

THE NATIONAL

ACADEMIES

Responding to Oil Spills in Arctic Marine Environments

Marine Board Meeting
April 9, 2014

THE NATIONAL ACADEMIES

Advisers to the Nation on Science, Engineering, and Medicine

National Academy of Sciences
National Academy of Engineering
Institute of Medicine
National Research Council

Statement of Task

THE NATIONAL ACADEMIES

Assess current state of the science regarding oil spill response and environmental assessment in the Arctic.

- **Scenarios** – potential oil spill "hot spots"
- **Preparedness** – operating conditions, infrastructure, government and community participation, international cooperation
- **Response and Clean Up** – technologies to detect and track, effectiveness, response strategies, minimizing impacts to wildlife
- **Strategies for Establishing Baselines** – types of baseline information needed, pre-spill strategies, identify sampling and monitoring priorities

Sponsors

THE NATIONAL ACADEMIES

- Bureau of Ocean Energy Management
- U.S. Coast Guard
- National Oceanic and Atmospheric Administration
- American Petroleum Institute
- Bureau of Safety and Environmental Enforcement
- Arctic Research Commission
- Marine Mammal Commission
- Oil Spill Recovery Institute

Committee

THE NATIONAL

ACADEMIES

Martha Grabowski (Chair) - Le Moyne College/
Rensselaer Polytechnic Institute

Tom Coolbaugh - ExxonMobil Research and
Engineering

David Dickins - DF Dickins and Associates, LLC

Richard Glenn - Arctic Slope Regional Corporation

Kenneth Lee - Fisheries and Oceans Canada

Lee Majors - Alaska Clean Seas

Mark Myers - University of Alaska, Fairbanks

Brenda Norcross - University of Alaska, Fairbanks

Mark Reed - SINTEF

Brian Salerno – BIMCO, *resigned June 2013*

Robert Suydam - North Slope Borough

Jim Tiedje - Michigan State University

Mary-Louise Timmermans - Yale University

Peter Wadhams - Cambridge University

Report

THE NATIONAL

ACADEMIES

Report release – April 23

Public webinar – May 12

Dissemination ideas?