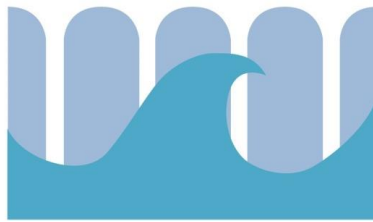


RESPONDING TO EMERGENCIES IN THE ARCTIC 2015

A MARINE BOARD FOCUS SESSION



MARINE BOARD FALL MEETING
NOVEMBER 12, 2015



TRANSPORTATION RESEARCH BOARD
MARINE BOARD

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

PANELISTS

KEYNOTE ADDRESS

Admiral Robert J. Papp, Jr., USCG (Ret.), Special Representative for the Arctic
U.S. Department of State

U.S. COAST GUARD PERSPECTIVE

Vice Admiral Charles D. Michel, Vice Commandant
U.S. Coast Guard

ALASKA PERSPECTIVE

Commissioner Mark Myers, Natural Resources Commissioner
State of Alaska

OIL AND GAS PRODUCER PERSPECTIVE

Rear Admiral Mark Guadagnini, USN, (Ret.)
Shell Oil

VESSEL OPERATOR PERSPECTIVE

Mr. Todd Busch, Sr. Vice President & General Manager Technical Services
Crowley Maritime Corporation



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ISSUES AND QUESTIONS

- **Preparedness/Existing Emergency Response Capability**
 - Polar Code obligations met?
 - Organic response capability
 - Gaps in preparedness and response identified
- **Lessons learned from exercises, accidents and spills**
 - DHS Center of Excellence cruise ship grounding exercise
 - Lessons from *Selendang Ayu* and *Kulluk*
- **Relationships With Neighboring Arctic Nations**
 - Canada – sharing resources
 - Russia
 - Learning lessons from other Arctic Nations
- **Infrastructure**
 - Highest priority investment needs
 - Current plans



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RELATED MARINE BOARD/NAS STUDIES

- Responding to Oil Spills in Arctic Marine Environments (2014)
- Safe Navigation in the U.S. Arctic: A Workshop (2012)
- Risk of Vessel Accidents and Spills in the Aleutian Islands: Designing a Comprehensive Risk Assessment (2009)
- Polar Icebreakers in a Changing World: An Assessment of U.S. Needs (2007)



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NEXT STEPS

- How can the Marine Board help today?
- What technical areas need exploring?
- Are there policy issues that the Marine Board/
National Academies can help inform?



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