



Quarterly Provisional Data Release OIL AND HAZARDOUS SUBSTANCE RELEASES

PREVENTION AND EMERGENCY RESPONSE PROGRAM
DIVISION OF SPILL PREVENTION AND RESPONSE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

APRIL 1 - JUNE 30, 1997

SPILLS DIGEST

Most common spill substance, causes and sources during the quarter. Abbreviations refer to the categories used for graphs on pages 2-3.

TOP 10 SPILL SUBSTANCES

Product Name	Count
1 Diesel	210
2 Hydraulic Oil	77
3 Other	63
4 Gasoline	59
5 Aviation Fuel	49
6 Waste Oil (All Types)	37
7 Engine Lube Oil	35
8 Crude	34
9 Ammonia (Anhydrous) *	25
10 Bilge Oil	14



TOP 10 SPILL CAUSES

Cause	Count
1 Leak, Other	118
2 Unknown	79
3 Tank Overfill	68
4 Line Ruptured	61
5 Other	43
6 Intentional Release	41
7 Vent Discharge	31
8 Cargo Not Secured	29
Valve Faulty	29
9 Seal Failure	19
10 Bilges Pumped	17



TOP 10 SPILL SOURCES

Source	Count
1 Other	70
2 Unknown	63
3 Industrial Vehicle	55
4 Home/Office/Business	51
5 Fishing	43
6 Auto	42
7 Fuel Station	39
Refinery	39
8 Drum/S	36
9 Truck	34
10 Aircraft	33

SIGNIFICANT RESPONSES

PAN DYNAMIC FREIGHTER

April 3, 1997

The freighter **Pan Dynamic** was disabled in Kazakof Bay on Afognak Island after the bow anchor line broke and the stern mooring line wrapped around the rudder and propeller. The vessel was carrying 227,400 gallons of bunker and 15,300 gallons of diesel, but no spill occurred.



STAR OF KODIAK

April 4, 1997

A major fire at the Star of Kodiak cannery resulted in several ammonia releases estimated at 100 pounds each. The cannery also had chlorine and petroleum products on site. A mobile Command Center, was established just off site. State support for the incident was offered, but was not needed.



EAST POINT SEAFOODS PLANT, DUTCH HARBOR

April 29, 1997

A major fire occurred at the East Point Seafood

Plant. As a precaution, ammonia was vented from the refrigeration units. Some of the gas cylinders stored in the building are believed to have released their contents during the fire.



SIGNATURE FLIGHT SUPPORT PLANT #3, ANCHORAGE INTERNATIONAL AIRPORT

May 2, 1997

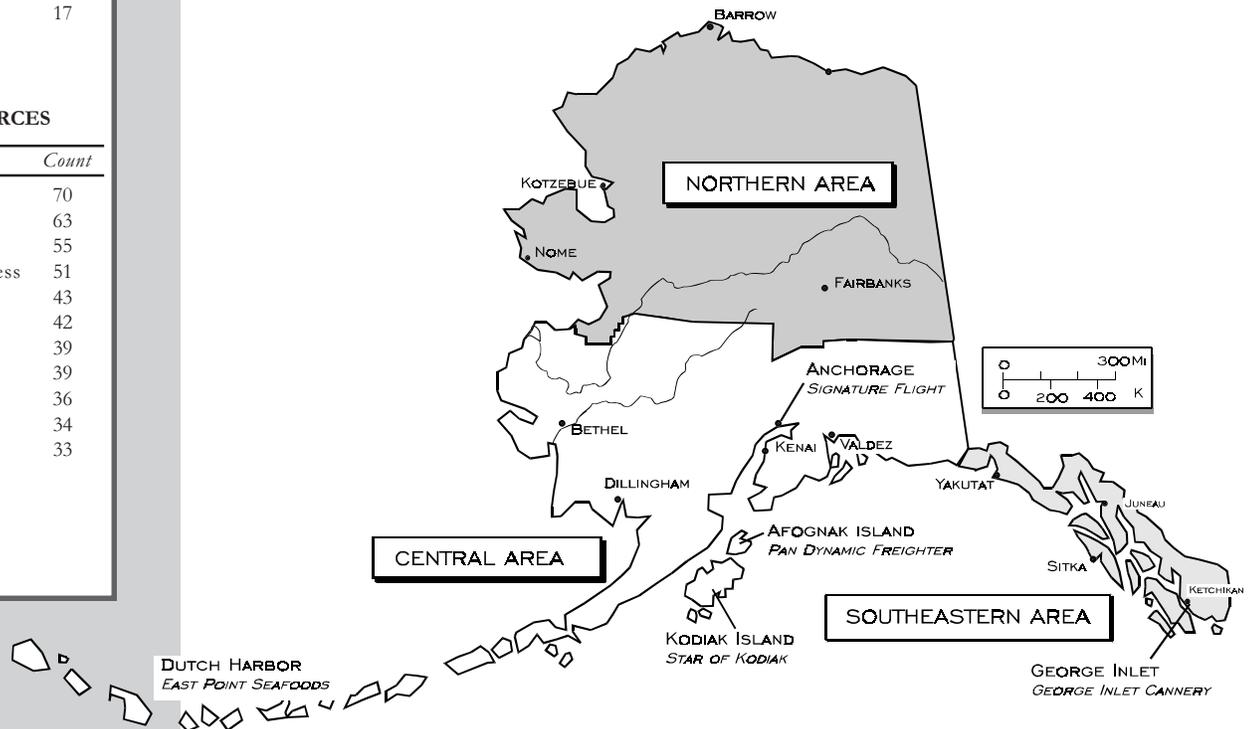
A backhoe struck a buried 2" valve on a jet fuel line causing the release of more than 3,000 gallons of Jet A fuel. Vacuum trucks recovered about 3,000 gallons from a ditch.



GEORGE INLET

May 10, 1997

An estimated 250-gallons of Bunker C heavy oil was released when a fuel storage tank at the George Inlet Cannery fell off its platform onto the beach. Approximately 1,500 feet of shoreline was impacted. DEC staff are monitoring clean up activities.

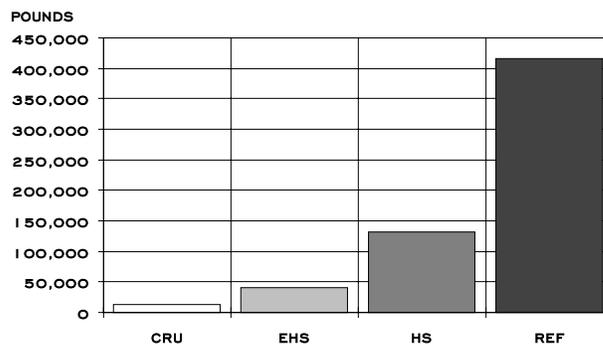
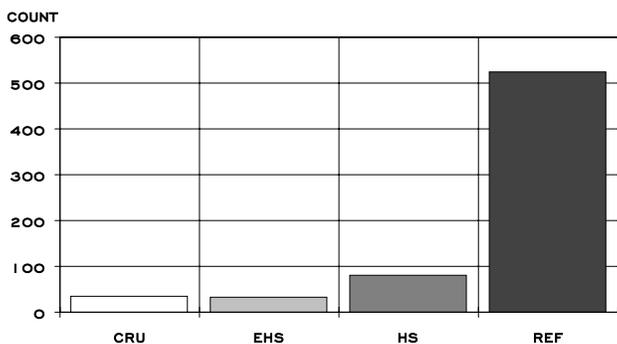


I. STATEWIDE SUMMARY OF RELEASES BY PRODUCT

PRODUCT	STATEWIDE	
	COUNT	TOTAL LBS
CRU	34	13,478
EHS	32	40,156
HS	80	131,573
REF	525	415,009
TOTAL	671	600,216

KEY TO GRAPHS	
	Crude Oil (CRU)
	Extremely Hazardous Substance (EHS)
	Hazardous Substance (HS)
	Refined Oil (REF)

NOTE: RELEASES ARE REPORTED TO THE DEPARTMENT IN GALLONS (GAL) OR POUNDS (LBS). HOWEVER, IN ORDER TO SUMMARIZE DATA IN BAR GRAPHS, RELEASES REPORTED IN GALLONS ARE CONVERTED TO POUNDS USING 8.33 POUNDS/GALLON AS A CONVERSION FACTOR. TO CONVERT POUNDS TO GALLONS, DIVIDE BY 8.33.



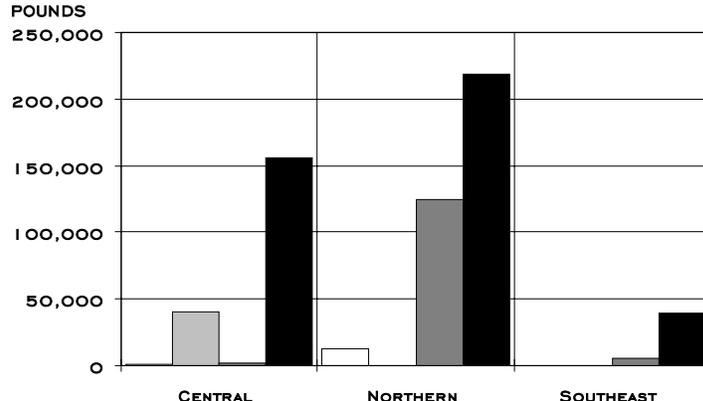
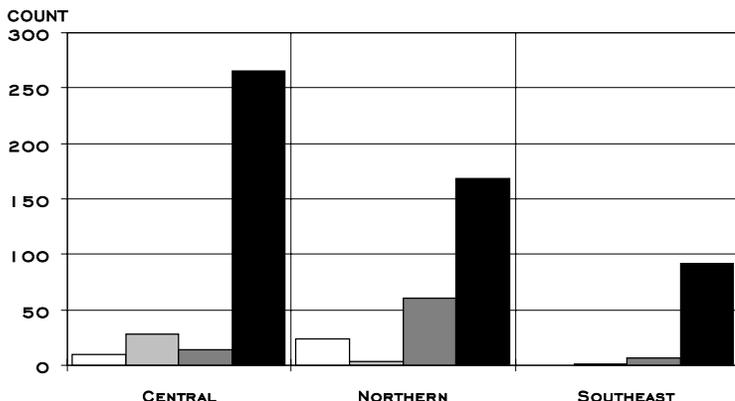
NUMBER OF RELEASES BY PRODUCT

POUNDS RELEASED BY PRODUCT

II. SUMMARY OF RELEASES BY AREA

PRODUCT	CENTRAL AREA		NORTHERN AREA		SOUTHEAST AREA	
	COUNT	TOTAL LBS	COUNT	TOTAL LBS	COUNT	TOTAL LBS
CRU	10	1,324	24	12,153		
EHS	28	40,102	3	37	1	17
HS	14	1,708	60	124,381	6	5,484
REF	265	156,354	168	218,929	92	39,726
TOTAL	317	199,488	255	355,501	99	45,227

KEY TO GRAPHS	
	Crude Oil (CRU)
	Extremely Hazardous Substance (EHS)
	Hazardous Substance (HS)
	Refined Oil (REF)



NUMBER OF RELEASES BY AREA AND PRODUCT

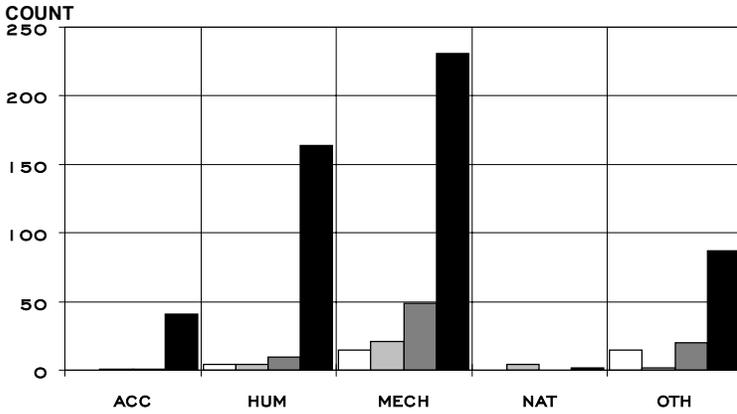
POUNDS RELEASED BY AREA AND PRODUCT

III. SUMMARY OF RELEASES BY CAUSE

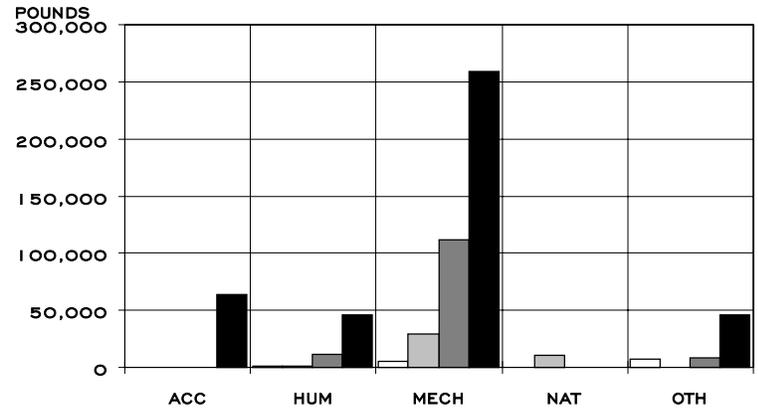
PRODUCT	ACCIDENT		HUMAN FACTORS		MECHANICAL		NATURAL CAUSES		OTHER/UNKNOWN	
	COUNT	TOTAL LBS	COUNT	TOTAL LBS	COUNT	TOTAL LBS	COUNT	TOTAL LBS	COUNT	TOTAL LBS
CRU			4	600	15	5,265			15	7,614
EHS	1	20	4	745	21	29,268	4	10,106	2	17
HS	1	1	10	11,520	49	111,450			20	8,602
REF	41	64,266	164	46,190	231	258,888	2	83	87	45,582
TOTAL	43	64,287	182	59,055	316	404,870	6	10,189	124	61,814

KEY TO GRAPHS

- Crude Oil (CRU)
- Extremely Hazardous Substance (EHS)
- Hazardous Substance (HS)
- Refined Oil (REF)



NUMBER OF RELEASES BY CAUSE AND PRODUCT



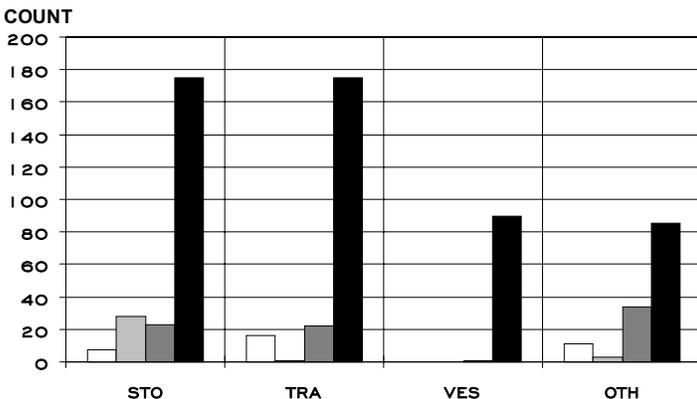
POUNDS RELEASED BY CAUSE AND PRODUCT

IV. SUMMARY OF RELEASES BY SOURCE

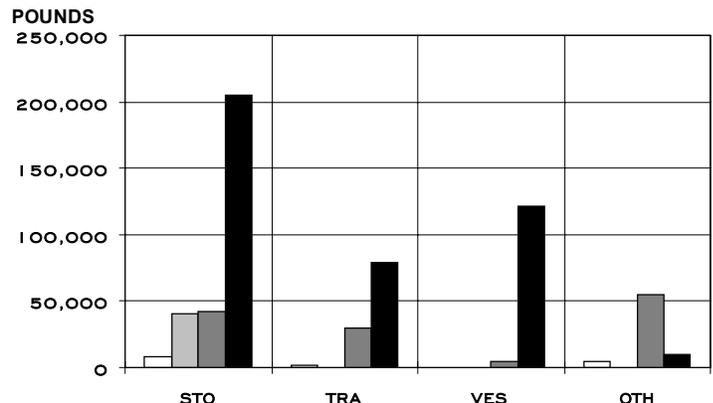
PRODUCT	STORAGE		TRANSPORTATION		VESSEL/BARGE		OTHER/UNKNOWN	
	COUNT	LBS	COUNT	LBS	COUNT	LBS	COUNT	LBS
CRU	7	7,855	16	1,491			11	4,132
EHS	28	40,122	1	8			3	25
HS	23	42,300	22	29,841	1	4,165	34	55,268
REF	175	204,626	175	79,118	90	120,960	85	10,304
TOTAL	233	294,904	214	110,458	91	125,125	133	69,729

KEY TO GRAPHS

- Crude Oil (CRU)
- Extremely Hazardous Substance (EHS)
- Hazardous Substance (HS)
- Refined Oil (REF)



NUMBER OF RELEASES BY SOURCE AND PRODUCT



POUNDS RELEASED BY SOURCE AND PRODUCT

PREVENTION NOTES....

STAFF SHARE OIL SPILL RESPONSE EXPERTISE WITH JAPANESE

DEC staff met with representatives from the Japanese Environment Agency and University of Tokyo to discuss the evolution of the Department's oil spill response, preparedness and prevention programs after the Exxon Valdez oil spill. Technical information was provided to the representatives regarding shoreline assessment, cleanup techniques, contingency plan requirements, and State statutes and regulations.



DEC CONTINUES TO EXPAND LOCAL RESPONSE CAPABILITY

DEC met with Kenai Peninsula Borough (KPB), Prince William Sound Regional Citizens' Advisory Council (RCAC) and Cook Inlet RCAC representatives to discuss details of the transfer of a response barge to the KPB, and the execution of local response agreements with the Borough and individual Kenai Peninsula communities. The strike team model will be implemented in three pilot communities and will gradually expand to include other cities and towns on the Peninsula.

The Department also finalized a local response agreement with the North Slope Borough (NSB).



MARINE FIREFIGHTING PLAN UNDER REVIEW

DEC and the Department of Public Safety, Fire Marshal's Office have updated the draft marine firefighting concept of operations for State agencies. The State Fire Marshal has assumed the lead role for the State for marine vessel fires (to include on-board search and rescue and body-recovery operations). The updated draft has been distributed to the other State agencies for final review and comment. The Prince William Sound Marine Firefighting Task Force will include additional language in the draft marine firefighting plan to describe the State's role in marine fires.



FORMER DOT FACILITY TO BE CONVERTED TO EMERGENCY RESPONSE OPERATIONS BASE IN VALDEZ

DEC signed an agreement with the Department of Transportation and Public Facilities (DOT/PF) to renovate a former DOT/PF building in Valdez for use as an operations and logistics base for emergency response during a major spill event in Prince William Sound. The facility will be used for equipment storage and special projects during non-emergencies.

DEFINITIONS & ABBREVIATIONS

Crude Oil (CRU): unrefined petroleum products.

Refined Oil (REF): refined petroleum products, including gasoline, diesel, petroleum-based lubricants, oily waste, kerosene, and aviation fuel.

Extremely Hazardous Substance (EHS): acutely toxic substances as established by the U.S. Environmental Protection Agency under the Emergency Planning and Community Right-to-Know Act. The list of EHSs is established by federal regulation (40 CFR Part 355) and includes approximately 360 substances. Chlorine and ammonia are the most common EHSs used in Alaska.

Hazardous Substance (HS): any substance not included in the above definitions that is potentially harmful to humans or the environment when it is released to land, air, or water.

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

TO SUBSCRIBE... to the "Quarterly Summary of Oil and Hazardous Substance Releases," send your name and address to: Camille Stephens, 410 Willoughby Ave., Juneau, AK 99801, or email:

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