



Quarterly Summary OIL AND HAZARDOUS SUBSTANCE RELEASES

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

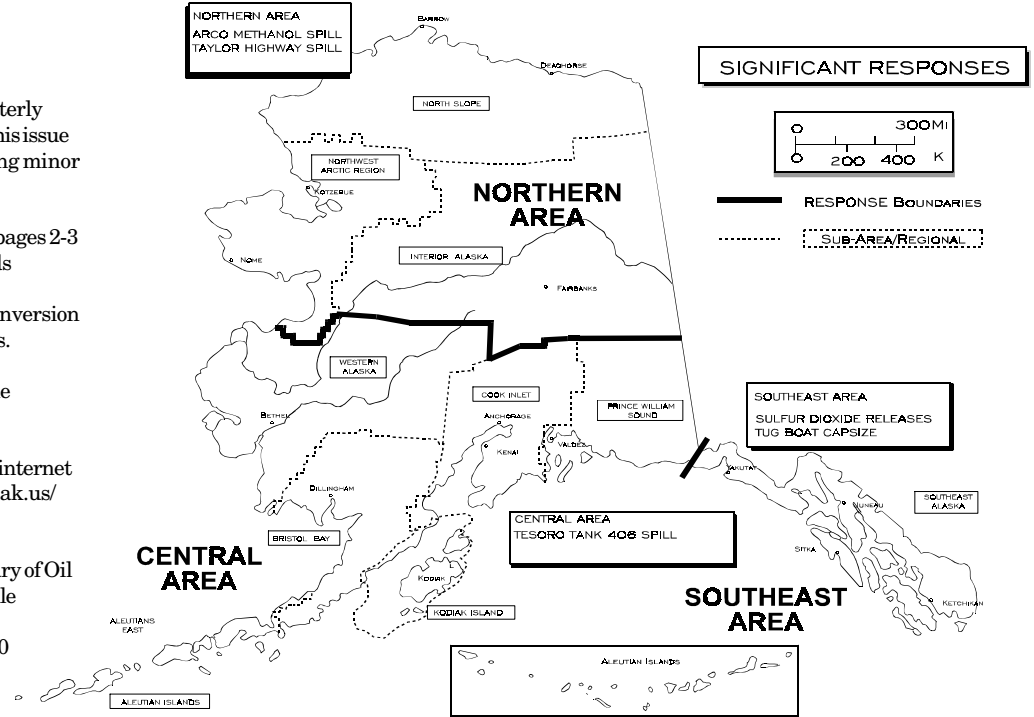
CORRECTED VERSION
OCTOBER 1-DECEMBER 31, 1995

New this issue....

Welcome to the second issue of the Department's Quarterly Summary of Oil and Hazardous Substance Releases. This issue closely follows the format of the first one. The following minor changes have been made:

- A column has been added to the summary tables on pages 2-3 to show total gallons released in addition to total pounds released. As in the first quarter summary, gallons were converted to pounds using 8.33 pounds/gallon as the conversion factor in order to summarize the spill data in bar graphs.
- Cumulative totals were added to the Table "Statewide Summary of Releases by Product" in Section I.
- The quarterly spill summary is now available on the internet from the Department's homepage at <http://www.state.ak.us/local/akpages/env.conserv/home>.

If you have any questions about the Quarterly Summary of Oil and Hazardous Substance Releases please contact Camille Stephens by phone at 907-465-5242, internet email at cstephen@envircon.state.ak.us, or by regular mail at 410 Willoughby Avenue, Juneau, Alaska 99801.



SIGNIFICANT RESPONSES

SULFUR DIOXIDE RELEASES

October-December 1995

Nineteen sulfur dioxide releases totalling 1,057 pounds were reported by the Ketchikan Pulp Mill (KPC) during the quarter. The Department is continuing to work with KPC to prevent releases and improve emergency response procedures.

TUG BOAT CAPSIZES IN LYNN CANAL

December 1, 1995

The tug boat TONGASS capsized and sank in rough seas in Lynn Canal, resulting in one death. An estimated 5,000 gallons of diesel were released. Due to weather conditions, no cleanup was attempted.

TESORO TANK 406

December 5, 1995

Crude oil was released from a storage tank at the Tesoro Tank Farm in Nikiski, apparently due to a mechanical failure. The oil escaped the secondary containment system and spilled into Cook Inlet. Tesoro estimated approximately 60-70 barrels (approximately 2,500-2,900 gallons) were released.

ARCO METHANOL SPILL

December 10, 1995

An estimated 400-500 gallons of 50% methanol solution were released at an east Prudhoe drill site. Contaminated snow was removed, melted and then reinjected into the well. Contaminated gravel was steam treated to remove contamination. Soils will be sampled to insure remediation was sufficient.

TAYLOR HIGHWAY SPILL

October 23, 1995

An estimated 9,000 gallons of diesel were released when a tank truck rolled over at Mile 61 of the Taylor Highway north of Fairbanks. Contaminated soil was removed and stored at the responsible party's facility for later disposal.

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.

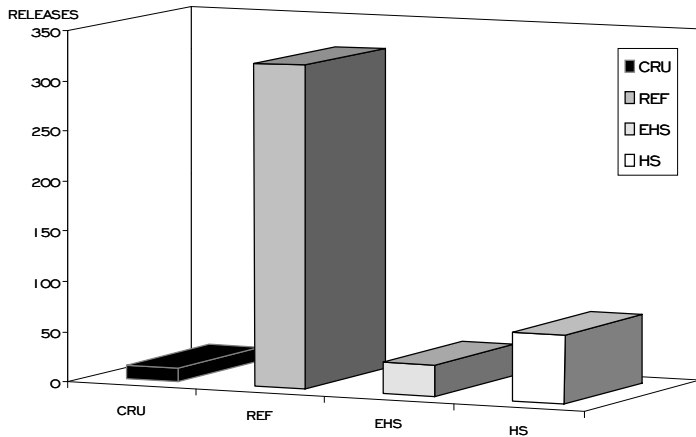
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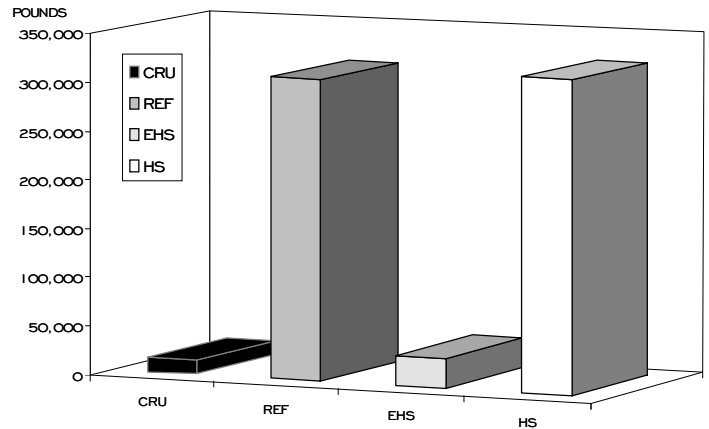
I. STATEWIDE SUMMARY OF RELEASES BY PRODUCT

PRODUCT CATEGORY	2ND QUARTER			YEAR-TO-DATE		
	#	GAL	LBS	#	GAL	LBS
CRUDE OIL (CRU)	14	1,766		30	2,887	
REFINED OIL (REF)	321	36,143	8,060	729	77,760	18,060
EXTREMELY HAZARDOUS SUBSTANCES (EHS)	31	8	31,099	53	24	33,001
HAZARDOUS SUBSTANCES (HS)	68	37,111	12,200	150	53,941	16,689
TOTAL	434	75,028	51,359	962	134,612	67,750

NOTE: IN ORDER TO SUMMARIZE DATA IN BAR GRAPHS, RELEASES REPORTED IN GALLONS WERE CONVERTED TO POUNDS USING 8.33 POUNDS/GALLON AS A CONVERSION FACTOR.



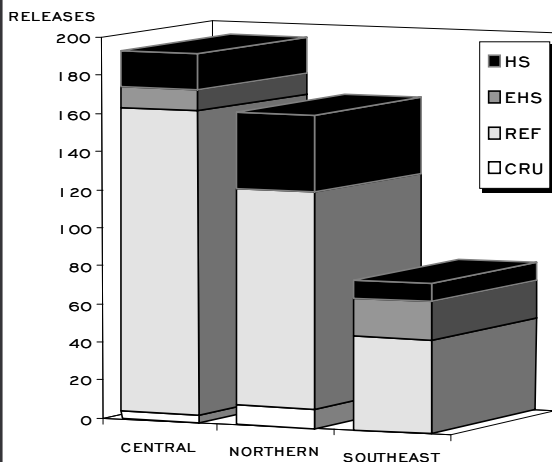
NUMBER OF RELEASES BY PRODUCT CATEGORY



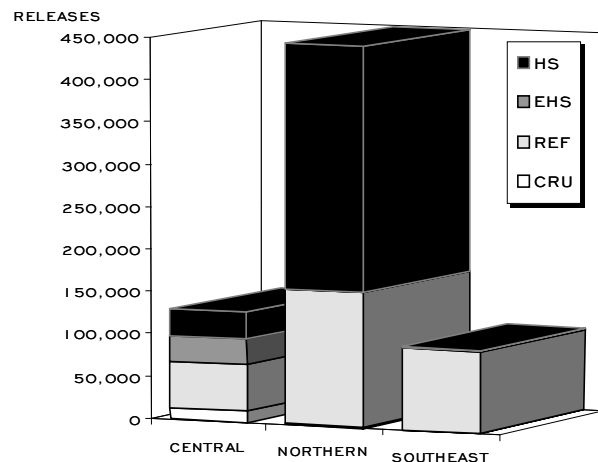
POUNDS RELEASED BY PRODUCT CATEGORY

II. SUMMARY OF RELEASES BY AREA

PRODUCT	CENTRAL			NORTHERN			SOUTHEAST		
	#	GAL	LBS	#	GAL	LBS	#	GAL	LBS
CRU	4	1,612		10	154				
REF	159	6,616		113	17,978	8,000	49	11,549	60
EHS	11		30,049				20	8	1,050
HS	19	2,411	12,000	40	34,638	200	9	62	
TOTAL	193	10,639	42,049	163	52,770	8,200	78	11,619	1,110



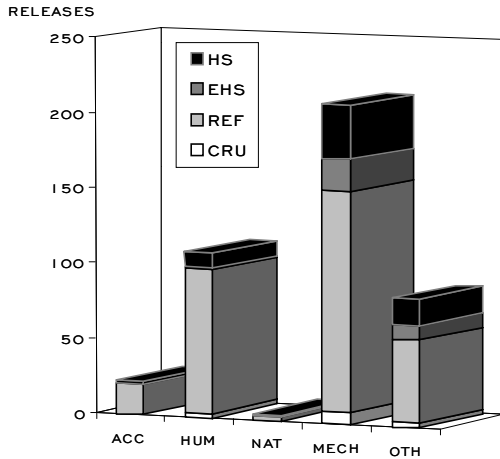
NUMBER OF RELEASES BY AREA AND PRODUCT



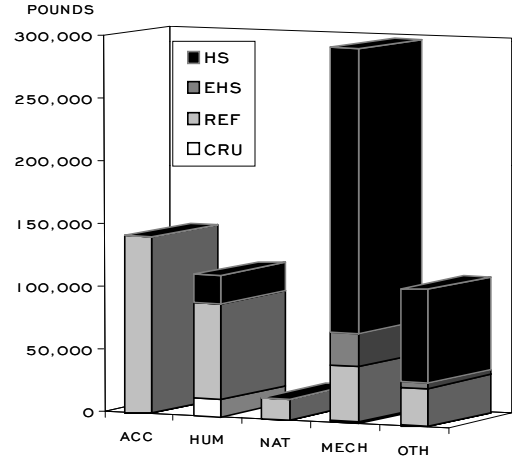
POUNDS RELEASED BY AREA AND PRODUCT

III. SUMMARY OF RELEASES BY CAUSE

PRODUCT	ACCIDENT			HUMAN FACTORS			NATURAL CAUSES			MECHANICAL			OTHER/UNKNOWN		
	#	GAL	LBS	#	GAL	LBS	#	GAL	LBS	#	GAL	LBS	#	GAL	LBS
CRU				3	1,626					8	110		3	30	
REF	20	16,040	8,000	96	9,180		3	2,011	60	146	5,269		55	3,643	
EHS				1		1				21	8	26,764	9		4,334
HS	2	2		10	2,044	6,000	1	1		36	26,955	200	18	8,109	6,000
TOTAL	22	16,042	8,000	110	12,850	6,001	4	2,012	60	211	32,342	26,964	85	11,782	10,334



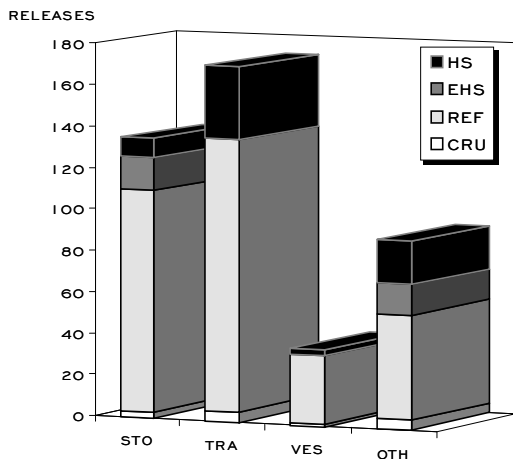
NUMBER OF RELEASES BY CAUSE AND PRODUCT



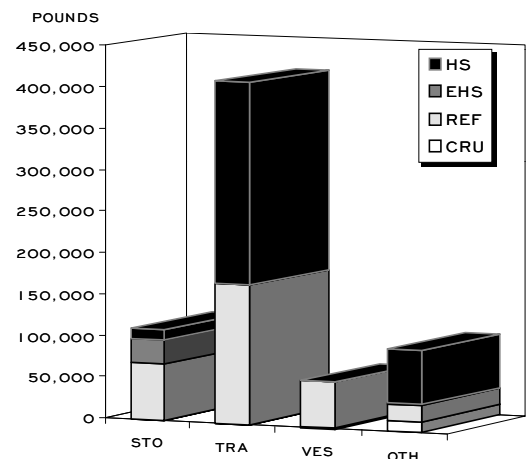
POUNDS RELEASED BY CAUSE AND PRODUCT

IV. SUMMARY OF RELEASES BY SOURCE

PRODUCT	STORAGE			TRANSPORT			VESSEL/BARGE			OTHER/UNKNOWN		
	#	GAL	LBS	#	GAL	LBS	#	GAL	LBS	#	GAL	LBS
CRU	3	1,611		5	91		1	1		5	63	
REF	107	8,093	60	131	19,134	8,000	33	6,595		50	2,321	
EHS	16		30,075							15	8	1,024
HS	9	1,422		35	27,862	12,000	3	4		21	7,823	200
TOTAL	135	11,126	30,135	171	47,087	20,000	37	6,600		91	10,215	1,224



NUMBER OF RELEASES BY SOURCE AND PRODUCT



POUNDS RELEASED BY SOURCE AND PRODUCT

PREVENTION NOTES....

Initial Prevention Team Meeting

DEC's Prevention Team held their inaugural meeting on November 14, 1995 in Anchorage. The agenda included a discussion of the team's overall purpose and objectives, discussion of the first quarter's spill statistics for FY 96, data/trend analysis and sorting techniques, and risk reduction and prevention measures. The team consists of representatives from SPAR's Prevention and Emergency Response, Industry Preparedness and Pipeline, Storage Tanks, and Contaminated Sites Programs, as well as representatives from the Area Public Service Division. The primary purpose of the team is to review spill statistics and develop appropriate measures to reduce the number of releases. These measures

may include risk reduction, public outreach, enforcement, technical assistance, or new legislation. The team will meet each quarter to review the previous quarter's statistics.

An Innovative Idea

DEC's Central Alaska Response Staff has developed an innovative and cost-saving method to reuse 3200 gallons of an off-specification fuel mixture in Western Alaska. Instead of the normal procedure of shipping the mixture to Seattle, DEC contracted to have the fuel mixture blended in Bethel, and reused in heavy equipment and construction vehicles. The process raises the flashpoint of the blended fuel, thus allowing it to be used for its primary intended purpose. The fuel blending creates a product that is RCRA-exempt and eliminates the difficult and expensive problem of RCRA waste disposal. The cost savings to the State? Approximately \$70,000! A one-page legal agreement has also been approved releasing the State and the village (the original

product owner) from further liability once the fuel mixture is in the physical custody of the contractor.

Waste Oil Disposal

Abandoned drums are a major pollution concern. Not only are they an eyesore in remote areas and along public right-of-ways but, more importantly, consume a considerable amount of State time and dollars for proper handling and disposal, and subsequent criminal investigation. Several communities offer **free** waste oil disposal service. As an example, the Municipality of Anchorage landfill and transfer facilities will allow disposal of up to five gallons of waste oil per person per day. Annual cleanup drives are also held in a number of communities, the public to turn in used oil and hazardous substances to collection facilities. The problem can be minimized by remembering to avoid accumulating large quantities of used product in drums and to dispose of waste oil properly and promptly. Check with your local community or DEC office and take advantage of free disposal services.



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DIVISION OF SPILL PREVENTION AND RESPONSE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
410 WILLOUGHBY AVENUE
JUNEAU, AK 99801-1795

PHONE: 907-465-5220
FAX: 907-465-5244

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