

ALASKA REGIONAL RESPONSE TEAM

Meeting Summary

0900–1700 Wednesday January 31, 2018
BP Energy Center
Anchorage, Alaska

Note: Links in this document are no longer valid. All presentations are provided below in this document.

Sign-in sheets can be viewed [here](#).

A copy of the agenda is available [here](#).

Copies of the presentations and handouts are available on the Alaska Regional Response Team website, under ARRT Meetings at <http://alaskarrt.org>

Safety Briefing, Introductions, Opening Remarks

Mr. Nick Knowles, the U.S. Environmental Protection Agency (EPA), Alaska Regional Response Team (ARRT) coordinator, welcomed the meeting attendees and conducted introductions. The ARRT co-chairs—Mr. Mark Everett, U.S. Coast Guard (USCG); Mr. Calvin Terada, EPA; and Ms. Kristin Ryan, Alaska Department of Environmental Conservation (ADEC)—welcomed all the attendees to the meeting and offered opening remarks.

Review of Actions Since Last Meeting and Biennial Work Plan

Mr. Everett reviewed the ARRT's actions and activities since the last meeting, held in Cordova, Alaska, in September 2017. A list of the major events may be found [here](#). Of note, the Dispersant Use Policy is in full effect with the completion of the identification of pre-authorization avoidance areas.

Marc Randolph, USCG ARRT coordinator, reviewed the tasks outstanding from the September 2017 meeting. These outstanding tasks are included in the "Follow-up Subjects and Assignment of Tasks" on Page 6 of this meeting summary.

Mr. Terada and Ms. Ryan also offered opening reports, both noting their support and enthusiasm for the new planning revitalization and reorganization process. Ms. Ryan also reviewed the ADEC regulatory and legislative efforts, including a regulation allowing for a covenant assigned to properties with environmental contamination and legislation clarifying when ADEC will seek cost recovery for spill cleanup costs. Ms. Ryan also recognized the increase in participation by industry and native corporation representatives at the meeting.

Working Group, Subcommittee, and Task Force Reports

Science and Technology Committee

Ms. Catherine Berg, National Oceanic and Atmospheric Administration Scientific Support Coordinator, provided an update on the Science and Technology Committee (STC). She reviewed the status of the “State of the Science for Dispersant Use in Arctic Waters” project. The ARRT Dispersant Task Force completed Oil Dispersant Guidelines, Dispersant Avoidance Area Sections by Subarea, and the On-Scene Coordinators (OSCs) signed the promulgation letters. These files are posted online on the ADEC website according to subarea at <http://dec.alaska.gov/spar/ppr/contingency-plans/response-plans/>. Ms. Berg introduced two new members of the STC: Tim Mayers (EPA) and Angela Matz (U.S. Fish and Wildlife Service; USFWS). She noted that the Alaska Marine Science Symposium was held the previous week. STC members are also involved in planning the Alaska Oil Spill Technology Symposium (March 28–30, 2018 at Hilton Hotel in Anchorage, Alaska; <https://dec.alaska.gov/spar/ppr/response-resources/publications-conferences/aosts-2018>). Currently, Rick Bernhardt (ADEC) is looking for information on sea states and conditions when various types of boom begin to fail. The USFWS is looking into the use of unmanned aerial vehicles and impacts on molting sea ducks and has requested that any pertinent information be forwarded to Angela Matz.

A copy of her presentation is available [here](#).

Area Contingency Plan/Regional Contingency Plan Task Force Update

Mr. Knowles updated the ARRT on the reorganization of Alaska’s contingency plans and transition from the current Subarea Contingency Plans and Unified Plan to Area Contingency Plans (ACPs) and a Regional Contingency Plan (RCP). The new plans will consist of an RCP and four ACPs (three coastal plans covering the four USCG Captain of the Port Zones, and one inland plan). He reviewed the proposed new planning framework that includes the OSC Working Group, four Area Committees, and the Alaska Statewide Planning Committee.

Mr. Marc Randolph followed up Mr. Knowles’s presentation with a review of the Plan of Action and Milestones (PoA&M) for the plan development process. The task force intends to produce the initial four ACPs and RCPs for OSC approval and activation. Once that is accomplished, the plans will be turned over to the Area Committees for future maintenance and improvements. Once under that responsibility of the Area Committees, it is envisioned that the plans will be more localized with better opportunities for local involvement. Mr. Randolph encouraged participation in the Area Committees to fulfill this goal. The task force will be working on developing a Po&AM for the formation of the Area Committees. There was an open discussion for questions and comments on the Area Planning proposal and process and the Area Committees.

Area Committee Contacts		
Southeast Alaska	Kathy Hamblett	Kathy.A.Hamblett@uscg.mil
Prince William Sound	LT Jason Scott	Jason.R.Scott@uscg.mil
Arctic & Western Alaska	LCDR Matt Hobbie	Matthew.M.Hobbie@uscg.mil
Inland Area	Nick Knowles	knowles.nicholas@epa.gov

Copies of their presentations is available [here](#) and [here](#).

ARRT Cultural Resources Committee

Dr. Philip Johnson, U.S. Department of the Interior, updated the ARRT on the status of the ARRT Cultural Resources Committee. The committee has not met since the last ARRT meeting and are hoping to have a meeting in fall 2018.

ARRT Wildlife Protection Committee

Dr. Johnson also provided an update on the status of the ARRT Wildlife Protection Committee. The committee has reformed, and the first meeting of the committee since 2012 will be held February 1, 2018. A key agenda item is to discuss the need and determine the process for updating the Wildlife Protection Guidelines (Unified Plan, Annex M).

Unified Plan Administrative Update Task Force

Mr. Knowles presented on the status of the Unified Plan Administrative Update. The Administrative Update includes reviewing the entire plan for obsolete information, incorrect phone numbers, and web addresses and making necessary revisions. Since this is an administrative update, a public review was determined to be unnecessary. The Task Force expects to complete the Administrative Update by 2/9/2018 and submit it to the ARRT Tri-Chairs for their review and approval. Once approved by the ARRT Tri-chairs, the updated Unified Plan will be posted on the ADEC website. His presentation is available [here](#).

On-Scene Coordinator Reports

U.S. Coast Guard Southeast Captain of the Port (COTP) Zone

CAPT Phillip Thorne, USCG Sector Juneau Federal On-Scene Coordinator (FOSC), gave a presentation on recent USCG activity in Southeast Alaska. He highlighted the response to the F/V Ocean Gem grounding and sinking. He reviewed the USCG Sector Juneau outreach efforts at the SEAPRO Board Member Meeting and Juneau Rotary Club Breakfast. An area maritime security full-scale exercise will be held in April 2018, involving a hazardous material response on a ferry. Sector Juneau also plans to test one or two additional Geographic Response Strategies this upcoming summer season. A brief conversation about the issue of derelict vessels followed his presentation. A copy of his presentation is available [here](#).

U.S. Coast Guard Prince William Sound COTP Zone

CDR Michael Franklin, FOSC for Marine Safety Unit (MSU) Valdez, reviewed the spills and responses in Prince William Sound since September 2017. He highlighted a September discharge of emulsified crude oil at the Valdez Marine Terminal. MSU Valdez has participated in several exercises this year, including a Conoco Phillips/Polar Tankers exercise. CDR Franklin included the lessons learned from the major responses and exercises. He also reviewed recent upcoming activities, trainings, and exercises.

- March 21, 2018 – Prince William Sound Subarea Committee
- February 20–27, 2018 – Arctic Eagle 2018. This is a joint USCG-Alaska National Guard exercise with a hazardous material component.

A copy of his presentation is available [here](#).

U.S. Coast Guard Western Alaska COTP Zone

CAPT Sean MacKenzie, USCG Sector Anchorage FOSC, reviewed the recent responses and lessons learned in Western Alaska. Responses of particular note were the F/V Akutan response in Dutch Harbor, Alaska. A key lesson learned was the extended time required for the ammonia response and removal. He also reviewed recent preparedness exercises and outreach activities. Upcoming exercises and outreach events include a presentation on the dispersant use guidance project at the Alaska Forum on the Environment; the Oil Spill Technology Symposium; a Blue Crest Energy tabletop exercise; and the Arctic Guardian oil spill seminar and equipment deployment (scheduled for Bethel, Alaska, in July).

A copy of his presentation is available [here](#).

U.S. Environmental Protection Agency

Mr. Matt Carr, EPA FOSC, presented on the recent EPA response and preparedness activities. EPA participated in three Alyeska Pipeline System Corporation combined resource exercises. He also spoke on the regulatory rulemaking affecting interpretation of Clean Water Act jurisdiction and definition of the Waters of the U.S., which governs where EPA has jurisdiction under the Oil Pollution Act. EPA is planning a removal of asbestos containing material at the Miller Salvage yard in Fairbanks, Alaska, in summer 2018. Mr. Carr also provided brief review of EPA's contribution to the responses to the F/V Akutan, Hurricane Maria, Hurricane Irma, and the California wildfires.

A copy of his presentation is available [here](#).

Alaska Department of Environmental Conservation

The three ADEC State OSCs reviewed the major responses in their respective areas of responsibility: Mr. Tom DeRuyter, for Northern Region; Mr. Geoff Merrell for the Central Region; and Mr. Bob Mattson for the Southeast Region. Mr. Merrell also spoke on the response and actions taken regarding the earthquake and tsunami warning on January 25, 2018. Mr. Mattson highlighted the joint response between ADEC, USCG, and Canadian agencies to the Tug Jake Shearer and Fuel Barge Zidell 227.

A copy of their presentation is available [here](#).

General Discussion Topics and Special Presentations

USEPA Emergency Response Team

Mr. Henry Gerard presented an overview of the EPA Emergency Response Team and its capabilities and recent response support. His presentation is available [here](#).

Circumpolar Response Viability Analysis

Mr. Everett presented on the Arctic Council's Emergency Prevention, Preparedness, and Response Working Group Circumpolar Oil Spill Response Viability Analysis. This report assessed the potential for viable deployment of various spill response tactics and strategies in the Arctic in consideration of meteorology and oceanography conditions. It does not address the success of the tactics. His presentation is available [here](#).

Public Comments

Three members of the public in attendance (both in person and telephonically) requested to make public comments.

Karen Pletnikoff, Aleutian and Pribilof Islands Association, thanked the ARRT for their support of the Alaska Federation of Natives Resolution on Oil Spill Response. She also spoke on the importance of tribes receiving Incident Command System training to be more engaged in spill responses. She acknowledged that there are changes affecting the landscape conservation cooperatives, but noted that the Aleutian and Bering Sea Islands landscape conservation cooperatives will survive. Finally, she noted that the Aleutian Islands Waterway Safety Committee is having its first meeting in February at the Aleutian and Pribilof Islands Association offices.

Eugene Asicksik, Bering Straits Native Corporation (BSNC) spoke of his concerns regarding the Bering Strait region, climate warming, and the increased USCG presence in the area. He noted that BSNC has installed four commercial mooring systems in Port Clarence. He also remarked that the Bering Straits region has two of the four coastal villages in imminent danger of loss due to erosion and noted that the BSNC is looking for funding for relocation of these villages.

Steve Russell asked about the fate of the tax that funded the Oil Spill Liability Trust Fund. Mr. Everett responded that the fund presently has a very substantial balance remaining, and response funding is not threatened; therefore, renewal of the tax is not a time-critical concern. However, he remarked that he expects it to be addressed in future budget deliberations. Mr. Russell also asked if the Alternative Planning Criteria (APC) should be addressed in the Unified Plan or specific Subarea or Area Plans. Mr. Everett replied that the APC is a unique USCG authority and therefore, the ARRT will remain aware of developments but has no authority over APCs.

Concluding Comments and Remarks

Representatives of the ARRT member agencies and the OSCs offered closing comments and remarks, and the meeting adjourned at 1630.

Upcoming Meetings

- May, ARRT Meeting in Juneau, Alaska

Follow-up Subjects and Assignment of Tasks

(Assigned party in bold)

- Co-chairs requested the request that **STC** review their charter to assess whether and how the STC can be more inclusive of non-member interested parties or subject-matter experts. As part of this review, the STC should consider whether it is appropriate for the new Area Committees to have their own STCs to enhance inclusivity.
 - **EPA** will coordinate with the **USFWS and National Marine Fisheries Service** to provide Section 7 training for EPA OSCs and response staff. Training is tentatively scheduled for spring 2018.
 - Co-chairs requested that the **STC** evaluate the PPOR criteria and compare these to the new methodology used for the Prince William Sound Study—and report findings at the next ARRT meeting.
 - **Coordinators** will post STC reports on the ARRT website.
 - **Coordinators** will post USCG Guidance on the requirements of Area Committee membership.
 - **Area Planning Task Force** will create a Plan of Action and Milestones (PoA&M) for the creation of Area Committees.
 - **Tri-Chairs** will complete and submit an Annual Report to the NRT Report, including a report on Endangered Species Act Compliance Report
 - **OSCs** need to prepare & submit to Tri-Chairs their area's Endangered Species Act Compliance Reports
 - **Tri-Chairs** will draft and submit a letter to member agencies explaining planning initiative and requesting support.
 - **Food Safety Task Force** will review proposals received by OSRI
 - **Cultural Protection Committee** will schedule a meeting for fall 2018.
 - **Wildlife Protection Committee** is meeting February 1 and initiate work to update the Wildlife Protection Guidelines.
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Participant Summary:

Member Agencies Attendance

Member Agency	Present	Not Present
Alaska Department of Environmental Conservation	●	
Department of Agriculture	●	
Department of Commerce	●	
Department of Defense	●	
Department of Energy	●	
Department of Health and Human Services	●	
Department of the Interior	●	
Department of Justice	●	
Department of Labor		●
Department of State		●
Department of Transportation		●
Environmental Protection Agency	●	
Federal Emergency Management Agency	●	
General Services Agency		●
U.S. Coast Guard	●	

Non-member Organizations in Attendance

1Call Alaska Resolve
Ahtna, Inc.
Alaska Chadux Corporation
Alaska Clean Seas
Alaska Response Co, LLC
Aleutian Pribilof Islands Association
Aleutian Spill Control Inc.
Association of Village Council Presidents
Bering Straits Regional Corporation
Conoco Phillips
Cook Inlet Regional Citizens' Advisory Council (RCAC)
Cook Inlet Regional Inc.
Cook Inlet Spill Prevention and Response, Inc.
Crowley Fuels
Endeavor (formerly Tesoro)
Environmental Management, Inc.
Exxon Mobil
Gallagher Marine Systems

Global Diving and Salvage
Hilcorp Alaska
HMS/ Olympic Tug and Barge
International Bird Rescue
Prince William Sound RCAC
Prism Environmental
Resolve Marine Group
SeaRiver
State of Alaska, Department of Fish and Game
State of Alaska, Department of Natural Resources/ Office of History and Archeology
State of Alaska, Department of Transportation and Public Facilities
State of Alaska, Division of Homeland Security and Emergency Management
The Reponses Group
U.S. Department of the Interior Bureau of Safety and Environmental Enforcement
U.S. Department of the Interior, Bureau of Safety and Environmental Enforcement
U.S. Department of the Interior, U.S. Fish and Wildlife Service, Kenai National Wildlife Refuge
U.S. Department of Transportation, Pipelines and Hazardous Materials Safety Administration
U.S. Forest Service, Chugach National Forest

SINCE LAST MEETING (CORDOVA 21 SEP 17) ...

- SEP 2017 PACIFIC STATES/BC OIL SPILL TASK FORCE MEETING
- MAJOR EFFORT ON AREA PLANNING REVAMP
- 3 OCT 2017 – ARRT ACTIVATION FOR FOSC PWS EXERCISE
- OCT 2017 - ADAC IONS: ARCTIC SPILL SCENARIO
- NRT MONTHLY TELECONFERENCES
- 17/18 JAN 2018 RUSSIA – U.S. JCP MEETING
- 27 JAN 2018 DISPERSANT USE POLICY IN FULL EFFECT

- AREA PLANNING REVAMP WORK CONTINUES
- SONS NATIONAL EXECUTIVE SEMINAR PREPS
- ARRT ANNUAL REPORT (INCLUDING ESA COMPLIANCE)

Science & Technology Committee

Report for the ARRT Meeting

31 Jan 2018

Rick Bernhardt, ADEC
Timothy Mayers, EPA
Matt Odum, USCG
Angela Matz, USFWS
Catherine Berg, NOAA (Chair)

JANUARY 22ND-26TH

2018 ALASKA MARINE SCIENCE SYMPOSIUM

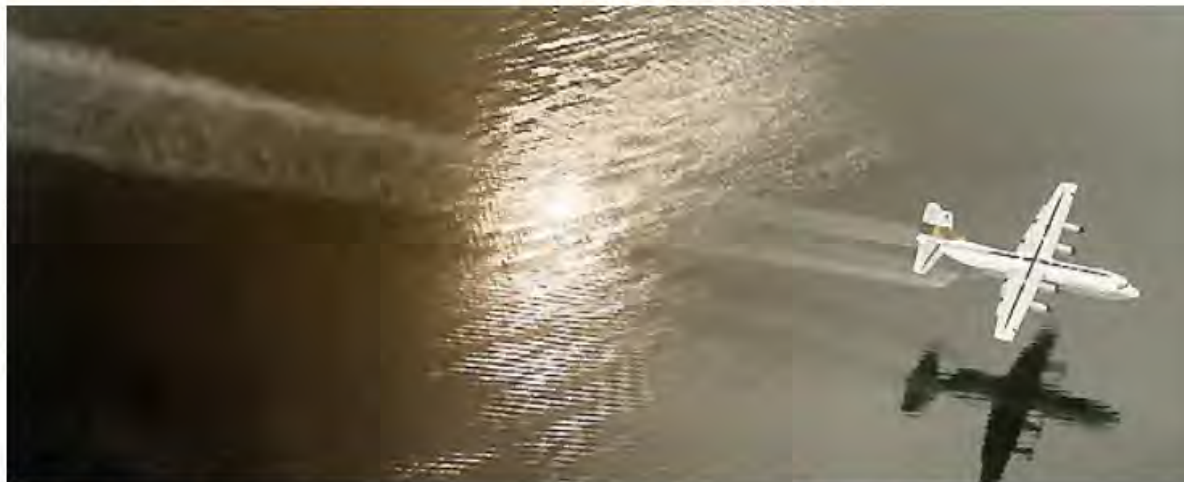
ALASKA'S PREMIER MARINE RESEARCH CONFERENCE

<https://www.alaskamarinescience.org/>



You Are Here: [DEC](#) / [SPAR](#) / [PPR](#) / [Response-Resources](#) / [Non-Mechanical](#) / Oil Dispersant Guidelines: Unified Plan, Annex F, Appendix I

OIL DISPERSANT GUIDELINES: UNIFIED PLAN, ANNEX F, APPENDIX I



2013-2014 Preauthorization Guideline Update Process

In 2013, in accordance with the National Oil and Hazardous Substances Pollution Contingency Plan – Subpart J (Section 300.910), Alaska Regional Response Team (ARRT) representatives from the Alaska Department of Environmental Conservation, US Coast Guard, Environmental Protection Agency, Department of Commerce, and the Department of Interior began an effort to update the Dispersant Use Plan for Alaska for the first time since 1989.

OIL DISPERSANT GUIDELINES

(January 2016)

[Unified Plan, Annex F, Appendix I \(PDF 2.7M\)](#)

- [Unified Plan, Biological Opinion, NMFS \(PDF 3.6M\)](#)
- [Unified Plan, Biological Opinion, USFWS \(PDF 6.7M\)](#)



DISPERSANT AVOIDANCE AREA SECTIONS BY SUBAREA


- [Aleutians \(PDF 388K\)](#)
- [Bristol Bay \(PDF 378K\)](#)
- [Cook Inlet \(PDF 376K\)](#)
- [Kodiak Island \(PDF 377K\)](#)
- [Prince William Sound \(PDF 374K\)](#)



PUBLIC COMMENTS

(Oct 2017 - Dec 2017)

- [Avoidance Area Comment Matrix \(PDF 367K\)](#)

A scenic landscape of Alaska featuring snow-capped mountains, a river, and a forest. The mountains are rugged and partially covered in snow, with some peaks showing a reddish-brown hue. The foreground is dominated by a dense forest of evergreen and deciduous trees, with some trees showing autumn colors. A wide river flows through the valley, reflecting the sky. The overall scene is bright and clear, suggesting a sunny day.

Alaska Oil Spill Technology Symposium

March 28 to 30, 2018

The Hilton Hotel
Anchorage, Alaska

<https://dec.alaska.gov/spar/ppr/response-resources/publications-conferences/aosts-2018/>

UAVs and Molting Eiders



Angela_Matz@fws.gov

Phone: 907-271-2778

OBJECTIVES				Project title: Alaska Area Planning Initiative Date of Report: 23JAN2018																		
				Project Outcome: Decommission the Unified Plan and create 1 Regional Contingency Plan and 4 Area Contingency Plans (1 Area Plan per FOOSC zone).																		
				Major Tasks (1.Prepare; 2. Document Reorg; 3. Implement; 4. Closeout)				Project Completed by 30SEP18														
X				1.01	1. Complete most recent UP content update	X												A	B	B	B	C
X				1.02	2. Complete new RCP template format	X												A	B	B	B	C
X	X	X		1.03	3. Complete UP/SCP to Regional/Area plans format crosswalk	X												A	B	B	B	C
X				2.01	4. Cut and paste info from UP & other reference documents into RCP template		X											A	B	B	B	C
X				2.02	5. Track/document origin of all information placed into RCP template		X											A	B	B	B	C
X				2.03	6. Flag all sections of RCP template that require content development as "TBD"		X											A	B	B	B	C
X				2.04	7. Review draft RCP document for readability, grammar, & remove redundancy			X										A*				B
X				3.01	8. Provide draft RCP to AK RRT Tri-Chairs for a time limited review				X									A	C	C	C	C
	X			2.05	9. Cut & paste info from UP, subarea plans & other ref docs into ACP template				X									B	A	B	A	C
	X			2.06	10. Track/document origin of all information placed into ACP template				X									B	A	B	A	C
	X			2.07	11. Flag and create hyperlinks for appropriate sections within ACP template				X									B	A	B	A	C
	X			2.08	12. Flag all sections of ACP template that require content development as "TBD"				X									B	A	B	A	C
	X			2.09	13. Flag all sections/subsections of ACP that require transition team review				X									B	A	B	A	C
	X			2.10	14. Review draft ACP document for readability, grammar, & remove redundancy				X									A*				B
X	X			2.11	15. Conduct side by side RCP/ACP review for redundancy and/or usability				X									A*				B
X	X			2.12	16. Review UP info not included in RCP/ACP, document inclusion/deletion/relo				X									A*				B
		X		2.13	17. Cut & paste info for remaining FOOSC zones, repeat tasks 2.05 & 2.08					X								B	C	B	A	B
		X		2.14	18. Sec Juneau/MSU Valdez determine unique subarea info for inclusion ACPs					X								B	C	B	A	A
X	X	X	X	3.02	19. Prepare RCP/ACPs for State of Alaska 30-day public comment period					X								B	B	A	B	C
			X	3.03	20. Review AK State certified public comments, refer to Area Committees						X	X						A*				B
X	X	X	X	3.04	21. Obtain Tri-Chair Signatures on RCP, obtain FOOSC/SOSC on ACPs								X					A	A	A	A	A
			X	3.05	22. Roll out NCP consistent AK Area Planning regime via Press Release									X				A	A	B	B	B
			X	4.01	23. Promulgate RCP/ACPs: publish on Homeport/ADEC/AK RRT websites									X				A	A	A	A	A
			X	4.02	24. Ensure all FOOSC zones schedule an Area Committee meeting by 30SEP19										X			B	A	A	A	A
<p>1: Create an NCP compliant Regional Contingency Plan that covers the State of Alaska.</p> <p>2: Create an NCP compliant Area Contingency Plan for the Inland and Arctic/Western AK FOOSC zone.</p> <p>3: Create an NCP compliant Area Contingency Plan for the MSU Valdez and Sector Juneau FOOSC zone.</p> <p>4: Decommission the UP, begin NCP compliant regional and area plans and committees.</p>																	<p>February 5-9, 2018</p> <p>March 5-9, 2018</p> <p>March 12-16, 2018</p> <p>April 16-20, 2018</p> <p>April 23-27, 2018</p> <p>May 21-25, 2018</p> <p>June 4-8, 2018</p> <p>July 9-13, 2018</p> <p>July 23-27, 2018</p> <p>August 6-10, 2018</p> <p>September 10-14, 2018</p> <p>September 28, 2018</p>					
				<p>X: Proposed Due Dt</p> <p>P: Progressing</p> <p>NR: Nothing to Report</p>					<p>C: Completed</p> <p>D: Delayed</p> <p>I: Incomplete</p>					<p>A: Primary/Lead</p> <p>A*: AK Area Planning TT</p> <p>B: Secondary/Support</p> <p>C: Tertiary/Awareness</p>								
				<p>1. POAM documents minimum UP reorganization to meet NCP regional/area planning requirements. The UP decommission project will <i>delete redundant information</i> and <i>not create any new content</i> or appreciably modify existing content. Barring other unforeseen agency operational priorities, <i>estimate project completion by 30SEP18</i>.</p>																		

ENCLOSURE (1)

Dtd: 23 JAN 18 Version 1.0



Unified Plan Update Status Report

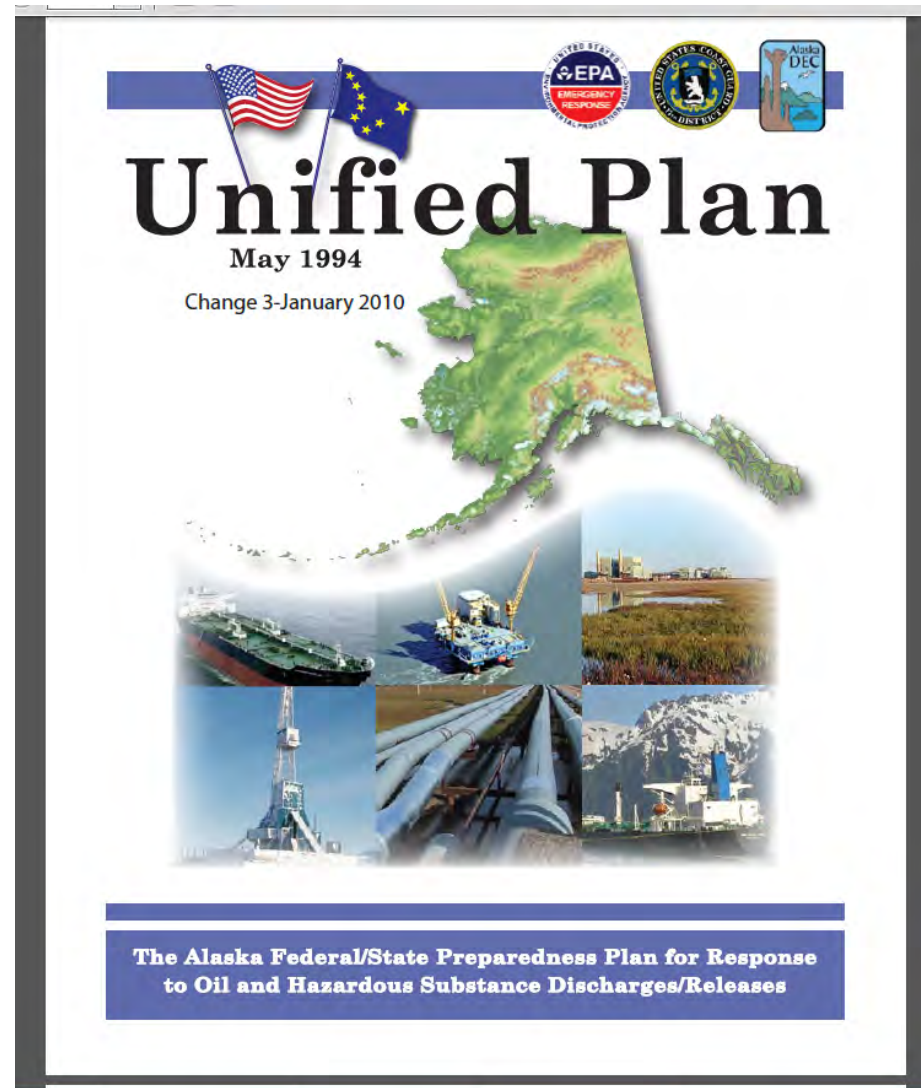
Nick Knowles

Alaska Emergency Response Planner

USEPA

http://dec.alaska.gov/spar/PPR/plans/regional_plan.htm

Alaska Unified Plan



Work Completed to Date

- Response agencies have reviewed the entire plan for obsolete information, incorrect telephone numbers, and broken internet links.
- Corrections have been made and sections have been formatted to issue update.
 - USCG and ADEC websites are undergoing revision, preventing repair of some web links.

Work Remaining

- The UP update workgroup will complete the administrative updates and send the draft to the ARRT Tri-chairs for review and approval. (draft completion anticipated NLT 2/9/2018)
- Once approved by the tri-chairs, the updated U/P will be posted to the ADEC website, and links on the ARRT website will be updated.

QUESTIONS?

State of Alaska website:

http://dec.alaska.gov/spar/PPR/plans/regional_plan.htm

ARRT website

<http://alaskarrt.org>

Nick Knowles

Alaska Emergency Response Planner

USEPA

knowles.nicholas@epa.gov

FOSC Prince William Sound January 31, 2018



CDR Michael. R. Franklin
CG Marine Safety Unit Valdez

FOSC Prince William Sound September 2017 – January 2018 Incident Summary

- Total Incidents: 10 incidents
- Amount Discharged: 218 gallons
- Total Potential: 2,363 gallons +
- OSLTF Supported: 01 incidents
- CERCLA Supported: 00 incidents

Significant Prince William Sound Responses

- On the 21st of September the Valdez Marine Terminal discharged approximately 146 gallons of emulsified crude oil into the waters of the Port of Valdez.
- The spill occurred during a required annual pressure test of the berth loading arms witnessed by USCG inspectors.
- Over 19,800 feet of boom, 10 vessels, 2 barges, one third party response contractor, and 9 fishing vessels, were deployed in response.



Lessons Learned VMT Berth 5 Spill

- Temporary Flight Restrictions – difficult to manage requests to enter the air space.
- Incidents within an Incident – two diesel spills during VMT response.
- Response vessels didn't have enough supplies, food, communications equipment, meds to last the required three days.
- VMT Crew did not follow written shut down procedure. Valves left open allowed back flow into fire pump sump.
- Complacency.

Significant Prince William Sound Responses Cont.

- 1. On the 25th of September a mystery sheen was reported in the Valdez Small Boat Harbor.
- The Oil Spill Liability Trust Fund was opened and response contractors deployed from Anchorage.
- The amount discharged was estimated to be greater than 50 gallons of an unknown oil. Further analysis revealed the oil to be diesel.
- Source remains unknown.



Lessons Learned from Harbor Spill

- Harbor Spills are complicated due to many factors.
- Many vessels = many possible sources of spill including Storm Drains, USCG Vessel and small boats. Many samples taken.
- High vessel traffic in and out of harbor.
- High visibility large crowds of people, center of town.
- Drones (City of Valdez) work great for investigations locating spill source.
- Extremely important to keep the DRAT spill response container in Valdez.

Hurricane Relief Efforts

MSU Valdez personnel provided 128 days worth of critical support in the aftermath of Hurricanes Harvey, Maria and Irma. We served multiple roles including disaster relief and reconstitution, ICS SOFR support for ESF-10 and cost documentation/FOSCR support.



Prince William Sound Exercises

➤ **Oct 03-05, 2017– Conoco Phillips/Polar Tankers**

- The exercise scenario included a major oil spill from a Polar Tanker's vessel after a collision with an inbound tug and barge in the shipping lanes in the Valdez Arm. The exercise was a Functional Exercise of the response to a Polar Tankers worst case discharge event.
- The exercise began at hour zero and occurred over 3 days. The first 24 hours of the response were assumed and managed by Alyeska/SERVS before being transferred to the Conoco Phillips/ Polar Tankers Team. A Unified Command was immediately established consisting of the Responsible Party, the US Coast Guard and the Alaska Department of Environmental Conservation.
- During the three day exercise, oil spill response, vessel stabilization and salvage, protection of resources at risk, Public Information management and Maritime Transportation System Recovery were all exercised.
- The exercise included more than 250 participants from 35 different Federal, State, Local and Industry partners.
- The ARRT was activated for this exercise. It was an information only activation.

Lessons Learned Polar Tanker Drill

- Smooth transfer of command from Serves/Alyeska to Conoco Phillips/Polar Tankers as well as transfer from PWS FOSC to Western Alaska FOSC.
- Utilized the Regional Stakeholders Committee briefing.
- Multiple deputies utilized, freed up time for Unified Command to focus on spill response.
- ESA Section Seven Consultation went well and stirred numerous conversations in UC such as need for observers on response vessels.
- Potential Places of Refuge UC discussion while deciding on anchorage for disabled tanker. PWSRCAC study very helpful.

Marine Services Transition from Crowley to Edison Chouest Offshore

- ECO to take over tanker escort services in Prince William Sound July 2018.
- New fleet of general purpose and escort tugs and oil spill response barges.
- USCG inspected and ABS classed with ABS Escort Towing Vessel notation.
- Regulatory guidance for escort towing vessels 33CFR168.
- Schedule of arrival – first vessel of each class and OSR barge to arrive in Valdez in February. Escort towing drills and crew training taking place February through June.

Prince William Sound Subarea Committee

➤ Next Meeting:

➤ **March 21st, 2018 – PWS Subarea - Valdez**

➤ Future projects

- Perform administrative updates to the Prince William Sound Sub-Area Plan
- Develop Plan of Action for Conversion to Area Plan
- Continue GRS deployments and evaluation

Future Training & Exercises

- **Arctic Eagle 2018 Exercise** — Joint Alaska National Guard exercise with Hazardous Material component.
 - Feb 20-27, 2018 (Valdez)
- **ICS-339 Division Group Supervisor Training (Tentative)**
 - April 16-20 (Valdez)
- **Shoreline Cleanup and Assessment Training**
 - May 22-24, 2018 (Valdez) Alyeska Sponsored
- **2018 Valdez Marine Terminal Exercise** – Alyeska/SERVS –
 - August 29-30, 2018 (Valdez)

Future Training & Exercises

- **2018 PWS Shipper's Exercise – Crowley/SeaRiver**
 - October 2018 TBD (Valdez)

QUESTIONS?



FOSC Western Alaska January 2018



CAPT Sean MacKenzie, Commander
USCG Sector Anchorage

Pollution Incidents

September 2017 – Present

AOR	INCIDENTS	POTENTIAL (Gallons*)	SPILLED (Gallons*)	OSLTF ACCESSED
SECTOR Anchorage	12	26,165	19	1
MSD Homer	7	16	14	0
MSD Kodiak	9	410	410	0
MSD Dutch Harbor	2	50	40	0
Total:	30	26,641	483	1

* figures are approximate

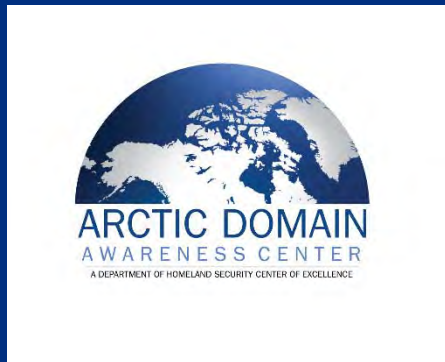
F/V AKUTAN

(05 October 2017 to 21 December)



Outreach / Exercises

- CISPRI Response Training - Sept 2017
- ADAC Arctic Spill Workshop - Oct 2017
- Andeavor TTX - Nov 2017
- Savant IMT Spill Drill - Nov 2017



Future Outreach / Exercises

- Alaska Forum on the Environment – February 2018
- Alaska Oil Spill Technology Symposium - March 2018
- Blue Crest Energy TTX - March 2018



Future Outreach / Exercises

- Arctic Guardian Oil Spill Seminar & Equip. Deployment – July 2018 (Bethel, AK)
- Mutual Aid Drill/PREP Exercise - August 2018



ExxonMobilTM

Planning Activities/ Initiatives

Subarea Committee Update:

- Northwest Arctic

Area Planning Reorganization

Dispersant Pre-Authorization Area Avoidance Area Development:

- Dispersant Use Avoidance Area Sections completed

Questions & Comments



Initiatives

EPA Activities

[http://epawebconferencing.acms.com/r6hl
m2046qb/](http://epawebconferencing.acms.com/r6hl
m2046qb/)

Alaska Regional Response
Team Jan 2018

Last 6 Months in Alaska

- No major responses in Alaska involving EPA as FOSC
- DRILLS/EXERCISE
 - APSC Toolik River Combined Resource Exercise
 - APSC Tanana River Incident Management Team/Combined Resource Exercise
 - Tolovana River Combined Resource Exercise

Significant Regulatory rulemaking impacting CWA Jurisdiction

■ WOTUS

- RESTORING THE RULE OF LAW,
FEDERALISM, AND ECONOMIC GROWTH
BY REVIEWING THE "WATERS OF THE
UNITED STATES" RULE

Other Significant Activities

- Miller Salvage, Fairbanks. AK
- M/V Akutan, Dutch Harbor, AK
- Hurricanes Maria/Irma Deployments
- California Wildfire Deployments

Miller Salvage, Fairbanks. AK



M/V Akutan, Dutch Harbor, AK



Hurricanes Maria/Irma Deployments



California Wildfire Deployments



Questions ?



ADEC RRT Update January 2018

SOSC Briefing



North Slope & Northwest Arctic Unit

Kuparuk CPF 3 46,116 gallons Produced Water Discharge 11/15/2017



Produced water frozen on gravel pad
beneath Module 309.

(Photo by M. Garrett, ADEC)



Flush and recovery tactic to
remove frozen produced water
from the gravel pad.

(Photo by J. Ebel, ADEC)



North Slope & Northwest Arctic Unit

Kobuk River Flood



Kobuk River Slough with absorbent boom deployed to collect residual fuel draining with flood water.



One of many storage tanks Displaced by the flood.



Trans Alaska Pipeline & Interior Alaska Unit

Eilson Air Force Base E11 Tank Complex est. 5,700 JP-8



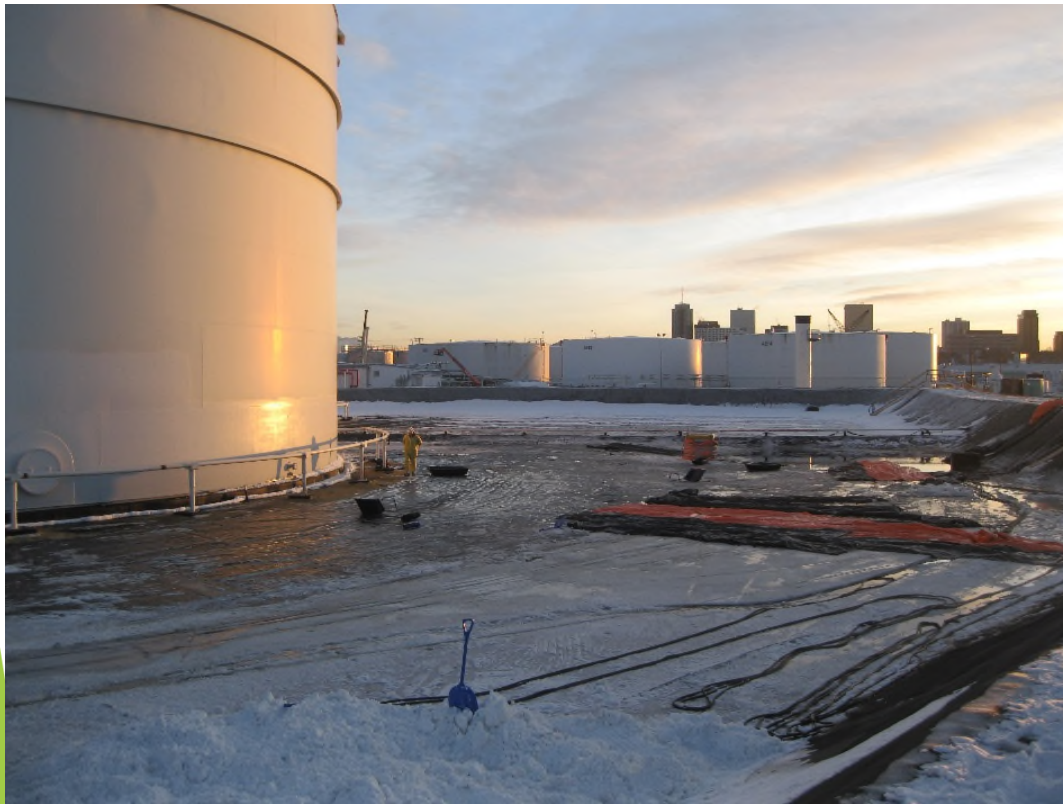
Aleutians & Western Alaska Unit

Yuut Ekitnaurviat People's Learning Center Bethel Day Tank Overfill



Cook Inlet & Kodiak Unit

Tesoro Ocean Dock Terminal Jet A Release



Cook Inlet & Kodiak Unit

Steelfab Hazardous Waste



Prince William Sound Unit

TAPS marine Service Transition Status



Photo: Department of Interior



Southeast Alaska Unit

Tug *Jake Shearer* and Fuel Barge *Zidell Marine 227*



photo: Heiltsuk Nation



photo: Canadian Coast Guard



Southeast Alaska Unit

Emergency Tow System PMI at Air Station Sitka (Sept 2017)



ERT

US EPA ENVIRONMENTAL RESPONSE TEAM



40 CFR 300.145 (b)



- **SPECIAL TEAMS**
- THE ENVIRONMENTAL RESPONSE TEAM (ERT) WAS ESTABLISHED BY EPA IN ACCORDANCE WITH ITS **DISASTER AND EMERGENCY RESPONSIBILITIES.**

ERT FUNCTIONS



- ERT CAN PROVIDES ACCESS TO SPECIAL **MONITORING/DECONTAMINATION EQUIPMENT**
- PROVIDES ADVICE AND SUPPORT TO THE OSC IN **HAZARD EVALUATION, RISK ASSESSMENT, MULTIMEDIA SAMPLING AND ANALYSIS**
- PROVIDE ADVICE ON **CLEANUP TECHNIQUES AND PRIORITIES**
- ERT HAS EXPERTISE IN TREATMENT TECHNOLOGY (BIOLOGY, CHEMISTRY, HYDROLOGY, GEOLOGY, AND ENGINEERING)
- PROVIDE ADVICE ON APPLICATION OF DISPERSANTS
- ERT PROVIDES GUIDANCE ON PROPER DISPOSAL OF CONTAMINATED MATERIAL.
- PROVIDE **TRAINING** TO RESPONSE PERSONNEL (TRAINEX.ORG)
- DEVELOP INNOVATIVE AND APPLICABLE SOLUTIONS LEVERAGING EXISTING AND EMERGING TECHNOLOGIES
- TRAINED INCIDENT COMMAND KEY LEADERSHIP POSITIONS (KLP'S)

ERT Staff is Comprised of;

- Biologist
- Chemist
- Air Monitoring Specialist
- Geologist
- Oil Specialist
- Engineers
- Risk Assessors
- Hydrogeologist
- Industrial Hygienist
- Information Technology Specialist
- Physicist
- Health & Safety
- Quality Assurance





ERT IS A NATIONWIDE RESOURCE, HENCE, STRATEGICALLY LOCATED IN VARIOUS POINTS IN THE CONTINENTAL UNITED STATES

- LAS VEGAS, NV
- EDISON, NJ
- ERLANGER, KY
- RESEARCH TRIANGLE PARK, NC

VIPER Telemetry System



- **Air Monitoring as sensor**
- **In-Situ Burn**
- **Real-Time Results**
- **Immediate feed to data user and Decision makers**
- **Quick reaction to changing conditions**

The screenshot displays the VIPER: DEPLOYMENT MANAGER interface. The main content area shows details for a deployment named "R10 JSB Exercise Deployment" and "2439-12: New RunConfig 5". A satellite map shows the deployment location. Below the map, there are sections for "Instruments and Latest Readings:" and "Station A (Upwind) Instrument Cluster".

Instruments and Latest Readings:

Instrument ID	Connection	Location	CONC	TWA	Temp	RH	CONC 1hr TWA	Received
L121_DataRAM	Down	47-4542310 -121.6044440	4.1 ug/m3	2.9 ug/m3	14 C	63 %	6.493306 ug/m3	10/28/2015 1:34 PM
L181_DataRAM	Down	47-4542310 -121.6044440	7.5 ug/m3	7 ug/m3	12.7 C	59 %	6.511839 ug/m3	10/28/2015 1:34 PM

Station A (Upwind) Instrument Cluster

Instrument ID	Connection	Location	Received
L101_E-RAM	Unknown	0.0000000 0.0000000	

MultiRAE Pro(s):

Instrument ID	Connection	Location	PGM-6248	LEL	O2	H2S	CO	GAMMA	VOC	Received
L104_MultiRAE Pro	Down	47-4542310 -121.6044440	v6	0.0 %	20.9 %	0.0 ppm	0.0 ppm	13.0 uR/hr	0.0 ppb	10/28/2015 1:34 PM

Station B (Downwind) Instrument Cluster

Instrument ID	Connection	Location	CONC	TWA	Temp	RH	CONC 1hr TWA	Received
L111_DataRAM	Down	47-4550700 -121.6613900	3.8 ug/m3	67.8 ug/m3	12.7 C	61 %	35.433806 ug/m3	10/28/2015 1:38 PM
L1971_DataRAM	Down	47-4550700 -121.6613900	4.5 ug/m3	96.1 ug/m3	14.2 C	66 %	35.433722 ug/m3	10/28/2015 1:38 PM

Trace Atmospheric Gas Analyzer



- **Highly Sensitive (PPT)**
- **Ambient Air Monitoring**
- **Fugitive Emission on Harvey**
- **Special Events/Pre-Deployments**
- **Counter-Terrorism (VX,GB....)**
- **Customized Analysis**



Natural Disasters 2017



- Hurricane Harvey for Air Monitoring Support (2 weeks on September 2017)
- Northern California Fires, Napa Branch Safety Officer (1 month October-November 2107)
- Hurricane Irma/Maria, St. Croix, USVI Safety Officer (December 15 -31st)
- Northern California Fires, Napa Branch Safety Officer (January 1-17, 2018)
- Hurricane Irma/Maria, St. Croix, USVI Safety Officer (February 17, to March 12, 2018)

Marine Debris Operations





SERAS

Scientific, Engineering, Response & Analytical Services Contract

ERT ACTIVATION



- ❑ Calvin Terada, EPA Region 10 Emergency Management Program Manager
- ❑ Regional EPA OSC
- ❑ ERT 24-hour Hotline [(732) 321-6660]



Henry Gerard

gerard.henry@epa.gov

702-501-8036



EPPR

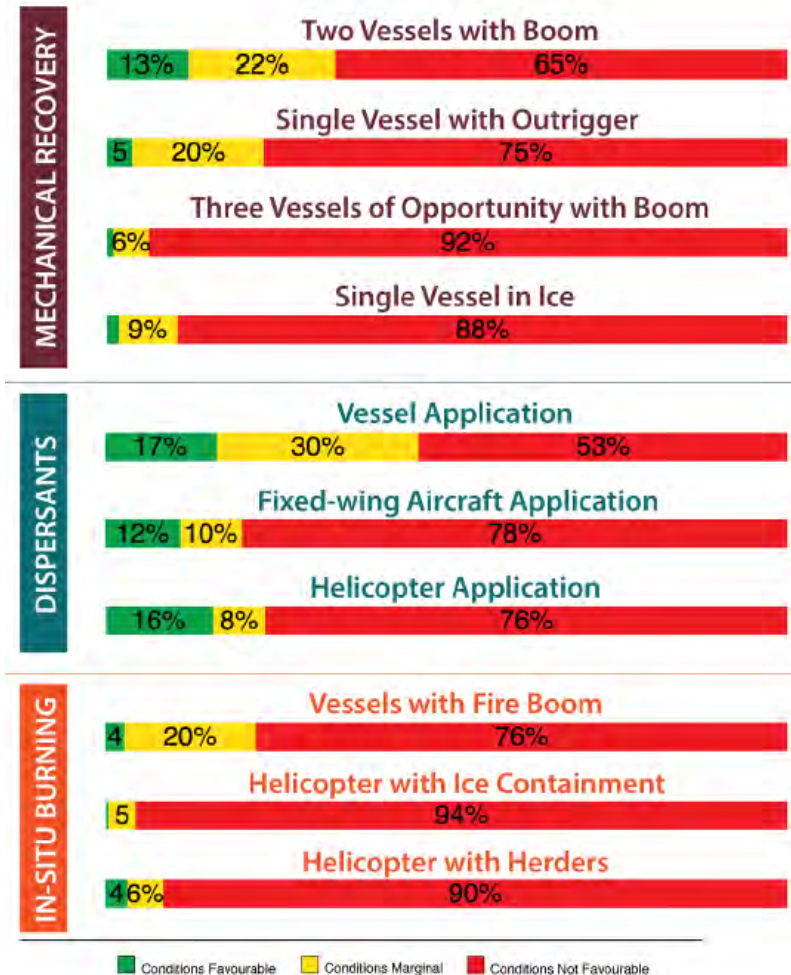
Circumpolar Oil Spill Response Viability Analysis

- Project phases funded by Norway and U.S.A.
 - NCA Contract – 24 August 2015 included: Data screening; establishing datasets; defining systems and limits, and analysis design.
 - BSEE Contract – 05 December 2016 included: Analysis of all modeling results and reporting.
- Project co-leads: Norway, U.S.A., and Denmark
- Contractors (DNV GL and Nuka Research and Planning Group, LLC, conducted a close out meeting with BSEE Contract Officer and staff on 06 June 2017 following review and acceptance of the final report.

Effects of Arctic Metocean Conditions on Oil Spill Response

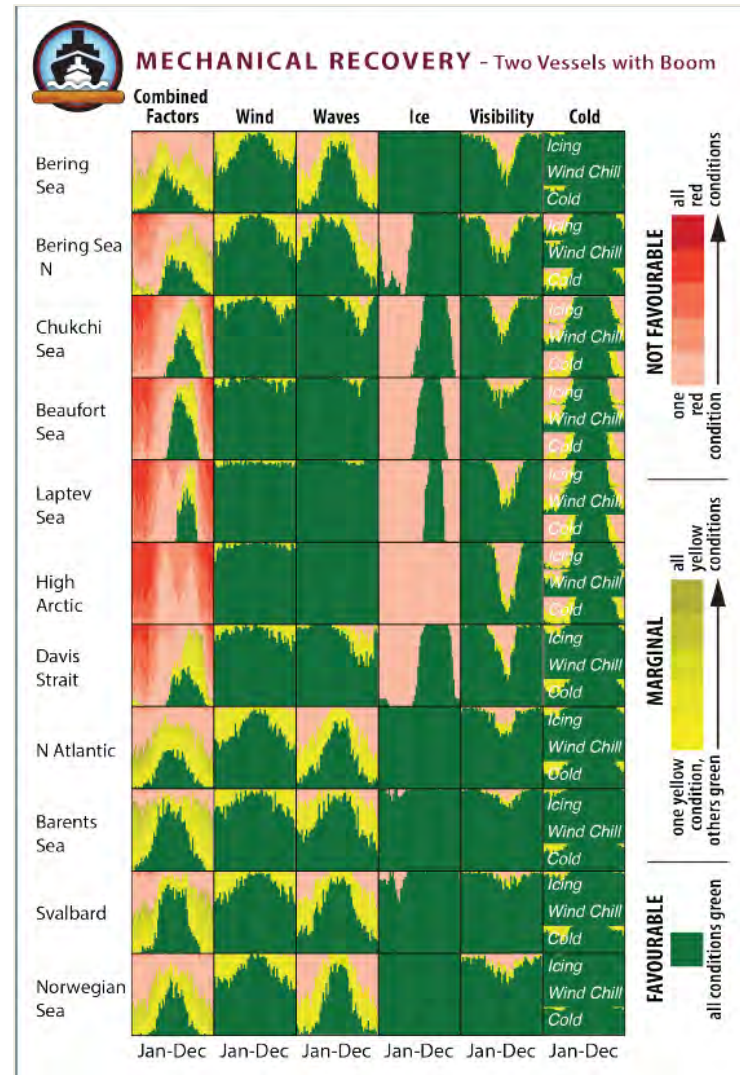
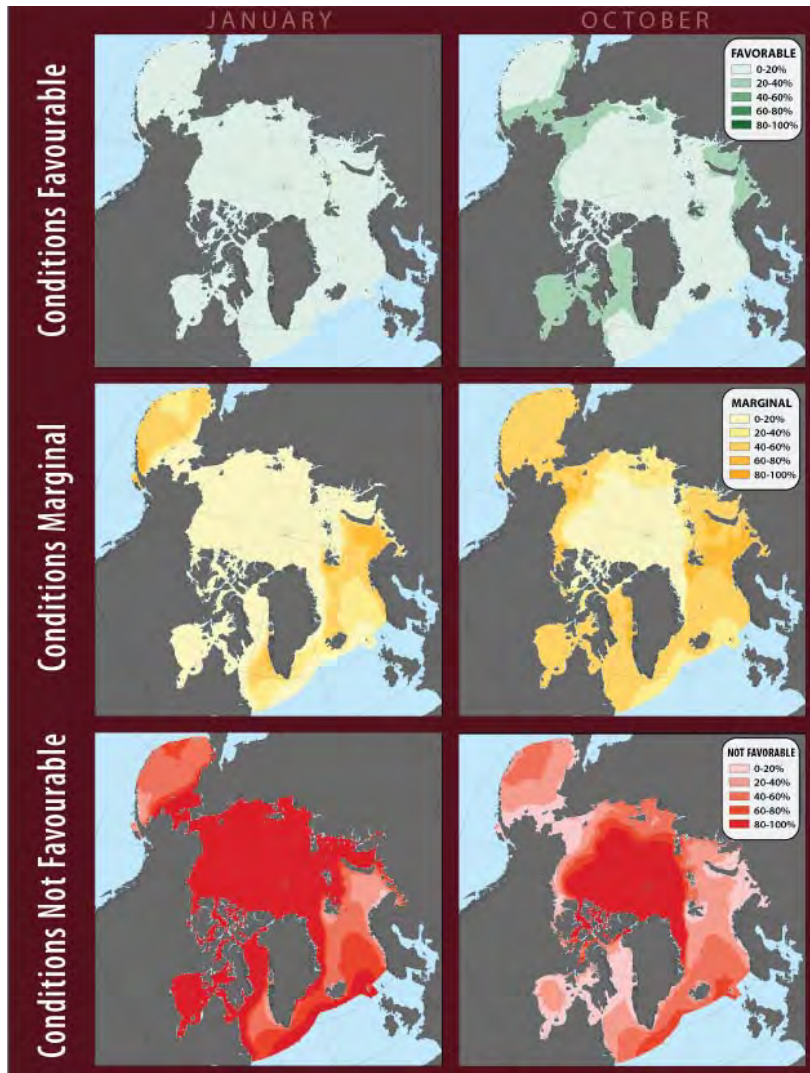


Average Results – Whole Area/Year



- Conditions were “not favourable” > 50 % of time for all response systems when averaged across the entire study area and entire year
- Conditions favourable at least 10 % of the time for the following systems:
 - Dispersant – Vessel Application (17 %)
 - Dispersant – Helicopter Application (16 %)
 - Mechanical Recovery – Two Vessels with Boom (13 %), and
 - Dispersant – Fixed-wing Application (12 %)

Mechanical recovery, Two Vessels with Boom – Geographical Variability



Analysis Key Findings

- Arctic conditions are found likely to challenge marine oil spill response operations within the study area.
- The response viability varies considerably with system applied, season, and location.
- Optimization of response strategies and response systems to the local conditions can have a significant importance for the ability to deploy a response (several other factors should also be considered).
- The data created in the study allows for in-depth studies to identify operational windows for different systems, or identify the system or systems that are most likely to be viable for a particular location.


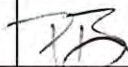





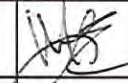

Way forward

- The data compiled and technique applied in this study could be used or expanded to explore the impact of different limits based on system modifications, technological innovations, or new documentation of the operational limits for a particular system
- Subsequent analyses could also explore changes to response viability as the Arctic environment changes, or inform technological development. Options for extending the response window by combining response systems could be explored

Some Lessons Learned

(from DNV GL/NUKA Project Team Viewpoint)

- **Scoping Workshop and subsequent iterations with the “Expert Group”:** Worked well and was key to getting all parties “on the same page”.
- **Data Screening:** Very useful, but in the end few alternatives fitted the criteria well.
- **Preparation of Dataset:** Some unforeseen challenges (as expected), but manageable in the end.
- **Definition of Systems and Limits:** Good process, but still shortcomings in proofing/documentation of limits.
- **Design of Analysis:** New and complementary approach with both map-based and single point assessments.
- Dialog with and follow-up from co-leads was very constructive and valuable throughout the project.
- Effective and very helpful assistance from BSEE, NCA, and EPPR Secretariat throughout the project.

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