



ALASKA CLEAN SEAS

yearbook 2012

celebrating ten years no lost time accidents





North Slope Spill Response

WORLD CLASS ORGANIZATION

INDEX

OUR SERVICES

foreward	4-5
about	6
health, safety & environment	7-8
membership	9
response services	10-12
training services	13-17
business	18-19
operations	20-29
the view through the year view mirror	30
acs longevity awards	31
research & development	32-35
acs committees	36
board of directors	37
organization chart	38
management	39
employees	40-49

EQUIPMENT

skimmers	50-51
storage	52-53
vessel/booms	54-55
logistical & miscellaneous/burning	56-57
pumps/centers & units	58-59

CONTACT

contact information	back page
---------------------	-----------

FOREWARD



Ron Morris

President & General Manager

This past year has been another good year for Alaska Clean Seas. We passed another safety milestone on our "Safety Journey", achieving 10 years without a lost time accident and over 3 years since our last recordable. Alaska Clean Sea's employees constantly demonstrate their commitment to safety and continue to explore for opportunities to improve our safety systems. As part of our company celebration we brought in the Contented Cows guys, Richard Hadden and Bill Catlette to provide us with some team building exercises. At the end of the day Richard Hadden gave us "The View Through The Rear View Mirror", a look back at our journey over the past 32 years (re-printed in this yearbook for all to enjoy). To add to the good news from this year's performance, ConocoPhillips recognized Alaska Clean Seas with an HSE Excellence Award for our sustained performance.

Our Co-op membership has changed this year adding two new members, Repsol and Savant, but at the same time we find another, FEX, departing Alaska. Repsol has a very ambitious program starting this winter with Alaska Clean Seas preparing to support their exploration program. Savant has been drilling and began production again on the Badami Unit under a farm-out agreement with BP Alaska, with plans to take over operation of the unit in early 2012. Eni brought in their first oil at the beginning of the year from their Nikaitchuq development. From January to May we saw a great deal of activity at Point Thomson as ExxonMobil was clearing the pad in preparation for their

development plans and working through their permitting for future operations. Brooks Range Petroleum is continuing their drilling project this winter of 2011/2012. Anadarko is planning to conduct well testing this winter too. We look forward to a busy drilling season as we close out 2011.

Alaska Clean Seas was well represented at the International Oil Spill Conference in Portland, Oregon, in May 2011. Alaska Clean Seas employees conducted a well-attended short course on cold weather response, presented papers and posters (with a blue ribbon winner among them), and chaired one of the sessions.

Research and Development has always been a part of our business in striving for improvements in spill response technology. Recent projects have explored new methods for the detection of oil under ice. The Airborne Ground Penetrating Radar project took us to the Corp of Engineers Cold Regions Research and Engineering Laboratory (CRREL) in New Hampshire for an operational test with oil under ice in one of their test tanks.

Our training department has been fully engaged as usual, with a renewed effort to provide ICS training for our members. We returned to the Bureau of Safety and Environmental Enforcement OHMSETT facility in Leonardo, New Jersey, for our North Slope Spill Response Team members. The facility provides an excellent training opportunity to actually use our equipment with oil in the water. From our experience at the CRREL facility for the R & D effort sprang the concept to develop a new training course using their facility to actually train North Slope Spill Response Team members in tactics involving oil under ice. We will be conducting our first course early in 2012.

Every three years our members conduct an audit of our business, looking at financial, accounting and contracting documents as well as operations inventory, and look at our maintenance and training records. These rigorous audits are conducted by a team of trained auditors from our member companies. They comb through a great deal of information in two weeks and assess our business controls. I can proudly state that ACS has been found to be effective and efficient or reliable in all audit areas, in other words we passed! All of the accolades go to our Alaska Clean Seas employees who day in and day out make sure that we conduct our business in accordance with our published policies and procedures.

All of our accomplishments reflect directly on the dedicated Alaska Clean Seas employees. They have had a great year in supporting our co-op members. We can be most proud that our efforts have been done safely, often in harsh environmental conditions. It is a testament to their talents that we are able to provide outstanding spill response services and training. As you turn the pages of this yearbook you will see more detailed information on their truly outstanding year.

HSE EXCELLENCE AWARD



Trond-Erik Johansen, President ConocoPhillips Alaska presenting to Ron Morris, Alaska Clean Seas General Manager an HSE Excellence Award for 2011 for Alaska Clean Seas' sustained superior performance over the last 11 years.

GLOBAL RESPONSE NETWORK

Global Response Network



www.globalresponsenetwork.org

The Global Response Network is a collaboration of seven major oil industry funded spill response organizations whose mission is to harness cooperation and maximize the effectiveness of oil spill response services world wide. Alaska Clean Seas (ACS), Australian Marine Oil Spill Centre (AMOSOC), Clean Caribbean & Americas (CCA), ECRC, Marine Spill Response Corporation (MSRC), Oil Spill Response, and Western Canada Marine Response Corporation (WCMRC) are all members of this network. The GRN recently formed operational teams with the purpose of providing a coordination mechanism for consultative services from the teams, conducting on-going inventories of the latest worldwide major resources, sharing best practices and promoting to improve industry standards, along with monitoring efforts striving for technical advancements in each operational team's areas of emphasis. The operational teams with assigned Alaska Clean Seas employees are: Response Management with Ken Linderman as a team member; Dispersants, In-situ Burning with Lee Majors as the team lead and John Parson as a team member; Off-shore Response with Brian Green as a team member; Near-shore Response with Walt Henry as a team member and Remote Sensing Technology with Chris Hall as a team member. Employees from the various GRN members provide the team leadership and team members.

ABOUT

Alaska Clean Seas (ACS) is a not-for-profit oil spill response cooperative whose current membership includes oil and pipeline companies that engage in or intend to undertake oil and gas exploration, development, production or pipeline transport activities on the North Slope of Alaska. Originally formed in 1979, ACS was restructured in 1990 from an equipment cooperative into a full-response organization. ACS is now poised to respond, like a fire brigade, to an emergency with trained responders and response equipment. ACS is active in fostering a common organizational structure for responding to and managing spills on the North Slope of Alaska.

Purpose

The purpose and mission of ACS is to provide personnel, material, equipment and training to its members for responding to oil spills on the North Slope. When authorized by the Board of Directors, ACS may also respond to non-member spills.

Areas of Operation

Alaska's North Slope, the Outer Continental Shelf off the coast of the State of Alaska, and the lands beneath navigable waters of the State of Alaska as defined in 43 U.S.C. § 1301, together with adjacent beaches, harbors, inland waterways, natural and artificial islands, shorelines and onshore facilities directly or indirectly supporting offshore explorations, development, producing and transport operations; and the TransAlaska Pipeline from pump station one to milepost 167.

Staffing

ACS maintains approximately 82 full-time staff, all of whom are available for response operations. About half of these employees are located within the fields and perform daily spill response and environmental duties under the immediate direction of the member companies.



HSE

Our Commitment

All who work at Alaska Clean Seas are responsible for protecting the health and safety of our personnel, clients, and contractors and for protecting the environments in which we work. Our commitment to health, safety, and environmental performance is an integral part of our operations.

This policy is supported by ACS' Environmental Management System and the Health Safety and Environmental Manual.

The Environmental Management System commits all to environmental compliance and pollution prevention while continually improving operations as they affect environmental excellence. Conservation of energy, spill prevention, reduction or elimination of all waste and in particular hazardous waste, recycling and proper disposal of all remaining wastes are held as core operating principles.

ACS is extremely proud to have ten successive years without a Days Away From Work incident and three years without a Recordable Injury. No Workman's Compensation claims were filed in 2011.

ACS continues to focus attention on "Leading Indicators" in the safety program. Complacency in conducting these safety observations and audits can be detrimental to the continuation of a successful safety program. ACS also emphasizes reporting and managing first aids and near misses to help prevent more serious incidents.

The ACS Safe Action Recognition Program recognizes safe actions performed by employees on a daily basis. Recognizing these safe actions emphasizes and encourages a proactive safety culture within the ACS organization. In 2011, ACS met a goal of 50% of ACS employee's to participate in the ACS Wellness/Workout program.





HSE

VPP

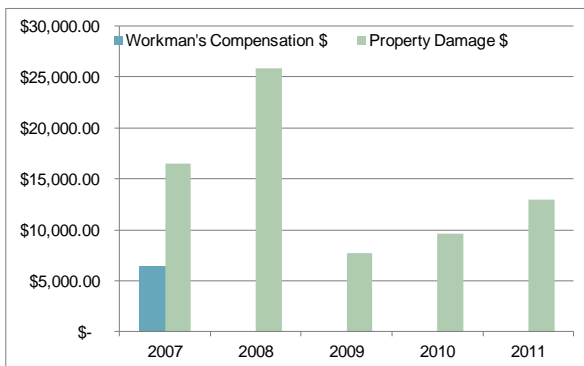
ACS achieved OSHA's Voluntary Protection Program (VPP) Star Status in 2008. The VPP Star status is a testament of a level of excellence in the safety and health management system. ACS continues to improve safety in the organization with over five significant safety improvements in 2011.



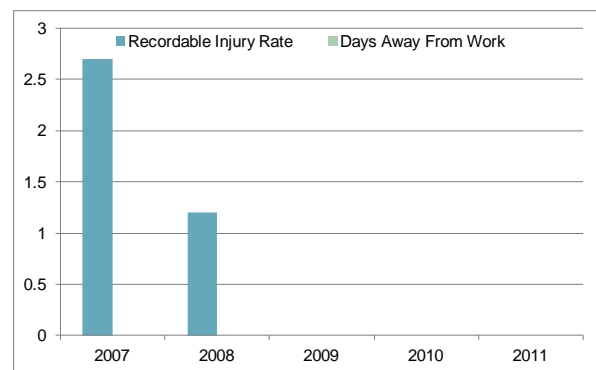
HSE Programs

Fire Prevention and Emergency Response Plan; Personal Protective Equipment Program; Bloodborne Pathogens Exposure Control Plan; Hazardous Energy Isolation and Control Program; Respiratory Protection Program; Confined Space Entry Program; Hazard Communication Program; Vehicle Safety Plan; Fall Protection Program; Hearing Conservation Program; Storm Water Pollution Prevention Plan; Spill Prevention Control and Countermeasure Plan; Waste Management; Sampling; and Analysis Plan; Powered Industrial Truck Program

An Electrical Safety Program was developed in 2011 to ensure proper controls, knowledge and training on electrical work.



Workman's Compensation & Property Damage (\$)



Recordable Injury Rate & Days Away From Work Cases

MEMBERSHIP

All Members in ACS are entities that drill, explore, produce or transport oil or gas, within the area of interest. Here is general information. Complete information can be found in the Cost Sharing Principles.

Producing Membership

Production Operator Members are members that produce or transport oil or gas within the area of interest. These members have Board representation and voting privileges as well as bear the responsibility of funding the annual operating costs.

Fees

- New Member Initiation Fee is \$500,000 and the annual fee is \$50,000
- Annual operating costs are funded through an allocation model based on production and risk categories, such as; road accessibility, proximity to water; pipeline location (off-road or off-shore)
- Daily Development Fee of \$1,250 applies during the periods of transition from Inactive Member status to Producing.

Non-Producing Membership

Non-Production Operator Members are generally members that conduct exploratory drilling. These members are actively involved in the Operations Review Team Committee and have Board representation, but do not have voting rights and do not fund the annual allocated operating costs.

Fees

- New Member Initiation Fee is \$100,000 and the annual fee is \$20,000
- Daily Fees: Rig Day Fee of \$2,500 applies to drilling days; General Activity Fee of \$625 applies to activity that poses the risk of a spill greater than one bbl. of liquid and relies on ACS response. Daily Development Fee of \$1,250 applies during the transition period from non-producing to producing.

Current Membership



- Alyeska Pipeline Service Company
- Anadarko Petroleum Corporation
- BP Exploration (Alaska) Inc.
- Brooks Range Petroleum Corporation
- ConocoPhillips Alaska Inc.
- Eni U.S. Operating Company
- ExxonMobil Production Company
- Pioneer Natural Resources (USA)
- Repsol E&P USA, Inc.
- Savant Alaska
- Shell Offshore Inc.

RESPONSE

Mutual Aid Emergency Response Levels

Tier 1 - spill incident is one in which the area resources can effectively respond to the spill without assistance.

Tier 2 - A spill incident in which resources outside the immediate area, but still available on the North Slope, are required. A phone call to ACS can put into effect the Mutual Aid Agreement which makes available the spill response personnel and spill response equipment slope-wide.

Tier 3 - An extremely large incident or an incident lasting several months may require resources from off the slope. This would be considered a Tier III event. Agreements are in effect with Alyeska Ship Escort Response Vessel System (SERVS) and Cook Inlet Spill Prevention and Response Inc. Additional resources are also available through Master Service Agreements.

Mutual Aid Agreement

Each member of Alaska Clean Seas has the option to enter into a Mutual Aid Agreement. This Agreement provides members with efficiencies and cost savings from the sharing of resources among all members in the event of an oil spill. It outlines the terms and conditions under which each member company

can make available their employees, contractors, equipment, materials and supplies to each other in the event of an oil spill.

Equipment

Equipment totaling over \$25,000,000 is owned by ACS. The member companies also own approximately \$25,000,000 of equipment maintained by ACS that is available through the mutual aid agreement. The inventory includes over 280,000 feet of oil containment boom (including approximately 19,000 feet of fire boom), 160+ skimmers, eight helitorch aerial ignition systems, 95+ vessels, two 128 barrel mini-barges, twelve, 249 barrel mini-barges, one 650 barrel barge, and 250+ storage tanks and bladders of various sizes. This includes an extensive marine nearshore response capability and wildlife hazing and stabilization equipment. This includes an extensive marine off-shore response capability. Mobile facilities are also available, such as the Bird Stabilization Center.

Facilities

ACS Base in Deadhorse contains a small Emergency Operations Center for use by member companies. Emergency Operations Centers located at Alpine, Kuparuk, Milne Point, and the Prudhoe Bay Operations Center are also available through the Mutual Aid Agreement.



RESPONSE SERVICES

Response Personnel

Trained and qualified spill response personnel are mandatory in any spill response event. ACS accesses these personnel through three different resources as shown below. ACS has developed the following five labor categories for spill responders: General Laborer, Skilled Technician, Team Leader, Vessel Operator (Nearshore) and Vessel Operator (Offshore). Each of these categories have minimum requirements for qualification.

Village Response Team (VRT)

ACS contracts with Umiak to provide a North Slope Village Response Team. The team consists of residents from Aniqtuvit Pass, Atqasuk, Barrow, Barter Island, Nuiqsut, Point Hope, Point Lay, and Wainwright. Over 25 qualified spill responders are presently available through this program. The program is continually recruiting new members.



VRT Training in Prudhoe Bay

North Slope Spill Response Team (NSSRT)

Over 500 volunteers are trained and qualified on the North Slope to make up the NSSRT. Combined with Alaska Clean Seas personnel, a minimum of 115 spill response personnel are available on the North Slope each day.



SRT Joint Exercise Training

Auxiliary Contract Response Team (ACRT)

ACS maintains contracts with companies off-slope in the event additional spill response personnel are needed. Presently the companies are CCI Industrial Service and Penco Environmental Services. Over 250 qualified spill responders are available through these contracts.



ACRT Training Academy in Kenai

Emergency Oil Spill Response Permits Maintained By ACS

During 2010 and 2011 ACS took steps to improve the North Slope capability in Marine Mammal and Polar Bear Response. ACS contracted with the Alaska SeaLife Center, Alaska Zoo, and Pet Stop to provide professional assistance with marine mammals during a spill event. ACS is also sponsoring meetings with the resources agencies such as U.S. Fish and Wildlife, NOAA National Marine Fisheries, and the North Slope Borough along with member company representatives to draft protocols and establish working relationships to be utilized during a spill event.

- Alaska Department of Natural Resources Land Use Permits
- Alaska Department of Natural Resources Fish Habitat Permits
- Alaska Department of Fish and Game Bird Hazing Permit
- Alaska Department of Fish and Game 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 Borough Development Oil Spill Emergency Use Permit

ACS Technical Manual

The ACS Technical Manual is the primary guidance document for oil spill response on the North Slope. It was developed in 1999 to provide descriptions of spill response tactics for use during contingency plan development and spill response activities. The manual is a living document and is revised as new tactics or equipment is identified

Volume I lists spill response tactics in a variety of conditions and seasonal variations. It also provides summary lists of equipment, realistic maximum operating limitations, and a list of ACS master service agreements. A pocket Field Guide is available for field responders.

Volume II provides a map atlas of the North Slope. These maps show priority protection sites, general environmental sensitivities, air and vessel access, countermeasure considerations, and pre-staged spill response equipment.

Some services that may be needed during a major spill response event may not be available on the North Slope. ACS maintains agreements with over 40 providers of a variety of services for member company access or use during a response. A listing of these agreements is located in the ACS Technical Manual.

Additionally, the Alaska Department of Natural Resources has approved ACS access to the North Slope Archaeological Data which can be reviewed during a spill response event to ensure these sites are properly protected.

Mobile Command Centers

Excellent communications capability is the cornerstone to any successful spill response. ACS and member companies maintain three separate mobile command centers which provide full on-site radio, phone and fax capabilities.

Communications

ACS's telecommunication center houses equipment that supports day-to-day operations and spill response operations. Using a VHF repeater system on the North Slope, ACS is able to communicate throughout its key operational areas on the Slope. ACS also owns 13 VHF and UHF portable repeaters to extend its area of coverage.

North Slope Radio Channel Assignments

- 4 Statewide VHF Oil Spill Tactical Channels
- 20 ACS Fixed VHF Repeater/Talk Around Channels
- 12 Portable VHF Repeater/Talk Around Channels
- 4 ACS Logistics VHF Repeater/Talk Around Channels
- 7 Marine Channels

ACS owns 200 VHF and UHF radios and utilizes an Iridium Satellite Telephone System.

All these systems combined with a Basic Exchange Telephone Radio System and a Mobile Response Center provide exceptional communications capability during any spill event on the North Slope.



Hand Held Radio Coverage Areas

TRAINING SERVICES

The training staff at Alaska Clean Seas provide continuous oil spill training support to the member companies. This support includes classroom presentations, field practicals, tabletop exercises, and deployment drills. With an average of over 2,000 instructor hours per year, hundreds of training development hours, and extensive oil spill response experience, their expertise radiates throughout their lessons.

SRT Training

Spill response training is provided weekly in 2-4 hour sessions to each of the North Slope Spill Response Teams. Several 2-3 day sessions are conducted each year for the North Slope Village Response Team and the Auxiliary Contract Response Teams. ACS instructors provide the spill response training at the pump stations and response centers along the Alyeska pipeline. Specialized training is also provided by both ACS instructors and professionals from outside the organization. Courses range in length from 2 hours to several days. This training has resulted in a core of highly trained and competent spill response personnel available twenty-four hours a day on the North Slope.

ICS Training

ACS' Incident Command System (ICS) training was revised in 2011. ACS is following the National Incident Management System (NIMS). Through an agreement with Emergency Management Services International (EMSI), ACS is presenting EMSI training classes to ACS member companies. Classes include ICS-300 Intermediate ICS, ICS-400 Advanced ICS, Planning Section Workshop, Situation Unit Workshop, and Resource Unit Workshop. More classes will be developed and presented as necessary. ICS training is provided to member company teams both on and off the North Slope.

Specialized Training

Each year Alaska Clean Seas schedules several specialized courses for the North Slope Spill Response Teams.

The Spill Response Team Academy is an annual event conducted at the PRISM facility in Kenai, Alaska. The course provides initial Hazwoper training and two days of basic spill response training to new spill response team members.

Advanced Oil Spill Responder courses are held at the OHMSETT facility in New Jersey. These courses provide students the opportunity to operate different types of skimmers in different types of wave conditions and in oil on water. The Marine Spill Response Corporation also provides a day on a skimming vessel. The course is attended by the Alaska Department of Environmental Conservation and U.S. Coast Guard personnel. ACS personnel also provided a two day Incident Management and specialized oil spill response training course to North Slope Borough personnel who are involved in spill response.

An Advanced Oil Spill Response in Ice training course has been developed by ACS and will be conducted in 2012. The week long course will be held at the Cold Regions Research & Engineering Laboratory (CRREL) in Hanover, New Hampshire. The course will provide students the opportunity to practice tactics for delineation, containment, and recovery of oil in and under ice. It is anticipated this will become a regular training event.

Drills and Exercises

ACS assists in both tabletop and field deployment exercises. Tabletop walk-through exercises provide an excellent training atmosphere in which students work through a scenario with instructor guidance, time outs for questions and process practice. Field deployment exercises are conducted in actual weather conditions in which the responders may experience. As leaders in cold weather spill response, ACS personnel are able to provide realistic conditions and activities to the field response training exercises.

2011 Training Statistics

<i>Total Instructor Hours</i>	<i>2876</i>
<i>Number of Classes</i>	<i>607</i>
<i>Number of Students</i>	<i>7319</i>

TRAINING

Ohmsett

By Pat Cosgrove



Training with oil in waves at the Oil and Hazardous Materials Simulated Environmental Test Tank (OHMSETT), at the National Oil Spill Response Research & Renewable Energy Test Facility is critical in providing the North Slope Spill Response Teams with an appreciation for the limitations and difficulties in implementing various mechanical recovery and containment options in real world conditions. During the five-day Advanced Oil Spill Response Course, team members participated in classroom and field activities.



Class Overview

Our two, five-day classes were made up of responders from Alaska Department of Environmental Conservation, Alyeska Pipeline Service Company, BP, ConocoPhillips, Marine Spill Response Corporation, Pioneer Natural Resources, Shell Offshore and Western Canada Marine Response Corporation. Classroom topics included review of the application of all types of skimmers, pumps, tactical response decisions and behavior of oil on water. Each day we had a comprehensive safety discussion, a thorough review of prior day activities and analyzed skimming recovery results.

Ohmsett

Daily Structure

In an effort to enhance engagement and training effectiveness, students alternated between classroom and hands-on tank exercises in two-hour shifts. We split the class into three groups. One worked on the bridge; one on the back deck area; and one in the classroom. We then rotated about every two hours so each group completed each activity every day in different wave conditions.

Bridge

Each student operated a skimmer and collected oil into an individual tank to determine oil/water cut. Results were tabulated and averaged into a cumulative total. Every morning we used this data as a talking point to compare what the students with the best oil/water ratios were doing differently. We then had a Student Appreciation Dinner to crown the skimming champion.

Back Deck

We conducted a team competition each day in which each team would have two hours to use our equipment in any combination to collect the highest percentage of oil with the goal of minimizing water recovery. Samples were taken and analyzed for oil to water ratio and measured for density. Skimming equipment deployed on the back deck area included: rope mop disc, fuzzy drum, grooved drum, manta ray, brush and weir, along with peristaltic, diaphragm, spate and centrifugal trash pumps.



Vendor Support

We invited technical representatives from Elastec, Crucial and Lamor to describe the evolution of the process in skimmer development, demonstrate new products and provide data on skimming systems we use on the North Slope. It was fantastic having up to the minute technical information available at our fingertips. Students appreciated the relevance of these sessions and asked many questions about how to operate the skimmers to maximize recovery results.

MSRC Field Deployment

The final day of the course the students boarded MSRC's Oil Spill

Response Vessel, the New Jersey Responder, to New York Harbor where they got hands-on experience deploying inflatable Ocean Ro-Boom and the Transrec Skimming System.



TRAINING

Enhancing Our Response Management

In today's oil spill response environment it is essential that all agencies, companies, and organizations who may be called upon to be in a leadership or support role on an incident management team are appropriately prepared to fulfill their responsibilities in the all hazard response environment. The National Incident Management System (NIMS) has been identified as the only recognized framework for interagency all risk response in the U.S. The Incident Command System (ICS) is the Command and Control element of NIMS.

When personnel are assigned to leadership positions within an ICS organization that are not qualified, position trained, and/or experienced to the level of the response, reduced effectiveness, poor organizational communication, higher cost, and ultimately a more hazardous response environment can result.

Qualification of response personnel to acceptable NIMS standards is the only way to consistently keep response teams and systems at a high level of effectiveness. Qualification of response personnel is at the very heart of any mature, and high performing ICS program.

Today, very few individual organizations or entities have the capability to develop and implement a comprehensive qualification system that includes all of the necessary facets to be successful. In the past, several Agencies have developed their own ICS qualification systems with modifications to meet their specific response needs. Thus far, there has not been a system that has been developed for industry purposes. However, industry and the private sector play a major role in response to Oil and Hazmat incidents. It is essential that everyone with a leadership or support role on an incident management team adopt the ICS and prepare their responders to fulfill their roles and responsibilities in a professional and standardized manner.

Alaska Clean Seas and its Member Companies have committed to use NIMS and to implement a training program that follows NIMS. The ACS training staff have attended ICS 300/400 Train-The-Trainer course instructed by EMSI certified ICS trainers. ACS will provide ICS courses that are NIMS standard to our Member Companies. We have committed to use the NIMS ICS forms.

ACS continues to provide ICS position specific training and assist our members in the development and implementation of drills and exercises. ACS is currently part of the Global Response Network "Response Management" work group. The work group is tasked with developing a standard ICS position qualification system.

In order for any oil industry ICS qualification system to work there must be guidelines established that are consistent with national direction, or consistent with agencies within a particular field of response e.g. oil and hazmat spills. Qualification programs should be aligned across all levels of government and industry responders so as to allow for the highest level of interoperability during response operations.



International Oil Spill Conference

ACS was well represented at the 2011 International Oil Spill Conference in Portland, Oregon. ACS staff presented a short course on Arctic Oil Spill Response Techniques. The class was overflowing and many would be attendees turned away due to lack of space. Lee Majors moderated Session #17 on Arctic Discussions – Operational Concerns.

Two papers were presented by ACS employees:

- Developing an Effective Fishing Vessel Response System by John Parson
- Hopedale Branch: A Vessel of Opportunity Success Story by Chris Hall



ACS employees were also involved with seven poster presentations:

- Sensitive Areas and Resources at Risk in the Alaskan Arctic: Collaborative Planning by Lee Majors and Douglas Mutter (DOI)
- Volunteers: Paid Preparedness by Ken Linderman
- Preparedness Improved Through Equipment Verification by Myola Martinez-Houck and Linda Pilkey-Jarvis (Washington State Department of Ecology)
- Team Leader Training for North Slope Responders by Chris Hall
- Extreme Cold Weather Spill Response Safety by Randy Pittman and Lee Majors
- Arctic Oil Spill- Alaska North Slope Case Study by Pat Cosgrove
- Balloon Based Oil Spill Surveillance by Brian Green and Scott Pegau (OSRI) - *First Place Blue Ribbon Winner*



BUSINESS

Compliance Audit

EXCELLENT

Alaska Clean Seas is subject to an external Member Company audit every three years. In September the audit was lead by ConocoPhillips with assistance from British Petroleum and ExxonMobil. The objective of the audit was to evaluate the adequacy and effectiveness of controls in place to manage those risks.

The scope of this audit included risk identification and control testing associated with ACS's Standard Operating Procedures for accounting, contracting and purchasing, as well as operational readiness of equipment and personnel. Controls within the ACS organization were operating as intended, thereby managing risk exposure appropriately.

Controls associated with the revenue and purchasing functions were well executed. The level of operational readiness was well managed. The equipment tested was found in good condition and deployed as required by members' contingency (response) plans. Controls around cost sharing and fee allocation, together with those over invoicing, were effective.

ACS received very positive comments from the ConocoPhillips Lead Auditor regarding staff knowledge, experience, and readiness to respond. A report card was issued and is provided below.

Alaska Clean Seas Controls Assessment

Business Process Sub Process Assessed	Scope		Assessment			
	Sox Testing**	Assurance Audit*	Pass		Fail	
			Effective & Efficient	Reliable	Needs Improvement	Weak
Financial Processes						
Account Reconciliations		X		!		
Financial Reporting & General Ledger				!		
<ul style="list-style-type: none"> • Financial Reports • Journal Entries • Tax Filings 		X X X				
Operations Processes						
Operations			!			
<ul style="list-style-type: none"> • Equipment Inventory • Equipment Maintenance • Personnel Training 		X X X				
Procure to Pay						
Contract Administration		X		!		
Procure to Pay				!		
<ul style="list-style-type: none"> • Accounts Payable • Purchasing 		X X				
Sales/Revenue						
Sales/Revenue			!			
<ul style="list-style-type: none"> • Accounts Receivable • Cash Calls 		X X				

BUSINESS

The Business Department's primary missions are to provide support for operations and be responsive to ACS employees and our member companies.

In 2011, we welcomed the new HR Generalist, Roger Heath. Roger brings a wealth of experience in benefits, compensation and employee relations. As the year came to a close, we said goodbye to Mike Collins, who retired after 20 years of employment with ACS. His successor, Jeff Turner, brings many years of experience in Supply Chain Management and Contracts. The Purchasing Department filled numerous member company requests to purchase skimmers, snow machines, pumps, trailers and other spill response equipment.

Several efforts to move towards a paperless environment were undertaken in 2011. An electronic HR workflow was developed. An electronic records retention program was implemented, thereby eliminating over 300 boxes of paper records in offsite and onsite storage. Accounts Payable was converted to a system for electronic routing, storage and retrieval of vendor invoices that integrates with the accounting system. The vacant storage closet was then remodeled into a much needed additional work area.

ACS outsourced the Network Engineer position to TekMate, LLC. Working with in-house IT staff, the network infrastructure was re-configured which improved electronic workflow between Deadhorse and Anchorage. We also created a Board of Director's website which provides all governance documents and meeting materials in a single secure location.



Anchorage Business Department Staff



OPERATIONS

ACS is a unique oil spill cooperative in that it not only serves as an emergency oil spill response organization, but also provides day-to-day field environmental support. This arrangement ensures the field technicians are fully utilized when they are not performing spill response or spill preparedness work.

A Customer Service Agreement is signed with each of the North Slope production fields. The agreements outline the roles and responsibilities of the technicians and the roles and responsibilities of the operating field.

The ACS Cost Sharing Principles define which activities are direct billed to the member companies and which activities are shared within the ACS annual budget. Basically, activities pertaining to spill response preparedness are shared by all producing members. This includes spill response training and equipment maintenance.

ACS utilizes the Response™ program to track inventory and maintain spill response equipment across the North Slope. Over 5,200 pieces of response equipment are inventoried and tracked on an annual basis. Annual preventative maintenance is required on over 1,600 pieces of equipment. ACS participates annually in numerous tabletop and equipment deployment exercises. This includes the annual North Slope Mutual Aid Deployment Drill (MAD) which is a major manpower and equipment deployment drill.

ACS is also unique by responding to smaller tier 1 spill events on the North Slope. Overall ACS responds to an average of 350+ reportable spills and another 1500+ smaller spills each year.

OPERATIONS

Milne Point

Milne Point had a busy year. We saw our "CHOPS" (Cold Heavy Oil Pilot Study) start back up and produce oil from a CHOPS lateral well on S-39. This heavy viscous oil is from the UGNU formation and was producing from a single well (S-39). This was a huge accomplishment and set a record for production from a CHOPS well anywhere in the world. There are a total of 4 wells for this pilot study and it is supposed to run through 2014. The ACS Lead and Support Technicians supported this project every day with spill prevention, response, waste handling, and disposal issues. We are very excited about the potential for this project and we work hard to support it.

We have been fortunate to have a pretty good year as far as severity of spills. The ACS group at Milne supported BP Environmental's push for a reduction in spills and increase in spill prevention and were successful. This was also a reflection on the entire field's effort. Our support of everyday activities continued during annual facility shutdown support, tank cleaning support, hazardous waste shipment, and special projects. The ACS group at Milne Point also provided support for CGG VERITAS with a small seismic project off F Pad during the summer months. CGG VERITAS had several large multi-engine freighter type airboats and a 30' + vessel doing their work along with an on land portion. CGG VERITAS will be back at Milne Point with a much larger crew, fleet of vessels, and equipment slated for their work in 2012 off F Pad.

We continue to provide weekly training on slope for our Spill Response Team members, conduct equipment deployment drills for the SRT, and provide maintenance on the spill equipment. Milne Point hosted a spill response / IMT drill on Father's Day of this year. It included participation from Kuparuk, WOA, ACS Base and various agency representatives. This drill, taken from the Milne Point C Plan, was an opportunity to work with other asset's SRT members, and to incorporate their equipment into our response. It was a successful spill response deployment exercise.

Milne Point supported the 2011 ConocoPhillip's Mutual Aid Drill at Alpine with two ACS personnel and three SRT members performing different assignments. Milne Point has been tagged with hosting the 2012 Mutual Aid Drill and we look forward to future training opportunities.

We received several new skimmer systems for 2011 from BP and are also upgrading some new pumps (Diesel Peristaltic & Diesel Trash), as we have phased out some old technology/equipment and upgraded with new spill equipment. We will also be moving our SRT locker room and storage from the Pizza Hut to a bay in the new shop at A Pad. Overall, 2011 was a very productive year with good training in spill response. We look forward to a challenging 2012.



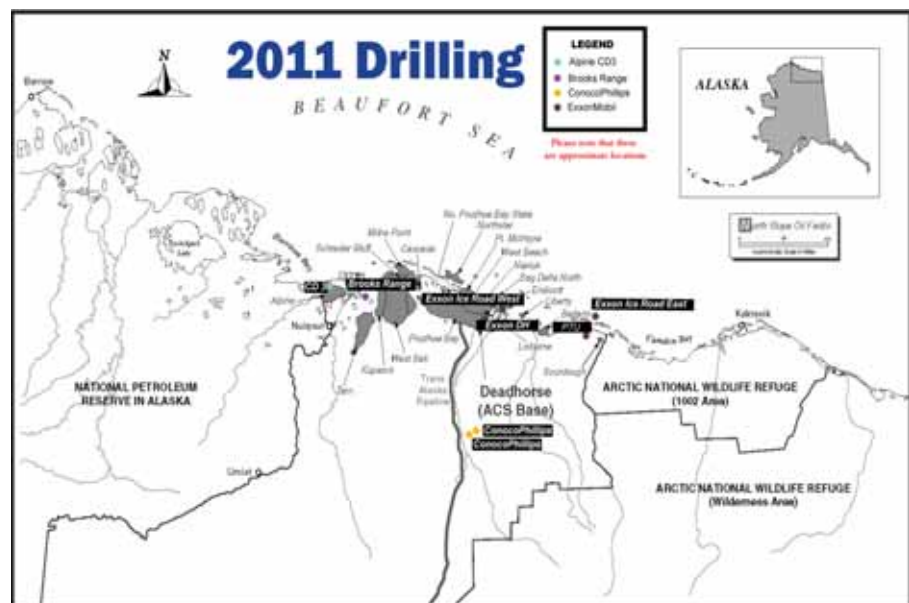
OPERATIONS



Alaska Clean Seas had a very successful 2011 summer season. ACS started the season supporting the North Star hovercraft fire and ended the season assisting a helicopter load released to the water. ACS conducted 10 weeks of Captain and Crew training three days a week and 10 weeks of SRT training five days a week at nine locations. ACS West Dock supported the off-shore portion of the Mutual Aid Drill in the Colville river delta for ConocoPhillips Alpine. ACS transported crew and freight for Badami, North Star, Savant and Fairweather's research vessel Norseman 2. ACS assisted with a sediment survey for Endicott in the Sag river delta. ACS provided vessel support to Bell & Associates for the West Dock causeway bridge scour project and additional support for the soundings from shore to Duck Island. We deployed and retrieved acoustical devices with LGL Greenridge for North Star and assisted BP's STP with the deployment of their new temporary outfall pipe.

Drilling

ACS supported numerous exploration drilling operations across the North Slope with 24 personnel from Alpine to Pt Thomson in the 2010/2011 season. Environmental oversight and spill response were provided for Brooks Range Petroleum's exploration sight between Kuparuk and Alpine, ConocoPhillips's CD-3, and two remediation sights down the Dalton Highway from past drilling locations. ACS also supported Exxon in four areas- drilling at Pt. Thomson, both ends of 60 miles of ice road, and Exxon's logistical support pad in Deadhorse.



Endicott

Endicott Makes Safe Boom Handling a Priority

Due to its unique location, a couple miles offshore and between two river deltas, Endicott has over 35,000 feet of boom pre-staged along its shores. Boom deployment and recovery is common during weekly Spill Response Team trainings, so the Endicott team looked into safer, more efficient ways to handle boom.

Along with miles of containment boom, Endicott stages thousands of feet of a fire resistant boom called Pyro-Boom which could be used for the controlled burning of oil. This is one of the three types of fire boom in the ACS inventory. The Pyro-Boom is constructed of stainless steel spheres that can be awkward, slippery, and difficult to handle. The SRT members experimented with good old fashioned “hay hooks” to move the boom. These crude tools made light work of an otherwise difficult job with potential for back strains and pinch points.

A more high tech tool was designed and procured for handling the containment boom staged in containers along the shoreline. A hydraulically operated “Boom Handler” pinches the boom between two rollers and feeds the boom in or out of the containers. The unit will be mounted on a small trailer and positioned in front of a boom container with an ATV. This tool takes a lot of backbreaking work out of boom deployment and retrieval.

The Endicott team is always looking for safer, more efficient ways of performing tasks and these are two great examples of that on different ends of the tech scale.



OPERATIONS

Badami

Badami will be under new ownership starting in 2012. Savant Alaska and ASRC have taken over from BP with Savant operating the field. AES will continue to operate the plant. BP will continue to operate the Badami pipeline. Savant has been doing wellwork on the existing Badami wells for the last two years and has brought one new well online with good results. Savant will have a Nabors rig onsite for the winter drilling season. They plan to drill one new exploration well this year from an ice pad 3 miles to the West, and do more side tracks and wellwork on existing Badami wells.

ENI

Once again this year at ENI there have been many new milestones met. We have transitioned from construction project to a full fledged North Slope production operations facility which saw first oil in January 2011 at Oliktok Production Pad (OPP). More recently second oil production from Spy Island Drilling (SID) into the subsea pipeline commenced in November. This meant that we had to spec out, purchase and receive more spill response equipment to be prepared for any potential releases from the onshore / near shore portion of the project. We continuing to support ENI's 24 hour Drilling operations both at OPP Nabors Rig 245E and on SID Doyon Rig 15 with support technicians. We assisted in the packaging and readying of a hazardous waste shipment. A significant accomplishment this year was establishing the ENI Petroleum Spill Response Team which at this time has approximately 25 personnel participating all receiving training from the Eni Lead Spill Technicians.

Oooguruk

In 2011 Pioneer made strides to better its spill response capabilities through a series of training and drills that included the Spill Response Team as well as the Anchorage Incident Management Team. Most noteworthy was a spill drill staged at Pioneer's Onshore Tie-in Pad (OTP) on August 22nd. Agency representatives along with ACS support staff, simulated the response to a spill from a ruptured tanker into their bulk loading area. Pioneer also had a full-fledged internal ICS spill drill on November 2nd, implementing lessons learned from ACS NIMS 300 training.

Pioneer continues to grow its infrastructure in support of the drilling program. Construction was completed and the doors opened to OTP's new fifty-six man Kalubik camp on June 1st. Pioneer Natural Resources also has two winter exploration projects, Nuna and Sikumi, slated for the 2011-2012 drilling season. As drilling continues on Oooguruk Island there is anticipation of growth and development in the years ahead.



Alpine

Alpine (CPAI) along with Alaska Clean Seas personnel conducted a resource deployment Mutual Aid Drill on the Tamayayak Channel in August of 2011. This exercise demonstrated the excellent response capabilities at a remote site such as Alpine. ACS and the NSSRT (North Slope Spill Response Team) were represented professionally, responsibly, and safely for this important training exercise.

Reportable spill quantities and numbers have declined dramatically at Alpine. These numbers are directly attributed to ACS technicians working hand-in-hand with the Wells Group conducting pre and post job walk downs and inspections, as well as fluid/chemical transfer policies which require dedicated personnel to perform pre and post transfer inspections.

Doyon 19 has been rebuilt from the ground up and is gearing toward a safe and productive winter season. ACS technicians are now focused on preparation for the busy winter season ahead. Spill Response Team numbers are increasing, a trend we hope continues as we plan training for the coming year.



Kuparuk

This was a year of equipment, storage, and facility reorganization at Kuparuk. The PPE storage facility in the Kuparuk spill response warehouse was expanded to include new display shelving, pallet racks, flammable storage, and various other improvements. The project expanded to involve reorganization of the entire Warehouse. As the project progressed it spread outside the KSRC facility proper to include additional shelving in our connex storage area. The cold storage tent was next on the list, as it was scheduled for a new cover in the fall. The cold storage tent was emptied and cleaned. Following the new cover installation, additional pallet racks were installed for added storage.

The Mobile Command / Staging trailer is a core piece of equipment to our response capability in the Kuparuk Field. Several additions were made to the Kuparuk Command / Staging trailer in 2011. Improvements this year include a wireless remote camera system (with heated all weather housing) now available in conjunction with a Wi-Fi system that allows both onsite video monitoring and complete network capability when deployed anywhere in the Kuparuk Field. We had the opportunity to utilize this technology at both SRT training and during the "Fathers Day" drill at Milne Point.

Kuparuk SRT responded to the above referenced "Fathers Day" drill at Milne Point which was essentially a "mini mutual aid" that involved ACS, WOA, Milne Point, and various Agency Representatives. The drill was an opportunity to work across fields to accomplish a successful spill response deployment.

The 2011 Mutual Aid Drill was hosted by ConocoPhillips and held at the Alpine field. Kuparuk supported the successful effort with both personnel and equipment. Kuparuk set up and conducted operations for the Oliktok Dock Staging Area. ACS operated vessels and helped in demobilization after the drill.

ACS Kuparuk had a busy productive 2011. We conducted spill response training, drills and spill cleanup. We coordinated hazardous material training, cleanup & support. We also worked with the Kuparuk Emergency Response Groups to assist the Kuparuk Fire Department with training, drills, and fire support. In 2011 Exxon conducted a successful audit of the spill response equipment at Kuparuk.

OPERATIONS

Polar Bear Cub Rescue

In April 2011 an orphaned polar bear cub was sighted near the Alpine field on the North Slope. U.S. Fish and Wildlife was contacted and after a few days of trying to locate the mother, decided to take action. Utilizing the relationships established by Alaska Clean Seas through the Marine Mammal Response Workgroup, with agency approval, the cub was captured by ACS personnel and stabilized by personnel from the Alaska Zoo. The cub was transported to the Alaska Zoo which provided daily care and worked with U.S. Fish and Wildlife to locate a permanent home. The cub was undernourished and weighed about 15 pounds when captured. Under the care of the Alaska Zoo she grew into a healthy, strong, vibrant cub weighing about 60 pounds. On June 29th, the cub was transported to the Louisville Zoo.





Mutual Aid Drill

From Executive Summary of 2011 Mutual Aid Drill Final Evaluation Report:

On August 30th, 2011, ConocoPhillips Alaska Inc. (CPAI) hosted the 2011 North Slope Mutual Aid Drill (MAD) in conjunction with various North Slope operators and federal, state and local agencies. The purpose of the exercise was to utilize the North Slope Mutual Aid Agreement in response to a large scale pipeline rupture at the remote Alpine Field during summer months. The exercise was designed to provide additional training opportunities in the activation and deployment of various spill response teams, incident management teams and additional support resources across the North Slope and in Anchorage. Drill field activities included on-water equipment deployment in Harrison Bay and within the Tamayyak Channel of the Colville River. Drill activities were evaluated at each of the primary exercise locations by joint industry and agency evaluation teams, who monitored response actions and facilitated potential drill injects as needed during the exercise play. All 2011 MAD drill actions were conducted in a safe and efficient manner with no real time incidents or personnel injuries. Overall, the 2011 MAD was considered a success.



OPERATIONS

NorthStar



The 2011 year at Northstar was safe and productive. There were several challenges at the

beginning of the year, including a limit on the number of personnel allowed on the island due to the new Northstar Operation Center construction project. The ACS technicians supported the spill response and environmental aspects of the project from the start. There were hazardous waste shipments, spill cleanup, training, fuel and chemical transfer operations and other support duties.

The Northstar ice road brought an increased flow of material and work to Northstar Island and the ACS techs supported the spill response and environmental support all season.

We are looking forward to another safe and productive year in 2012.



WOA

The WOA SRT participated in several one-day drills with the gathering center facilities in 2011 using their emergency response plans for incidents and spills. Real time scenarios and tactics were used and given to the incident management team. We were involved in a joint exercise with the EOA and Endicott spill response and incident management teams in April responding to the Putt Mine River site. We also joined Milne Point in a one-day exercise in June.

The well house project continues with a focus on the GC-1 well houses. With the help of CCI, we cleaned 225 well houses in the GC-1 area in 2011. With the help of Penco personnel and the utilization of a night shift to keep up with the demand of inspections and storm water removal, we had a safe and productive year managing the storm water project. We had no major spills this year.

EOA

The year started out with several personnel changes at EOA. Cory Settle became the new lead technician. Steve Hays and Heath Wilds brought a wealth of knowledge with them to the support technician positions. Along with Tommy Cumming, a long time EOA lead technician, EOA has a strong team. EOA was lucky enough to have Greg Guild who has many years of experience with the BP environmental group, fill in when Tommy Cumming had to take leave.

From drops to barrels all have to be cleaned up, disposed of, and documented. This summer we had two significant spills going on at the same time. The first was the L-1 pipeline spill, which was produced water and methanol. The flow station 2 flare pit crude oil spill occurred next. Spills like these take manpower, resources, and a lot of interaction with agencies and owner-company personal. EOA has the team to handle the job, but could not have handled it without support from ACS Base.



THE VIEW THROUGH THE YEAR VIEW MIRROR



By Richard Hadden
Contented Cow Partners, LLC

RICHARD HADDEN

When I look into your rear view mirror, I see...

Thirty-two years on Alaska's North Slope,
Barges, and boom, and spill techs, and boats.

I see Jamie and Erin and two guys named Bill,
And Eben, and Barron, and there's Rhonda Hill!
And ladders, and bladders, and Tony, and Phil,
Off quickly, but safely, to clean up a spill.

Neil Hermon at Milne, the team at Kuparuk,
A substance that's filmy, and Jim at Ooguruk,

Some self-rising tanks,
Some good-natured pranks, (safe ones, of course)
Some folks saying thanks,
No shops and no banks (and no lots of other things I noticed).

There's Brian and Kristi and Alex and Ben,
Myola and Randy and Curtis, and Ken,
Dave Nielson, Pam Andrews, there's Jeff, and Tom Flynn.

I see oil wells and skimmers, Vic Richart and Ed,
John Parson, Steve Larsen, and a whole bunch of sleds,
Guys freezin', guys wheezin', and a couple of Freds.

I see folks workin' hard, for example, Rob Murray,
But always with caution, so not in a hurry.

I see decontamination,
Eastern and Western operations,
Potentially hazardous situations,
The northernmost region in the nation,
Lots of safety observations,
Spills on foam insulation,
Endicott gravel evacuation,
Lots of oil exploration,
And between Deadhorse and Anchorage,
a little bit of inebriation.

At the Aurora, a bunch of you sittin',
And eatin' and talkin', and Emily's knittin',

Mike Collins restocking,
On radios talking,
Marilynn, Tad, Mike Lord, and Ron Hocking.

There's Jerry and Greg, and Sheri and Craig,
And Larry and Gary eatin' bacon and eggs,

Decon units, some dry and some wet,
Vince Volpe, Heath Wilds, and there's Bill Barnett.

Ron Kohler there with a polar bear,
Holding the handrail when you go up the stairs.

There's Royce, Mike Rice, Lance, and Pat,
Lee Majors and Hunter, and there's Billy Pratt,
And there's Chris Hall, and a big Arctic Cat!

There's Steve Hays, at the end of 14 days.
And that's all I'm going to say about that.

I see Brian Green, and the folks in marine,
There's crude oil, and glycol, and mud, and xylene,
But with ACS there, everything is so clean.
Fuel mixers mixing and skimmers absorbing,
And for the last 30 years now I'm seeing Bud Forbing.

There's Kelley and Justin, in town I see Lindy,
And there's Tim and Jim, some computers, and Wendy.

At the end of his hitch on the plane's T.C. Spicer,
And all his tattoos, waitin' on the de-icer.

There's Joe Serra and there's Jack Slater,
Both wishin' they worked closer to the equator,
And some pumps and an auger, and a defibrillator.

For cutting out ice blocks, I see some rube witches,
Did you ever try to use those sons of guns?

There's Endicott, Northstar, there's Dave, and Tommy,
There's Tracey, and Walt, Alpine, and Badami.

There's Tom and there's Kent, and there's Lewis Hiatt,
And there's Linda Burns, so shy and so quiet.

The bus that you ride in, the warmup shacks,
Kubotos, and motors, Ron Morris, and Max.

If your name wasn't mentioned, You have my apology
This mirror is basically ancient technology

I see you're working so hard that you sometimes feel dead,
But every new day you jump high out of bed,
Cause there's no other job you'd like having instead,

When I think of your work, what I see is demanding,
And your record for safety – nothing short of outstanding.

When I take a good look in this backward reflection,
I see all of you here, and it's quite a collection.

Keeping the slope pure and clean for the future,
And for ten years on end, not so much as a suture.

You're husbands and brothers, sisters, fathers & wives,
Helping each other make the most of your lives.

ACS LONGEVITY AWARDS



Bud Forbing
30 Years

Congratulations and Thank You to the following employees for years of service to ACS:



5 Year Awards:

- Larry Dreese
- Tony Egbert
- Emily McBride
- Ron Morris
- Gary Stock
- Heath Wilds



10 Year Awards:

- Linda Burns
- Fred Chace
- Hunter Ervin
- Ed Gasque
- Brian Green
- Steven Hays
- Tracey Huhndorf
- Steve Larsen
- David Nielson



20 Year Awards:

- Michael Collins
- Ken Linderman

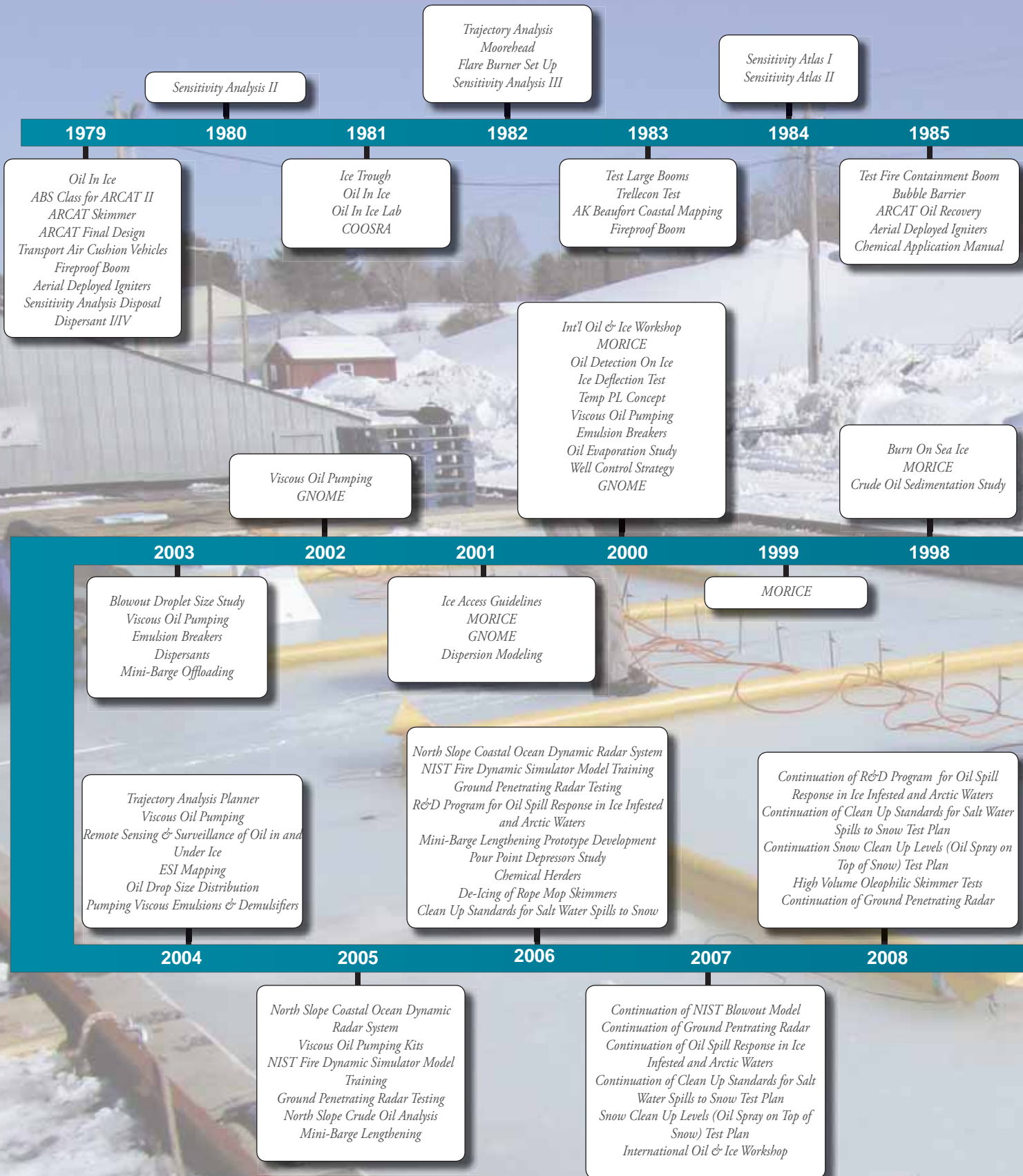


30 Year Award:

- Bud Forbing



RESEARCH & DEVELOPMENT TIMELINE



Wildlife/Shoreline Protection
 Refine Aerial Ignition
 Dispersant Effectiveness
 Fluorescent Detection of Oil
 Multiple Boom Strategies

Peat Beach Clean Up
 In-Situ Literature Study
 Beaufort Sea Trajectory
 Elastol Study
 ARCAT Skimmer Phase II

Meso Scale
 GIS Mapping
 Peat Beach
 Incinerator Barge
 Burn Workshop

1986

1987

1988

1989

1990

1991

Bubble Barrier II
 Rotating Brush/Mop Skimmer
 High Tensile Containment Boom
 SWAMP Skimmer
 Modify SOCK Skimmer
 In-Situ Literature Study
 Trajectory Software
 Disposal Guidelines
 Fish Tainting II

Beaufort/Chukchi Trajectory
 Chukchi Shoreline Manual

Oil In Ice
 Foxtail Testing
 GIS Mapping

Efficacy of Burning
 UK Burn Trials

Bioremediation Field Tests
 Oil in Broken Ice
 Decision Support
 Burning of Emulsions, Field Test

In-Situ Burn Test

1997

1996

1995

1994

1993

1992

Efficacy of Burning

Bioremediation Field Tests
 Efficacy of Burning

Burning of Emulsions,
 Bench Testing
 MapInfo/TMA
 Macro Burn
 Buoy Trajectory Test
 Lab Analysis of Oil Samples

Tundra Treatment Guidelines
 Update
 Tests of Coated Disc Skimmer in
 Arctic Conditions
 Airborne Ground Penetrating
 Radar
 Nuclear Magnetic Resonance
 (NMR) for Detection of Oil
 Under Ice
 Surveillance Aerial Balloon
 Testing

2012 Proposed R&D Projects are:
 Detection of Oil in/under ice
 Arctic Oil Spill Response JIP
 Integrating Response Data
 Robust Fire Boom

2009

2010

2011

Continuation of R&D Program for
 Oil Spill Response in Ice Infested and
 Arctic Waters
 Continuation of High Volume
 Oleophilic Skimmer Tests
 Improving Methods for Recovering
 Residues from In-Situ Burning of
 Marine Oil Spills
 Tundra Treatment Guidelines Update

Airborne Ground Penetrating Radar
 Nuclear Magnetic Resonance (NMR)
 for Detection of Oil Under Ice
 Arctic Task Force Joint Industry Project
 Oleophilic Skimmer Tests

RESEARCH & DEVELOPMENT

In 2011, ACS continued its involvement with the Airborne Ground Penetrating Radar system for detecting oil in and under ice. Testing was conducted at the Cold Regions Research & Engineering Laboratory (CRREL) in Hanover, New Hampshire in March 2011. Two new frequency modulated systems were tested and a resistivity profile of the ice was conducted.

The pulse radar operating at 500 MHz mapped the oil presence and distribution in both cells and detected oil under ice while airborne hanging from a gantry. The new frequency modulated system operating over the .5 to 3 GHz range achieved one primary objective of isolating the signal from the interference with the gantry.

However, interpretation of the multiple reflections with of the new antennae was not straight forward with the electronics utilized. The team is further developing and improving the system with more testing scheduled at CRREL and on the North Slope in 2012.

More oleophilic skimmer tests were conducted on the North Slope in March 2011. Tests were conducted on the Crucial 13X30 fuzzy disk skimmer in accordance with ASTM F2709 utilizing fresh NorthStar crude oil. The fresh NorthStar crude created several safety concerns and the tests were cut short. However, information on the recovery rate was combined with information from earlier tests to determine an overall recovery rate. The recovery rate was in the 90 gallons per minute range.





Another project that ACS continues to support is the Nuclear Magnetic Resonance project for detection of oil in and under ice. In 2011 a team from ExxonMobil and New Mexico Resonance visited the slope to determine a location for a temporary test tank. The requirements for the location included minimum amount of electrical noise, no metal in immediate area, and access to construct a tank. A helicopter was also utilized to measure noise interference if deployed the unit was deployed from a helicopter. After some searching and testing, the east side of the Surfcoke Pad was selected. ACS is working with Alaska Department of Natural Resources on leasing that portion of the pad and with

the Cold Regions Research & Engineering Laboratory (CRREL) on design of the test tank. The tank will not be able to have metal in the construction and have the ability to regulate water temperature so the tank won't freeze completely to the bottom. Testing is being considered for the spring of 2012.

The Arctic Spill Response Task Force was less active with projects in 2011. The task force reviewed technology and research needs for oil spills in ice and cold climates. ACS is currently working with them to sponsor a Mechanical Recovery in Ice workshop in the spring of 2012.

ACS COMMITTEES

Six committees staffed by member company representatives have been established to assist ACS. ACS appreciates the support and expertise these individuals contribute towards all aspects of our business operations.

<i>Trust & Retirement</i>	Joseph Falcone, Chair	ConocoPhillips, Alaska Inc
	Tim Adamczyk	Alyeska Pipeline Service Company
	Richard Dorazil	BP America
<i>Legal</i>	Randal Buckendorf	BP Exploration (Alaska), Inc.
	Natalie Eades	Anadarko Petroleum Company
	Steve Ellis	Alaska Clean Seas
	Jon Goltz	ConocoPhillips, Alaska Inc.
	Charles Stephen Luna	ExxonMobil (Houston)
	Andrew Sorenson	Alyeska Pipeline Service Company
	Marc Stone	Shell Legal US
	Craig Sturtevant	Pioneer Natural Resources Alaska, Inc.
<i>Accounting</i>	Brad Campbell, Chair	BP Exploration (Alaska), Inc.
	Peter Karchere	ConocoPhillips, Alaska Inc.
	Kenny Lee	Pioneer Natural Resources Alaska, Inc.
	Kip Othold	ENI Petroleum
<i>HR</i>	Sandy Beitel	BP Exploration (Alaska), Inc.
	Donald Boucher	ExxonMobil Production Company
	Bill Hurley	ConocoPhillips, Alaska Inc.
<i>Operations Review</i>	Ed Wieliczkiwicz, Chair	BP Exploration (Alaska), Inc.
	Earl Rose	Alyeska Pipeline Service Company
	Kristen Ballard	Brooks Range Petroleum Corporation
	Kim Bowen	Anadarko Petroleum Company
	Jeanie Shifflett	ConocoPhillips, Alaska Inc.
	Larry Burgess	ENI Petroleum
	Geoffrey Merrell	Shell Exploration and Production
	Mark Pohler	ExxonMobil Production Company
	Dan Cutting	Pioneer Natural Resources Alaska, Inc.
<i>R & D</i>	Eppie Hogan, Chair	BP Exploration (Alaska), Inc.
	Tim Nedwed	ExxonMobil Production Company
	Victoria Broje	Shell Global Solutions (US) Inc.
	Jessica Rauchenstein	Pioneer Natural Resources
	Heather Collins-Ballot	ConocoPhillips, Alaska Inc.

BOARD OF DIRECTORS

Dave Zink
Chairman

ConocoPhillips (Alaska), Inc.



Mark DeVries
Vice-Chairman

BP Exploration (Alaska), Inc.



Zane Henning

Savant Alaska



Bill Hanenberg

ExxonMobil



Bonnie Smith

Pioneer Natural Resources (Alaska), Inc.



David Moles

ENI Petroleum



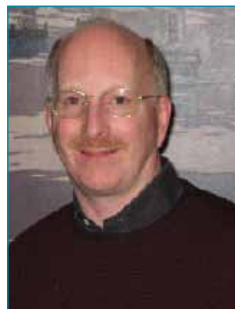
Wes Willson

Alyeska Pipeline Service Company



Mark Hanley

Anadarko Petroleum Corporation



NON VOTING BOARD OF DIRECTOR MEMBERS

Bart Armfield

Brooks Range Petroleum Corporation

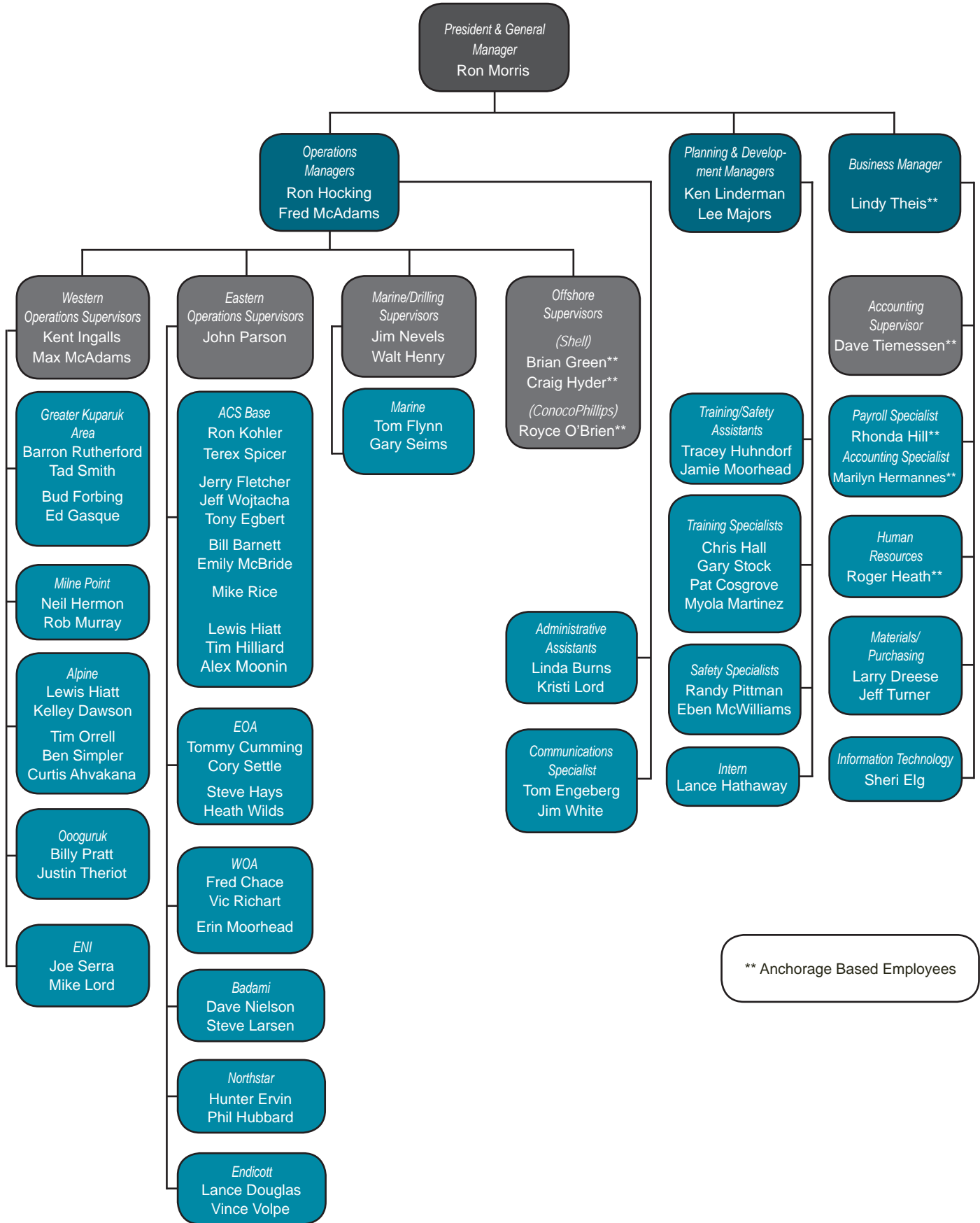
Corey Houghton

Repsol Services Company

Susan Moore

Shell Offshore Incorporated

ORGANIZATION CHART



** Anchorage Based Employees



Ron Morris

*President & General Manager
ACS Start Date: 2006*

Ron joined ACS after a 33-year career in the Coast Guard with over 27 of those years in marine safety, pollution prevention and response. He served three tours of duty in Alaska in leadership positions, including Valdez as Captain of the Port for Prince William Sound and Anchorage as Captain of the Port for Western Alaska where he was the Federal On-Scene Coordinator for the response to the grounded Selendang Ayu on Unalaska Island.

Fred McAdams, STS

*Operations Manager
ACS Start Date: 1994*

Fred started his North Slope career in 1981 working ice road construction and moved into the environmental arena in 1988. He started with ACS as a contractor in 1992. In the last 20 years, Fred has been involved in most of the major North Slope oil spills filling many roles.



Ron Hocking

*Operations Manager
ACS Start Date: 1999*

Ron started his North Slope career in June, 1977. As an Environmental Supervisor for BP and Arco, he has been involved in all North Slope spills since 1982 in one way or another. In 1999, Ron became the Operations Manager for ACS.

Lee Majors, OHST

*Planning Manager
ACS Start Date: 1999*

Lee has been the Planning & Development Manager since 2000. Prior to ACS he retired from the U.S. Coast Guard with 20 years of service of which 10 years was in Marine safety and pollution response. He was also the Base Manager for the Navy Supervisor of Salvage Base at Ft. Richardson, Alaska. Lee has 25+ years of oil spill response and management experience.



Ken Linderman

*Planning Manager
ACS Start Date: 1991*

Ken started his oil spill response career in 1983 with Alaska Offshore providing environmental services to winter drilling operations and oil spill response on the North Slope. Ken then moved on to VRCA Environmental Services before he joined ACS.

Lindy Theis, CPA

*Secretary/ Treasurer & Business Manager
ACS Start Date: 2004*

Lindy has several years experience in oil spill response as well as industry taxation, accounting, audit and contracts. She started working for ARCO Alaska in 1988 and moved to the spill response industry in 1998. During spill responses and drills, Lindy has filled the role of Finance Section Chief and held positions in the Logistics Section. She also works with other OSRO's participating in drills and assisting with business practices.



EMPLOYEES

Western Operations - Kuparuk

Kent Ingalls

Western Operations Supervisor

Kent has participated in several major spills such as the Mile Post 400 Trans-Alaska Pipeline Spill in 2001. Prior to joining ACS, he worked out of the BP WOA environmental shop for six years.



Max McAdams

Western Operations Supervisor

ACS Start Date: 1994

Max started working for ACS in 1990 as a contractor. Prior to ACS, Max worked for VRCA Environmental Services on many spills and environmental projects. He has performed several different roles in spills from the shovel wielding rock washer to incident commander.

Barron Rutherford

Lead Spill Technician

Barron has worked directly for Alaska Clean Seas since 1995. He worked at ACS Base, Exploration Drilling, West Dock and most fields. Barron currently works as a Lead Tech in the Kuparuk Field. Prior to working for ACS Barron co-owned The M/V Nancy H and worked on contract for the Exxon Valdez Spill Response, he engaged in various marine charter projects, and commercial fished. "I am especially fortunate to have my lovely wife and three fantastic children". Barron earned a Bachelors of Arts from The University of Southern California and holds a USCG 100 ton Master License.



Tad Smith

Lead Spill Technician

ACS Start Date: 1994

Tad worked for VRCA prior to ACS. He has participated in several major spills and has experience in remote winter drilling.

Bud Forbing

Mechanic

ACS Start Date: 1981

Bud has been with ACS longer than any other ACS employee! He has been involved with many major North Slope spills, as well as others around the state. He has served as a team member, team lead, heavy equipment operator, and on-scene commander.



Ed Gasque

Mechanic

ACS Start Date: 2001

Ed has provided support to several spills. His roles have included that of a spill responder, equipment operator, mechanic and fill-in for leads.

Western Operations - Milne Point

Neil Hermon

Lead Spill Technician

ACS Start Date: 1995

During a spill response Neil has filled the roles of laborer, equipment operator, on scene commander and post clean-up coordinator. Prior to ACS, Neil worked as an Environmental Technician for Veco.



Rob Murray

Lead Spill Technician

ACS Start Date: 1997

Prior to ACS Rob worked for VRCA. He has participated in several large spills throughout Alaska and provided exploration coverage for ACS from the Colville Delta to Pt. Thomson.

Western Operations - Alpine

Kelley Dawson

Lead Spill Technician
ACS Start Date: 2004

Kelley was the operations manager for Clean Rivers Cooperative in Portland, Oregon, before he joined ACS.



Lewis Hiatt

Lead Spill Technician

Lewis was hired by ACS in May of 2010, but he wasn't new to us. He worked 3 years as a CCI contractor in our marine department as a vessel operator and a technician in the winter drilling program. Prior to slope work, Lewis spent 25 years commercial fishing in southeast Alaska.

Tim Orrell

Support Technician
ACS Start Date: 2009

Tim joined ACS in May of 2009. He was a mechanic at ACS Base for six months before moving over to the Mechanic/ Spill Technician position at Alpine. Tim was contracted to ACS as a P.M. Mechanic through CCI for one year before becoming a full-time employee with ACS.



Ben Simpler

Support Technician
ACS Start Date: 2008

Ben worked for CCI as a contractor to the marine department for 2.5 years before joining ACS. Prior to that he was a truck and heavy equipment mechanic for 8 years and a commercial fisherman in Alaska for 6 years on a family operated fishing vessel.



Curtis Ahvakana

Support Technician
ACS Start Date: 2008

Curtis joined ACS as part of the two year ConocoPhillips internship program. Upon completion of the internship he became an ACS employee assigned to the Alpine facility. Prior to ACS, Curtis worked in Kuparuk for AES as a welder for 3 years.

Western Operations - Pioneer Oooguruk

Billy Pratt

Lead Spill Technician
ACS Start Date: 2008

Billy joined ACS as warehouse support technician. He then joined WOA as the support technician. Billy was recently promoted to Lead Spill Technician for Oooguruk. Prior to joining ACS, Billy worked for PENCO as a lead spill technician.



Justin Theriot

Lead Spill Technician
ACS Start Date: 2011

Justin started working spill response during the Selendang Ayu spill. He worked the GC2 spill on the slope and has been up here since. His experiences have included being a crew boat captain and a winter drilling technician. Justin comes from a commercial fishing background and holds a 100 ton license.

EMPLOYEES

Western Operations - ENI

Mike Lord

Lead Spill Technician
ACS Start Date: 2007

Mike worked for PENCO before joining ACS. His prior experience spill response experience includes working on the Selendang Ayu spill in Dutch Harbor, GC2, FS2, Lisburne, and spent several months in the Gulf of Mexico.



Joe Serra

Lead Spill Technician

Joe has worked on numerous material spills, including crude oil, xylene, acid, thermal, glycol, NGLs, drilling mud and diesel. In addition to spill response, Joe is active in the fire and rescue teams.

Eastern Operations - ACS Base



John Parson, STS

Eastern Operations Supervisor
ACS Start Date: 2000

John worked at CISPRI and SEAPRO for many years before joining ACS. John has been involved in numerous major spills serving as a spill technician to operations section chief. John recently earned the Safety Trained Supervisor certification.

Linda Burns

Administrative Assistant
ACS Start Date: 2001

Linda brought years of communications experience to ACS when she joined in June, 2001. As the Administrative Assistant, Linda is usually the first point of contact during a spill. She maintains the flow of communication, coordinates mutual aid notification, and makes travel and billeting arrangements.



Kristi Lord

Administrative Assistant
ACS Start Date: 2008

Prior to ACS Kristi worked in contracts control for the IT department at Alyeska Pipeline as a contractor through Chugach Development Corporation. Kristi has a BA in Economics with a minor in Business Administration from the University of Alaska Anchorage.

Information Technology



Sheri Elg

IT Coordinator
ACS Start Date: 2000

In Sheri's ten years with ACS she has worked in a variety of positions to include; administrative assistant, training assistant, backfill for materials and purchasing, desktop support and IT specialist. Sheri continues to enjoy the everyday challenges that the IT field offers and thrives on supporting her co-workers with their computer needs. She serves as the ACS United Way Coordinator.

Eastern Operations - ACS Base

Emily McBride

Warehouse Lead Technician
ACS Start Date: 2006

Emily began working for ACS in 2004 as a contractor. She provides logistical & resource support in a spill response.



William Barnett

Warehouse Lead Technician
ACS Start Date: 2008

Bill started working on the Slope over three years ago as a contractor to the ACS marine and drilling department. Prior to ACS, Bill worked in the Gulf of Mexico in the commercial dive industry for 5 years and was a carpenter for 12 years.

Mike Rice

Support Technician
ACS Start Date: 2008

Mike joined ACS as Warehouse/Spill Support Tech in 2006. Mike has worked on the North Slope for over 20 years with 10 years of spill response experience. Mike is also a certified Firefighter-1 and EMT-1.



Ron Kohler

Lead Mechanic
ACS Start Date: 2000

Prior to ACS Ron spent nine years in the Air Force and worked as the Environmental Coordinator for the Eielson AFB Vehicle Maintenance section. Ron has participated in several major oil spills both on and off the North Slope including DS14, D-Pad, GC2, 36Y, Mile Post 400 and many others. Ron has worked as a spill technician, mechanic, equipment operator, team leader and on-scene commander.



Terex Spicer

Lead Mechanic
ACS Start Date: 2009

Terex has over ten years of heavy and light duty equipment service and repair experience. He is a certified heavy equipment operator with 5+ years construction background as well as underground storage tank installations and de-commission. He is also an ASE certified heavy and light duty automotive technician with 10+ years in the field, owned his own repair shop for three years and has over five years experience with fabrication and building custom off-road vehicles.

Jerry Fletcher

Mechanic
ACS Start Date: 2011

Jerry was contracted to ACS by CCI before he was hired by ACS in February. Jerry is a certified ASE heavy and light duty mechanic with 40 years experience.



Jeff Wojtacha

Mechanic
ACS Start Date: 2011

Jeff started his North Slope career with CCI as a Spill Technician Mechanic contractor at ACS Base. He was hired by ACS in February 2011. Jeff has over 15 years of experience as an ASE certified light and heavy duty equipment mechanic. He also has a background in repairing outboard and marine engines. Jeff has been involved in several small spills throughout the North Slope.

Tony Egbert

Mechanic
ACS Start Date: 2006

Tony joined ACS as a base mechanic after working over 2 years as a contract employee in the shop. He provides spill response support as a mechanic, equipment operator, or rock polisher.



EMPLOYEES

Eastern Operations - WOA

Fred Chace

Lead Spill Technician
ACS Start Date: 2001

Before joining ACS Fred worked for CCI for five years and was involved with the spill response team. He also worked for an environmental company in Oregon doing HAZMAT response, waste handling, and maintaining super-fund sites. In the past nine years Fred has had the opportunity to work at Milne Point, ACS Base, and WOA as a spill technician in the warehouse.



Vic Richart

Lead Spill Technician

Prior to ACS Vic worked for VRCA and APC performing spill response cleanup. In 1995, Vic was assigned under contract to work for ACS at the warehouse and EOA.



Erin Moorhead

Support Technician

Prior to ACS, Erin worked for Pacific Environmental Corporation both in Hawaii and Alaska. Erin first came to Alaska to work on the Slope for the GC2 spill in March 2006.

Eastern Operations - Northstar

Hunter Ervin

Lead Spill Technician
ACS Start Date: 2001

Prior to ACS, Hunter worked for CCI and Chadux. He has held the roles of on-scene commander, task force leader, decontamination lead and as a general site clean-up technician.



Phil Hubbard

Lead Spill Technician
ACS Start Date: 2008

Phil joined ACS as a mechanic and has since moved to Northstar as a Lead Spill Teck. Prior to ACS, he was contracted to ACS by CCI. Phil is a certified marine and power equipment technician with 20 years of in-shop experience.

Eastern Operations - Badami

Dave Nielson

Lead Spill Technician
ACS Start Date: 2001

Dave has been involved in many responses to spills on the north slope. Prior to ACS, Dave worked the ice roads and the grind and inject project. He provides mainly mechanical and logistical support during a spill.



Steve Larsen

Lead Spill Technician
ACS Start Date: 2001

Steve worked drill site maintenance in EOA and was part of the spill response team before he was hired by ACS.

Eastern Operations - EOA

Thomas Cumming

Lead Spill Technician
ACS Start Date: 1995

Thomas has participated in "too many spills to count." As the EOA lead spill technician, he has a long list of job duties ranging from the deployment of thousands of feet of boom to providing quality weekly spill response team training.



Cory Settle

Lead Spill Technician
ACS Start Date: 2011

Cory has over 10 years of spill response experience. He has worked with ACS as a contractor for 8 years and has been involved in numerous spill cleanups throughout the North Slope. Cory was hired back with ACS in April 2011.

Heath Wilds

Support Technician
ACS Start Date: 2006

Heath was contracted to ACS as a mechanic through CCI from 2003 to 2006. He is experienced in various types of hazardous material cleanup including lead, asbestos and PCB's. Heath has participated in several spills such as the Flow Station 2 Transit Leak, GC2, Drill Site 13 and Kuparuk 2H spills.



Steve Hays

Support Technician

Since joining ACS in 2001, Steve has been involved in numerous spill responses, including the Gulf of Mexico oil spill. He has filled a variety of roles in all of them. Steve has had the opportunity to work the start-ups of the Badami, NorthStar, Oooguruk and Nikaitchuq fields as both a spill technician and a lead spill technician.

Eastern Operations - Endicott

Lance Douglas

Lead Spill Technician
ACS Start Date: 1994

Lance has supported the Chukchi Sea project, worked at Base and Kuparuk, and has overseen the design and construction of many of the ACS vessels; as well as supported many other special projects.



Vince Volpe

Lead Spill Technician
ACS Start Date: 1995

Vince worked as a spill technician with Veco Environmental before joining ACS and has been involved in a long list of spills.

Communications Specialist - ACS Base

Thomas Engeberg

Communications Specialist
ACS Start Date: 2007

Tom began working on the north slope in 1990 as a contractor for Arco Communications. Tom joined the EOA spill response team in 1994 and has participated in several spill responses.



Jim White

Communications Specialist
ACS Start Date: 2008

Jim brings a diverse skill set to ACS having served in the U.S. Air Force for 21 years. Jim worked on a JP8 fuel spill in Anchorage in 1989.

EMPLOYEES

Marine/Drilling

Jim Nevels

Marine/Drilling Supervisor
ACS Start Date: 1994

Before ACS Jim worked with Red Dog Mine in off-shore fuel transfer and day to day spill response, worked in the Cook Inlet on a response vessel, and was involved in winter exploration drilling.



Walt Henry

Marine/Drilling Supervisor
ACS Start Date: 1995

Walt worked as superintendent for Veco Environmental in 1989 and as a Veco spill technician in 1992 before he joined ACS. Walt has been involved in a long list of major spills.

Gary Seims, STS

Marine Lead Technician
ACS Start Date: 2008

Gary was hired by ACS in 2008 after 6 years as a CCI contractor working in the marine department as a vessel operator, spill technician, and warehouse support technician. Gary has spill response experience beginning with the Exxon Valdez spill and as a contractor to SERVUS and CISPRI.



Tom Flynn

Marine Lead Technician
ACS Start Date: 2008

Tom was hired by CCI in 2002 and contracted to ACS as a drilling spill technician, captain, and marine lead. He was hired by ACS in 2008 as the marine lead. He started in oil spill response with Alaska Offshore in the early 1980's.

Safety Specialists

Eben McWilliams, OHST

Safety Specialist

Eben joined ACS with a strong background in petroleum construction, production and maintenance safety. He has continued his education and received certification as a Registered Safety Professional (RSP), Construction Health and Safety Technician (CHST), and an Occupational Health and Safety Technician (OHST).



Randy Pittman, CSP

Safety Specialist
ACS Start Date: 2004

Randy has over 20 years of North Slope experience with 15 years in Emergency Response. He brings many facets of his safety background (construction, maintenance, operations and drilling / wells) to ACS. Randy has achieved numerous global nationally recognized safety credentials. Most notably: CSP (Certified Safety Professional), OHST (Occupational Health and Safety Technician), CHST (Construction Health and Safety Technician), COHC (Certified Occupational Hearing Conservationist), Advanced Safety Certificate (National Safety Council), Corporate Safety Management Certificate (American Society of Safety Engineers) and ITI Qualified Rigging Inspector. He is also active with the North Slope Training Cooperative as a Trainer/Evaluator. Randy is a professional member of the American Society of Safety Engineers. Randy earned a Bachelor of Science degree in Criminology from the University of Nebraska.

Training

Chris Hall

Training Specialist
ACS Start Date: 2005

Chris has worked in the spill response and incident management field since 1991 as a consultant to USCG, NOAA, and O'Brien's Response Management, plus many other federal, state, and private industry organizations.



Myola Martinez

Training Specialist
ACS Start Date: 2011

Myola has worked in the marine industry and incident management field since 2003. Prior to joining ACS Myola worked for the Washington State spills program and the U.S. Coast Guard in the marine safety field focused on pollution response and incident management.

Pat Cosgrove

Training Specialist
ACS Start Date: 2007

Pat worked for four years with SEACOR, O'Brien's Response Management & National Response Corporation prior to coming to ACS. With these organizations he participated on spills around the country and conducted international training, consulting and drill coordinating. He also served five years as a Vessel Superintendent at a containership facility and nine years in the U.S. Coast Guard as a Boarding Officer, Vessel Inspector and Pollution Investigator.



Gary Stock

Training Specialist

Gary has spent almost 28 years in the marine industry and spill response community. His experience includes 20 years in the U.S. Coast Guard, base manager for the Alaska Navy Supervisor of Salvage and three years with an international spill response contractor.

Tracey Huhndorf

Training/Safety Assistant
ACS Start Date: 2001

With a Bachelor of Science degree from Northeast Missouri State University (AKA Truman University), Tracey has worked in the training department since her arrival at ACS in 2001. Her duties include training data documentation, publication design, administrative work, and training coordination.



Jamie Moorhead

Training/Safety Assistant

Prior to ACS Jamie worked at the Matsu Borough in Palmer, Alaska. She has an Associate of Arts degree from the University of Alaska Anchorage. Jamie obtained the Certified Administrative Professional (CAP) certification in 2008.



Lance Hathaway

Intern

Prior to coming on board with ACS under the ConocoPhillips internship, Lance spent two years working with both AES and Doyon drilling as a roustabout over in the Alpine field. Before coming back to the Northern oil fields, he was working with ASRC as a Desktop Technician.

EMPLOYEES

Offshore Supervisors - Shell

Brian Green

*Offshore Supervisor
ACS Start Date: 2001*

Brian has worked with SEAPRO, CISPRI, VECO/ CIRO, and VRCA. He has responded to numerous spills in southcentral Alaska, southeast Alaska, and on the north slope. Brian joined ACS as a training specialist and later fulfilled the roles of IMT training specialist and the ACS operations resource specialist.



Craig Hyder

*Offshore Supervisor
ACS Start Date: 2009*

Before joining ACS Craig worked with CISPRI as a Spill Technician and Peak Oilfield Services as an HSE Specialist. Craig has 5 years experience as a Fire Fighter/ Hazmat Technician in the USAF and is currently serving in the USCG Reserves as a Marine Science Technician with responsibilities that include marine safety, pollution response and investigation and maritime Security.

Offshore Supervisor - ConocoPhillips



Royce O'Brien, OHST

*Offshore Supervisor
ACS Start Date: 2000*

Royce became involved with ACS as part of the Drilling & Marine Department in 1997. Since then he has worked at several member company assets as well as six years as an Operations Supervisor. Prior to joining ACS, Royce worked 16 years as a commercial fisherman throughout Alaska.

Field Support Lead Spill Technicians

Greg Guild

*Field Support Lead Spill Technician
ACS Start Date: 1994*

Greg came to ACS in 1990 as a contractor and has held positions in both operations and logistics over the years. He has worked at several ACS outlying areas representing Alaska Clean Seas.



Tim Hilliard

*Field Support Lead Spill Technician
ACS Start Date: 2009*

Prior to ACS Tim worked as an operations supervisor for American Marine/ Pacific Environmental. He has ten years of experience in hazardous materials remediation, three and a half years in oil spill clean-up, and twenty years of experience in working in extremely remote environments.

Alex Moonin

*Field Support Lead Spill Technician
ACS Start Date: 2008*

Alex started working on the slope 9 years ago as a spill responder for CCI. He also worked as a winter drilling support technician, in the marine department on the response barge, and as a support technician. He spent 5 years working for ASRC where he spent a year and half on the Kuparuk spill response team.



Materials/Purchasing

Larry Dreese

Materials/Purchasing Specialist
ACS Start Date: 2006

Prior to joining the ACS Team Larry was with the BP material operations team for 16 years with 15 years on the north slope. Larry is a twelve-year member of the WOA Spill Response Team and has supported several large spills. Larry's oil spill response experience started with the Exxon Valdez oil spill. In addition, Larry is also a certified Fire Fighter I and has been on the Greater Prudhoe Bay emergency response team for 17 years.



Jeff Turner

Materials/Purchasing Specialist
ACS Start Date: 2012

Jeff brings 17 years procurement experience, ranging from support industries to military and construction. His career also includes Contracts management – from solicitation and evaluations to awarding and auditing. His background includes several years of overseas procurement and logistics in Iraq.

Finance

Dave Tiemessen

Accounting Supervisor
ACS Start Date: 2010

Dave brings over 25 years experience in financial accounting, budgeting and analysis to ACS. Prior to ACS he worked in the telecommunications and other support industries for 22 years and public accounting for 3 years. Dave has enjoyed learning the spill response industry and has taken the opportunity to meet with Member company financial counterparts to explain Cost Sharing Principles and accounting processes.



Marilyn Hermannes

Accounting Specialist
ACS Start Date: 2006

Marilyn brings a wide breadth of accounting experience to ACS. She has traveled extensively and because of that she has worked for many companies around the country in many accounting and payroll departments. She is primarily responsible for Accounts Receivable and Accounts Payable.



Rhonda Hill, CPP

Payroll Specialist
ACS Start Date: 2003

Rhonda has over twenty years experience working in all areas of accounting and payroll. Her primary responsibility is payroll. She's a member of the American Payroll Association. She serves as the ACS United Way Coordinator.

Human Resources

Roger Heath

Human Resource Generalist

Roger brings over 25 years experience in Human Resources to ACS. His career includes over 21 years experience with the Air Force and 4 years with an Alaska Native Village Corporation prior to joining ACS. His diverse HR background includes union labor negotiations and conflict resolution. At ACS Roger is involved with hiring and recruitment actions, benefits, compensation, employee relations, compliance and employment law, and the drug and alcohol program. He is committed to building skills, growing confidence, and encouraging and motivating people to act in ways that help achieve the ACS workplace vision.



EQUIPMENT

Skimmers

Description	Quantity	Nameplate Pumping Capacity (BPH)	De-Rated Pumping Capacity (BPH)
LORI Chain Brush	12	271	217
Transrec 250 Weir	1	1,570	314
Vikoma Fasflow Weir	5	143	29
Foxtail 4-9	1	249	199
Desmi Weir Ocean & Harbor	3	628/440	9/88
Disc	43	100/189	3-10
Drum/Brush (6.5"-36")	52	33-168	26-134
Rope Mops	35	14	11
Sea Vac Heli-Skimmer	1	944	189
Manta Ray	48	34	7
T-54 Disc	2	340	68
Walosep W1 & W4	1 (ea)	250/566	50-113
Vacuum Units	7	N/A	N/A



Foxtail



Foxtail 4-9 V.A.B.



T-54 Disc Skimmer



MI-30 & MI 11/24 Disc



T-54 Deployment



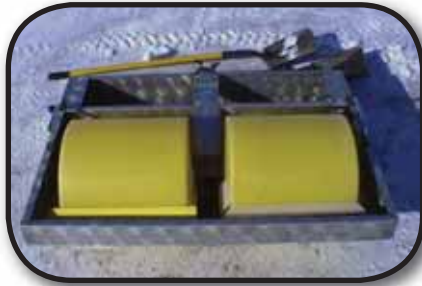
TransRec 250



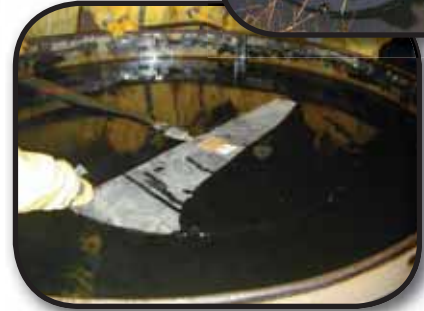
*Mini-Max
Brush*



*Manta
Ray*



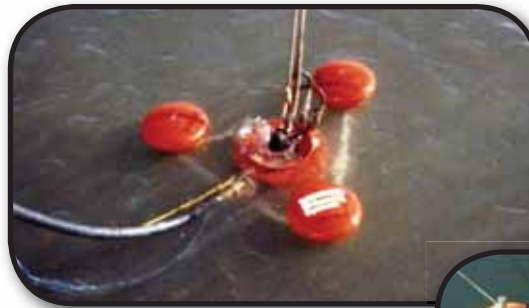
Drum



*Desmi
Weir*



*Walosep
Weir*



LORI Brush

*Komara
Disc*



*Vikoma
Fasflow*

EQUIPMENT

Storage

Type	Volume (gal)	Quantity
650 bbl Barge	27,300 (ea)	1
125 bbl Mini-Barge	5,376 (ea)	2
249 bbl Mini-Barge	10,458 (ea)	12
Tank Bladders	500-5,000	34
Fastank/Fold-A-Tank	360-3,000	172
Self Rising Tank	2,500 (ea)	50

Mini-Barge 249



Mini-Barge 125



650 bbl Barge



*Tank Bladder
(Tow/Lift)*



Fastank Storage



Upright Tank



Fold-A-Tank



Fastank



Self-Rising Tank

EQUIPMENT

Vessel Summary

Type	Length (feet)	Quantity
Offshore Landing Craft	45-55	2
Offshore Bay Boats	42	4
Offshore Munson Boats	38	2
Offshore Work Boats	28-32	4
Offshore Island Boats	25	4
Nearshore Landing Craft	20-34	6
Nearshore/Inland Work Boats	12-26	44
Airboats	19-30	30



Bay Boat



Big Dipper

Boom Summary

Type	Size (Inches)	Quantity (feet)
River/Protected Water	10-14	208,150
Open Water	36 or greater	22,663
NOFI Boom Bags (7)	24-34	5,428
Shore Seal Boom	NA	20,850
Light Ocean Boom	27-35	10,200
Fire Boom	20-42	19,450
Harbor Boom	20-26	20,900



NOFI Boom



River Boom & Deflectors



RoBoom



Island Boat



North Star



Airboats



Small Landing Craft



Snow White



Fire Boom



Shore Seal Boom



Heavy Ocean Boom (Lamor)



Light Ocean Boom (Abasco)

EQUIPMENT

Logistical & Miscellaneous Equipment

Type	Quantity
Autocar/Semi Trucks	5
Dump Truck	1
Boom Truck	2
Mechanics Trailer	3
Passenger/Work Trucks	11
Front End Loaders (w/ attachments)	5
Bobcat/Skid Steer Loaders	11
Warehouse Fork Lifts	3
Kubota ATV's w/Matrx	10
Centaur 8-Wheel ATV's	3
4-Wheel ATV's	12
6-Wheel ATV's	2
Snowmachines	38
Winter Response Vans	4
Light Plants & Stands	50
Diesel Generators	70
Indirect Fired Heaters	14
20' & 40' Connexes	381
Portable Communication Towers	2
Portable Communication Shelters	2
Handheld & Mobile Radios	587
Hydraulic Power Units	124
14- Passenger Bus	1
Gasoline Generators	45
Direct Fired Heater	1

Burning Equipment

Equipment	Quantity
Heli-Torch (55 gal)	6
Heli-Torch Batch Gel Mixers	2

Front End Loader



Loader Attachments



Argo



Challenger



Heli-Torch



Autocar (Boom Truck)



Bobcat with Trimmer



Kubota



Medium Duty Flatbed



Ice Auger



Loader w/Ice Buster Attachment



Chainsaw/Rube Witch



14- Passenger Bus



4 x 4 ATV



Orion Spill Tracking System w/40 Buoys



Wildlife Kits



Snow Blower

EQUIPMENT

Pump Summary

Description	Size	Quantity	Nameplate Pumping Capacity (gpm)
Diaphragm, Air	3-4"	17	260
Diaphragm, Diesel	2"	3	86
Diaphragm, Diesel	3"	33	100-250 Depending on Manufacturer
Diaphragm, Gas	3"	12	80
Submersible	3"	8	110-285
Submersible, DOP 250	6"	17	110-628
Trash, Diesel	2"	19	220
Trash, Diesel	3"	45	330-340 Depending on Manufacturer
Trash, Diesel	4"	20	340-750 Depending on Manufacturer
Peristaltic	2"	12	115



2" Trash Pump



3" Air Diaphragm Pump



Medical

Centers & Units

Type	Quantity
Mobile Command Center	5
Staging Area Manager Office	5
Decon (Dry) Trailers	6
Decon (Wet) Trailers	2
Envirovacs	4
Portable Warmup Trailers	5
Weatherports	53
Bird Stabilization Center	1



Staging Area Management Office



4" Trash Pump



4" Trash Pump w/Annular Injection Flange



Winter Response Van

Mobile Command Centers



Mechanic Trailer



Decon Trailers



CONTACT INFO

*24-Hour Emergency Number
(907) 659-2405*

www.alaskacleanseas.org

<i>Position</i>	<i>Employee</i>	<i>Office</i>	<i>Mobile</i>	<i>Email</i>
President & General Manager	Ron Morris	(907) 659-3220 (Slope) (907) 644-2604 (Anch)	(907) 317-0915	GM@alaskacleanseas.org
Operations Manager	Ron Hocking Fred McAdams	(907) 659-3202	(907) 943-1861	opmanager@alaskacleanseas.org
Planning & Development Manager	Ken Linderman Lee Majors	(907) 659-3207	(907) 943-1867	planning@alaskacleanseas.org
Business Manager	Lindy Theis	(907) 644-2603	(907) 317-5528	finance@alaskacleanseas.org
Eastern Operations Supervisor	John Parson	(907) 659-3205	(907) 943-1866	opsupeoa@alaskacleanseas.org
Western Operations Supervisor	Kent Ingalls Max McAdams	(907) 659-7919	(907) 943-1862	n1227@conocophillips.com
Marine/Drilling Supervisor	Jim Nevels Walter Henry	(907) 659-3245	(907) 659-0813	drilling-marine@alaskacleanseas.org
Offshore Supervisor (Shell)	Brian Green Craig Hyder	(907) 771-7253	NA	offshore@alaskacleanseas.org
Offshore Supervisor (ConocoPhillips)	Royce O'Brien	(907) 265-6933	(907) 903-0305	Royce.O'Brien@contractor.conocophillips.com
Accounting Supervisor	David Tiemessen	(907) 644-2602	NA	accountingsup@alaskacleanseas.org

North Slope Office:

*Alaska Clean Seas
Pouch 340022
Prudhoe Bay, AK 99734*

*Phone: (907) 659-2405
Fax: (907) 659-2616*

Anchorage Office:

*Alaska Clean Seas
4720 Business Park Blvd., Suite G42
Anchorage, AK 99503*

*Phone: (907) 743-8989
Fax: (907) 743-8988*