Michael Levshakoff
Communications Coordinator
Alyeska Pipeline Service Company

Martin Parsons
SERVS Operations Supervisor
Alyeska Pipeline Service Company
• Regulatory Drivers
• Oversight/Advisory
• United States Coast Guard
• Marine Shipping Companies
• Alyeska Pipeline Service Company/SERVVS
• **State of Alaska HB567**
  On June 27, 1990, Alaska enacted House Bill 567, dramatically strengthening the State’s oil pollution control laws and mandating new response planning standards and discharge prevention requirements for offshore facilities, crude oil tank vessels, and pipelines.

• **Oil Pollution Act of 1990**
  On August 18, 1990, Congress passed the Oil Pollution Act of 1990 (OPA) which strengthened provisions concerning oil spill prevention, response planning, and financial responsibility for offshore facilities, crude oil tank vessels, and pipelines.

300,000 Barrels in 72 Hours
• **Alaska Department of Environmental Conservation**
  The Alaska Department of Environmental Conservation is an organization setup to enforce Alaska state law and “to conserve, improve, and protect [Alaska’s] natural resources and environment and control water, land, and air pollution, in order to enhance the health, safety, and welfare of the people of the state and their overall economic and social well being.”

• **United States Coast Guard**
  “The main responsibilities for Station Valdez include Homeland Defense, Search & Rescue, Law enforcement, and Waterborne security for the Alyeska Pipeline Terminal.”

• **Prince William Sound Regional Citizen’s Advisory Council**
  “The Prince William Sound Regional Citizens’ Advisory Council (PWSRCAC) is an independent non-profit corporation guided by its mission: citizens promoting environmentally safe operation of the Alyeska Pipeline marine terminal in Valdez and the oil tankers that use it.”
• Enhanced Radar Coverage
• Ice Radar (Columbia Glacier)
• Automated Identification System (AIS)
• Radio Check-ins
• Closed Circuit Video Surveillance
• Additional Manning (2 Watchstanders & Chief of Vessel Traffic System)
• Tanker Fleet Improvements:
  – 16 of 17 TAPS tankers are double hulled or double bottomed
  – 9 of 16 tankers also have redundant propulsion and rudder systems

• Speed Limits in Prince William Sound (PWS)
• Alcohol Screening
• Weather Restrictions
• Pilotage to and from Bligh Reef
• Each tanker equipped with PWS Towing Package

[10 Knots in Port.]
[6 Knots in Narrows.]
[8 Knots to Buoy 9.]
[10 Knots to Precautionary Area.]
[12 Knots Mid-Sound.]
[10 Knots thru entrance.]
• 2 Invader Class Tugs: **Stalwart** & Bulwark
• 1 Seaswift Class Tug: **Pathfinder**
• 1 Deck Barge: **BR126**
• 13 Skimmers
• Approximately 12,000+ Barrel Total On-Water Storage Capacity
• Approximately 5 Miles of Boom

[ One Escort to Rocky Point, No tether. ]

[ Tankers made entire PWS transit (more than 50 miles) by themselves, unescorted. ]
Ship Escort/Response Vessel System (SERVS)

**Mission:** To maintain a constant state of readiness to assist tankers in the safe navigation through Prince William Sound and to provide oil spill response services to the TAPS Marine Oil Shippers, Valdez Marine Terminal and Pipeline in accordance with oil spill response agreements and plans.

- Prevention
- Response
Ship **Escort/Response Vessel System (SERVS)**

Mission: To maintain a constant state of readiness to assist tankers in the safe navigation through **Prince William Sound** and to provide oil spill response services to the TAPS Marine Oil Shippers, Valdez Marine Terminal and Pipeline in accordance with oil spill response agreements and plans.

- **Prevention**
- **Response**
Ship Escort/Response Vessel System (SERVS)

Mission: To maintain a constant state of readiness to assist tankers in the safe navigation through Prince William Sound and to provide oil spill response services to the TAPS Marine Oil Shippers, Valdez Marine Terminal and Pipeline in accordance with oil spill response agreements and plans.

• Prevention

• Response
• 3 Prevention & Response Tugs: Attentive, Aware, & Alert
• 2 Enhanced Tractor Tugs: Nanuq & Tan’erliq
• 3 Invader Class Tugs: Invader, Stalwart, & Bulwark
• 1 Seaswift Class Tug: Guardian
• 1 Theriot Class Ocean Tug: Sea Voyager
• 1 Utility (Tug/Supply) Vessel: Endurance
• 1 Self-Propelled Skimmer: Valdez Star

12 total
SERVS Tanker Escort

Tv  = Tanker
T   = Tug
Bt  = TransRec Barge
Bn  = Nearshore Barge
Bl  = Lightering Barge
• Automated Identification System (AIS)
• Ice Radar (Columbia Glacier)
• PWS Radio Coverage
• Alert Cast
• Manned 24/7
• 5 TransRec Barges
• 1 Nearshore Barge: 500-2
• 1 Lightering Barge: 450-7
• 1 Inland-Tank Barge: Allison Creek
• 1 Storage Barge: Sawmill Creek

108 Individual Skimming Units
59,000+ Barrels per hour
900,000+ of On-Water Storage Capacity
9 total
• Cannery Creek
• Chenega Bay
• Lake Bay
• Main Bay
• Solomon Gulch

Pre-positioned Equipment
49,500 ft of Protective Boom
• Chenega Bay
• Cordova
• Tatitlek
• Valdez
• Whittier

Pre-positioned Equipment
49,500 ft of Protective Boom
• **Tier I Vessels**
  - 0-6 hours to be underway
  - HAZWOPER Trained
  - 60 total (PWS)
    - Cordova
    - Valdez
    - Whittier

• **Tier II Vessels**
  - 0-24 hours to be underway
  - 350 + total
    - 200+ in Prince William Sound
    - 150+ outside the Sound.

• **Tier III Vessels**
  - Vessels of Opportunity

400+ Vessels under contract
1500+ Participants
Ready work boats
Local knowledge
Fishing Vessel Administrators in each community
• Annual Shipper Drills
• Annual Spring & Fall Fishing Vessel Training
• Incident Command System Training
• Security Exercises
• Hatchery Deployments
• Geographic Response Strategy Deployments
• Valdez Marine Terminal Drills
• Alert Cast Drills
• Pipeline Drills

Yearly Average Total: 70
• Stronger Laws & Regulations
• Additional & Stronger Oversight
• Stronger USCG Presence
• Improved, Modern Tanker Fleet & Shipping Regulations
• Ship Escort/Response Vessel System
  – Superior Tug Fleet (11)
  – Oil Recovery Barges (9)
  – Hatchery Protection Sites (5)
  – Response Centers (5)
  – Fishing Vessel Training Program (400+ Vessels & 1500+ Participants)
300,000 Barrels in 72 Hours
108 Skimming Units
49.7 Miles of Boom
59,000+ Barrels per hour
900,000+ Barrels of On-Water Storage Capacity
Pre-positioned Equipment
Fishing Vessel Program (400+ Vessels & 1500 Participants)
2 Escorts for all Laden Tankers
### Summary

<table>
<thead>
<tr>
<th>Then</th>
<th>Now</th>
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<tbody>
<tr>
<td><strong>300,000 Barrels in 72 Hours</strong></td>
<td>59,000+ Barrels per hour</td>
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<tr>
<td><strong>5 Miles of Boom</strong></td>
<td><strong>49.7 Miles of Boom</strong></td>
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<tr>
<td><strong>13 Skimming Units</strong></td>
<td><strong>108 Skimming Units</strong></td>
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<tr>
<td><strong>12,000+ Barrels of On-Water Storage</strong></td>
<td><strong>900,000+ Barrels of On-Water Storage</strong></td>
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<td>Capac**</td>
<td>Capacity</td>
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<td><strong>Pre-positioned Equipment</strong></td>
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<tr>
<td><strong>1 Escort for Laden Tankers Through the</strong></td>
<td><strong>Fishing Vessel Program</strong></td>
</tr>
<tr>
<td>Narrows**</td>
<td><strong>(400+ Vessels &amp; 1500 Participants)</strong></td>
</tr>
<tr>
<td><strong>1 Escort for Laden Tankers Throughout</strong></td>
<td><strong>2 Escorts for Laden Tankers</strong></td>
</tr>
<tr>
<td><strong>PWS</strong></td>
<td><strong>Throughout PWS</strong></td>
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Thank you
Questions?

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