



## Significant Responses This Quarter



*Wilderness Adventurer at low tide.*



*Double boom around Wilderness Adventurer.*



*Crimped and severed pipe at ARCO Drill Site 14.*

**PLEASE NOTE.** . . This report is based on provisional spill data. Readers should be aware that minor discrepancies in the data may exist.

### Wilderness Adventurer

*Spill Date: 6/12/99  
Product: mixed lube and diesel oil  
Quantity: estimated 40-50 gallons  
Cause: grounding*

While under the command of the vessel's second mate, a 156-foot "pocket cruiser" ran aground at Dundas Bay in Glacier Bay National Park. Cracks in the hull caused the vessel to flood with the incoming tide, making vessel instability a major concern during the response. Responders double-boomed the vessel to contain leaking fuel and lubricants and used sorbent material to clean up an estimated 40-50 gallons of spilled product. The Department and the U.S. Coast Guard worked with a National Park Service representative to identify environmentally sensitive areas. The vessel was refloated June 16 and the State's high-speed response vessel Icy Strait escorted the vessel out of Park waters.



### ARCO Drill Site 14

*Spill Date: 6/11/99  
Product: crude oil  
Quantity: 1,680 gallons  
Cause: hole in pipe*

A well line at ARCO Drill Site 14 pipe crimped and then severed. The auto emergency shutdown valve apparently failed to close because the line maintained pressure after it ruptured. Approximately 40 barrels (1,680 gallons) of crude oil mixed with water were released. The oil-water mixture sprayed out across the pad. The majority of the oil remained on the pad with a fine spray reaching tundra on the opposite, downwind side. Sorbent boom was used to remove oil in a nearby pond. Water fowl were nesting and active in the area and three cannons were set up at strategic points in the event hazing was necessary.



### Little Diomed Native Store

*Spill Date: 5/27/99  
Product: # 1 Arctic Diesel  
Quantity: estimated 2,000 gallons  
Cause: hole in filter on dispensing line*

A hole in the filter on a dispensing line from the village tank farm resulted in the loss of an estimated 2,000 gallons of fuel. Approximately 900 gallons of fuel was recovered. The recovered fuel will be used to heat seawater to boil oosiks, thus avoiding the additional cost of shipping the fuel to the mainland for disposal.



### City of Soldotna Well House "C"

*Spill Date: May 28, 1999  
Product: chlorine gas  
Quantity: unknown quantity  
Cause: human error*

40 lbs. of sodium hypochlorite was accidentally mixed with 10 lbs. of sodium bisulfite. The chemical reaction of these two compounds produced chlorine gas.



### Controller Bay Grounding

*Spill Date: May 8, 1999  
Product: diesel, hydraulic fluid, lube oil  
Quantity: estimated 6,850 gallons.  
Cause: human error, fatigue*

The fishing vessel Controller Bay went aground on the northwest shore of Unimak Island due to human error and fatigue, resulting in the loss of 6,850 gallons of diesel and other petroleum based products. No impacts to wildlife were observed. The vessel owner was asked to submit a salvage plan.

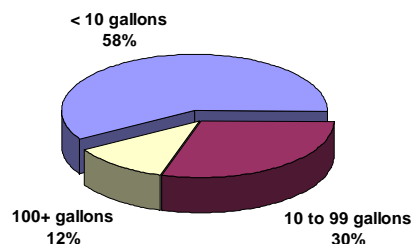


**For more information,  
visit our website at**

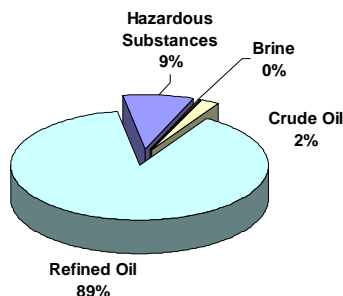
<http://www.state.ak.us/dec/dspar/perp>

# Data Summary

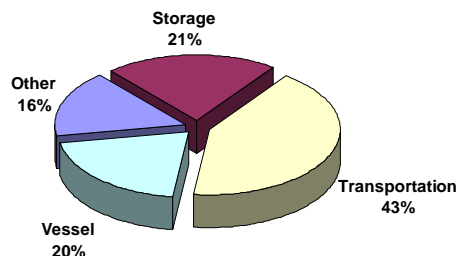
## Oil and Hazardous Substance Spills April 1 - June 30, 1999



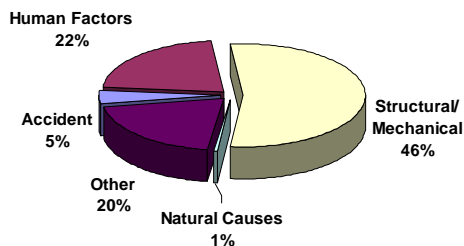
## Number of Spills by Size Class



## Number of Spills by Product



## Number of Spills by Source



## Number of Spills by Cause

# Spill News

## CLEANUP

**Swanson River Field Cleanup Continues.** On May 27 DEC staff inspected the spill cleanup site at Tank Setting 1-27. A crude oil and produced water spill occurred at this location in January as the result of an underground pipeline leak. An aggressive mechanical cleanup was conducted at that time using super-suckers and a track hoe before cleanup was secured for the winter in early February. Unocal and the U.S. Fish and Wildlife Service met onsite to discuss what additional cleanup measures are needed, closure sampling, and site rehabilitation. A super-sucker will remove remaining pockets of oil over the next two weeks followed by site rehabilitation. The goal is to revegetate the site as quickly as possible. The water interception trenches will remain in place until next year, and redesigned activated carbon filters will be installed downstream.

## DRILL

**Tesoro Spill Drill.** The Department participated in a two-day spill drill with Tesoro and Cook Inlet Spill Response, Inc. (CISPRI). The first day of the exercise was a tabletop drill at CISPRI Command Center in Nikiski. The spill scenario was an 18,776-barrel crude oil spill from the fictitious T/V Cook Inlet Trader following a collision with the KPL dock in Nikiski. The spill oiled shoreline north of the KPL dock in the East Forelands area. Tesoro simulated activation of on-water and shoreline cleanup task forces. The second day of the exercise was the field deployment of on-water and on-shore taskforces in Homer.

## LOCAL RESPONSE

**Local Hazardous Waste Operations (HAZWOPER) Training.** DEC conducted 8-hour Hazwoper refresher training in Iliamna, Nondalton and Newhalen. A total of 35 people were trained.

**Response Training for Park Service in Glacier Bay.** On June 9-10 DEC and the U.S. Coast Guard (USCG) provided response training for 30 students from the National Park Service (NPS) and local response organization personnel in Gustavus. The training was held at NPS offices and the fuel dock at Bartlett Cove, Glacier Bay National Park and Preserve. The training covered response safety, booms, boom anchoring, and other topics in a one-day classroom setting with one additional day spent practicing on-water boom deployment and anchoring. Two days later the M/V Wilderness Adventurer grounded in Dundas Bay, and many of the same students used the skills learned in the training to quickly double boom the vessel late the first night.

## PLANNING

# Spill News

**ARRT Approves Unified Plan Changes.** At their meeting in Cordova on June 10, 1999, the ARRT agreed to proceed with the publication of Change 2 to the Unified Plan. The ARRT also agreed with the recommendation to proceed with the publication of Change 1 to the Prince William Sound Subarea Contingency Plan.

## RESPONSES

**Vessel Groundings.** The Department responded to the grounding of the vessels M/V Redfin and F/V Controller Bay in May. The F/V Controller Bay ran aground on the northwest shore of Unimak Island on May 8 when the vessel master fell asleep while underway. Approximately 6,800 gallons of diesel, hydraulic and lube oil spilled. The vessel was severely damaged by a storm on May 9. On May 10 the vessel M/V Redfin, owned and operated by Western Pioneer, ran aground near the entrance of Cold Bay. The vessel discharged an unknown quantity of diesel fuel into the bay. The discharge was stopped when fuel was transferred from the forward tanks to the aft. Containment boom was deployed around the vessel. Magone Marine was hired to refloat the vessel. On May 12, the vessel was refloated after fuel and cargo were offloaded. The vessel was then moved to the Cold Bay city dock for temporary repairs.

**Tank Truck Rollover.** On June 22 a Service Oil and Gas fuel tanker rolled over a steep highway embankment towards Long Lake at approximately milepost 85 of the Glenn Highway. The tanker carried 9500 gallons of Jet-B fuel and spilled 3,978



gallons from two ruptured compartments onto State Park property. Service Oil and Gas and its contractor responded with lightering equipment and absorbent pads and boom. Responders deployed both hard and absorbent boom on the lake as a preventative

measure. The lake is monitored daily, and to date no sheens have been observed. An environmental consultant will prepare a work plan to perform a site investigation.

**PLEASE NOTE.** . . This report is based on provisional spill data. Readers should be aware that minor discrepancies in the data may exist.

## Spill Digest

### HAZARDOUS SUBSTANCES (excluding brine)

**Total Count:** 56

**Total Gallons:** 6,410

#### Top 5 Substances

(does not include releases reported in pounds)

Product	Count	Gallons
Corrosion Inhibitor	1	244
Ethylene Glycol (Antifreeze)	21	203
Drag Reducing Agent	1	150
Magnesium Oxide (Slurry)	1	50
Biozan Gel	1	42

#### Top 5 Causes

Cause	Count	Gallons
Puncture	1	2,000
Leak, Other	5	1,560
Connection Faulty	5	520
Containment Overflow	1	400
Valve Faulty	4	247

#### Top 5 Sources

Source	Count	Gallons
School Tank/S	1	2,000
Home/Office/Business	4	1,620
Pipeline	3	259
Industrial Vehicle	13	82
Drums	3	52

### CRUDE AND REFINED OIL

**Total Count:** 518

**Total Gallons:** 44,756

#### Top 5 Substances

Product	Count	Gallons
Diesel	244	31,049
Crude	17	6,738
Drilling Muds	2	1,893
Engine Lube Oil	40	957
Hydraulic Oil	81	912

#### Top 5 Causes

Cause	Count	Gallons
Grounding	5	8,630
Corrosion	9	7,415
Overturn/Capsize	9	5,027
Tank Overfill	67	4,247
Tank Leak	14	4,193

#### Top 5 Sources

Source	Count	Gallons
Fishing	40	8,846
Platform	9	6,515
Truck	19	5,504
School Tank/S	6	4,127
Home Heating Tank	31	3,237

# 1999 Calendar

## MEETINGS

July 21 SERC Meeting, Anchorage  
 September 28 Alaska Regional Response Team, Kodiak  
 October 20 SERC Meeting, Anchorage

## DRILLS

August 13 Mutual Aid Drill, North Slope  
 September 1-2 Marine Terminal Exercise, Valdez  
 September 14-16 CANUSDIX 99  
 October 26-28 HAZMAT Drill, Kodiak

**SEND COMMENTS AND SUBSCRIPTION REQUESTS TO:**

Camille Stephens, 410 Willoughby Ave., Juneau, AK 99801

or

email: [cstephen@envircon.state.ak.us](mailto:cstephen@envircon.state.ak.us)

## At a glance... For the period April 1 - June 30, 1999

### Spill Summary

Total Spills Reported (includes 7 Brine releases):	591
Oil -- Total Gallons Released	44,756
Hazardous substances -- Total Gallons Released	6,410
Brine -- Total Gallons Released	665

### Oil Releases

Total Spills Reported:	518
Largest Total Volume Released	
Substance (244 spills)	Diesel
Cause (67 spills)	Tand Overfill
Source (96 spills)	Industrial Vehicle
Largest Single Release	Diesel, 8,000 gallons

### Hazardous Substance Releases (excluding brine)

Total Spills Reported:	56
Largest Total Volume Released	
Substance* (244 gallons):	Corrosion Inhibitor
Cause* (2,000 gallons):	Puncture
Source* (2,000 gallons):	School Tanks
Largest Single Release*	Corrosion Inhibitor, 244 gallons

\*excludes "Other" or "Unknown"

\*\*exclude 10 releases reported in pounds



Prevention and Emergency Response Program  
 Division of Spill Prevention and Response  
 Department of Environmental Conservation  
 410 Willoughby Avenue  
 Juneau, AK 99801-1795

<http://www.state.ak.us/dec/dspar/perp/perphome.htm>  
 Phone: 907-465-5220  
 FAX: 907-465-5244

mail label

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