Alaska Clean Seas
Operational Overview
Providing oil spill response services to the Alaska North Slope crude oil exploration efforts, producers, the first 275 miles of the Trans Alaska Pipeline System and exploration areas of the OCS of Alaska.
Alaska Clean Seas Membership

- Alyeska Pipeline Service Company
- BP Exploration (Alaska), Inc.
- Brooks Range Petroleum Corporation
- ConocoPhillips Alaska, Inc.
- Eni US Operating Co. Inc.
- ExxonMobil Production Company
- Great Bear Petroleum Operating, LLC
- Hilcorp Alaska, LLC
- Oil Search Alaska
- Savant Alaska
Collaboration and Partnerships

- USCG
- ADEC
- NOAA
- BSEE
- EPA
- USF&WS
- BLM
- ADF&G
- DOD
- North Slope Borough
Most response resources are located in the established oil field areas. Few State and Federal response assets in the area.

North Slope Response Resources

ACS Equipment and Personnel Locations

Legend
- Equipment Cache
- Locations of ACS and NSSRT personnel

Map edited and updated using ACS Technical Manual Volume 2, 03/2012. Updated 01/2019. Equipment locations are approximate, and not all equipment caches are shown. Check with ACS Base or appropriate ACS Lead Technician for current equipment inventory and locations.
Equipment owned and/or operated by ACS, maintained on the North Slope

- Over 309,000 feet of boom (56.8 miles)
- 19,900 feet of Fire Boom (3.7 miles)
- 209 Skimmers (over 49,000 bbls/hr of derated recovery capacity)
- Seven helitorch aerial ignition systems
- 78 vessels; two 125 barrel and twelve 249 barrel mini-barges; one 650 barrel barge; over 230 bladders and folding portable tanks
- Contracts with specialized services, including aerial surveillance and wildlife rehabilitation organizations
Response Personnel

1. ACS Employees and contractors

2. Local plus Regional Resources; North Slope Spill Response Team (NSSRT) through Mutual Aid

3. Auxiliary Contract Response Team (ACRT); Mutual Aid Resources
Contingency Planning

- Identification and protection of environmentally and culturally sensitive areas
- Response resource requirements
- Resource placement, pre-deployment, and infrastructure needs
Drills & Exercises

- Tundra Response Exercises
- Shallow Water Exercises
- Near Shore/Offshore Drills
- Annual Mutual Aid Drills
- Winter Response Drills
- IMT Exercises
NSSRT Training

Advanced Ice Safety and Response Course
CRREL Facility, Hanover, NH

Advanced Oil Spill Responder Course
OHMSETT Facility, Leonardo, NJ
Best Available Technology
R&D Project with ACS, BSEE and CRREL on BSEE Project 1082

ROV used to move oil under ice to a sump cut into the ice for recovery with enhanced rope mop skimmer
Unmanned Aircraft Systems

- Spills and emergency response
- Sensitive area surveys
- Infrastructure inspections
- Training
Collaborative effort of industry, agency and OSRO personnel
Identifies Priority Sites, sensitive areas and specifies tactics and operational procedures
Updated annually
www.alaskacleanseas.org
Applied Tactics

Boom deployed during training at Priority Protection Site
Permits Maintained by ACS

- Alaska Department of Natural Resources Land Use Permits
- Alaska Department of Natural Resources Fish Habitat Permits
- Alaska Department of Fish and Game Bird and Non-Marine Terrestrial Mammal Hazing Permit
- Alaska Department of Fish and Game Mammal Stabilization, Transport & Disposal Permit
- U.S. Fish and Wildlife Service Capture, Salvage and Rehabilitation of Migratory Birds & Raptors Permit
- North Slope Development Oil Spill Emergency Use Permit
- Bureau of Land Management Oil Spill Response Training in NPRA Permit
- Alaska Department of Environmental Conservation Black Smoke Open Burn for In-Situ Burn Training Permit
- Contracts for wildlife support with Alaska SeaLife Center, Alaska Zoo, Pet Stop, and International Bird Rescue
Pathways to Success

- Must maintain safety as a high priority
- Maintain high level of response readiness
- Continue to conduct realistic, demanding training and drills
- Coordinate the efforts and resources of a variety of organizations to ensure success
- Manage the concerns and expectations of local communities through continued outreach and education
- Continue to explore innovative techniques and applications of existing tactics and equipment to the Arctic environment