EMS Task Force - State
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U.S. Coast Guard

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U.S. Coast Guard

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Company

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U.S. Coast Guard

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William DeLuca
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Robert Demoustes
National Grid

Harvey Dexter
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Larry DiDomenico
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U.S. Coast Guard

Michael Dolan
U.S. Coast Guard

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John Dwyer
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Sara Ellis-Sanborn
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Janet Espino-Young
U.S. Coast Guard

Joseph Farley
Maher Terminals

Adele Fasano
U.S. Customs and Border
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U.S. Coast Guard

Cherrie Felder
Channel Shipyard
Companies

Tracy Ferguson
U.S. Coast Guard

Timothy Ferrie
Marine Society of the City
of New York

Frank Fiumano
U.S. Coast Guard

Brent Fonner
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Roy Ford
U.S. Coast Guard

Salvatore Forgione
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Jon Franquez
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Catherine Fraser
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Dana Goward
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Scot Graham
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Rodger Guest
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Harlem Gunness
Centers for Disease
Control

Kathy Hamblett
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Jeremy Hansen
U.S. Coast Guard

Joseph Hart
U.S. Coast Guard

Lisa Hartley
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Carl Hatfield
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Teresa Hatfield
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Leon Hayward
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Richard Hendrick
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Robert Henry
National Transportation
Safety Board

Susan Henry
U.S. Coast Guard

Carlos Hernandez
U.S. Coast Guard

Collin Hester
U.S. Coast Guard

Jeffrey Hieb
U.S. Coast Guard

Nakeisha Hills
U.S. Coast Guard

Lisa Himber
Maritime Exchange for the
Delaware River and Bay

Steven Hirsch
U.S. Coast Guard

Gregory Hitchen
U.S. Coast Guard

Ron Hobbs
Jefferson County (Texas)
Sheriff's Office

Matthew Hoppe
U.S. Coast Guard

Ron Houck
U.S. Coast Guard

Rick Howard
Consolidated Grain and
Barge

Michael Hunt
U.S. Coast Guard

Gerard Jackson
U.S. Nuclear Regulatory
Commission

DesaRae Janszen
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York Maritime College

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Christine Kimak
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Anthony Lopez
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Joan Lundstrom
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Patrick Maguire
U.S. Coast Guard

Henry Mahlmann
New Jersey Sandy Hook
Pilots Association

James Mahney
U.S. Coast Guard

Theodore Mar
California Department of
Fish and Game

Tom Marian
Buffalo Marine Service,
Inc.

Ed Martin
National Oceanic
and Atmospheric
Administration

Alexander Maza
U.S. Coast Guard

Steve McCulley
Washington State Patrol

Andrew McGovern
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Homeland Security &
Preparedness

Richard McKenna
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Southern California

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Acoustic Technology, Inc.

Madeleine McNamara
U.S. Coast Guard

Keith Merchant
U.S. Coast Guard

Harry Meyer
Area Maritime Security
Committee

Jay Michalczak
U.S. Coast Guard

James Mona
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Ellis Moose
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David Morgan
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Patricia Mutschler
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Patrick Nelson
U.S. Coast Guard

Jon Nelson
CDI Marine Company

Steve Nerheim
U.S. Coast Guard

Robert O'Brien
U.S. Coast Guard

Herb Oertli
U.S. Coast Guard

John Olthuis
New Jersey Sandy Hook
Pilots Association

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Photo: U.S. Coast Guard

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