

ALASKA LEGISLATURE COMMITTEE FILES 1993-1994 8672

8040 • HOUSE RESOURCES •

**Table B**  
**OIL & HAZARDOUS SUBSTANCE RELEASE RESPONSE FUND**  
**Balance Sheet**  
**June 30, 1993**

	<u>June 30, 1993</u>	<u>June 30, 1992</u>
<b>Assets</b>		
Cash	36,447,489.35	33,062,827.01
Accounts Receivable	2,339,795.44	2,339,939.90
Advance-Univ. of Alaska	6,633.49	0.00
<b>Total Assets</b>	<u><u>38,792,918.28</u></u>	<u><u>35,402,766.91</u></u>
<b>Liabilities</b>		
Accrued Payable	265,923.23	1,082,600.16
Warrants Outstanding	130,329.39	275,408.17
<b>Total Liabilities</b>	395,352.62	1,358,008.33
<b>Fund Balance</b>		
Reserve for Encumbrances	6,786,808.10	13,911,537.91
Reserve for PY Authorizations	2,187,788.18	1,822,446.72
Reserve for Restricted Revenue	0.00	(5,641,109.99)
Unreserved	29,422,969.38	23,951,883.94
<b>Total Fund Balance</b>	<u><u>38,397,565.66</u></u>	<u><u>34,044,758.58</u></u>
<b>Total Liabilities and Fund Equity</b>	<u><u>38,792,918.28</u></u>	<u><u>35,402,766.91</u></u>

The Response Fund also has equipment assets which have a total purchase value of \$1,313,305.

Note, the Unreserved Balance, minus the Accounts Receivable, represents the cash balance available for appropriation.

**Table C**  
**Summary of OHSRRF Funding Sources and Deposits to Oil Surcharge Account**  
**1986-1993**  
(In Thousands)

**Response Fund Source of Funding**

Fiscal Year	General Fund Program Receipts	General Fund Mitigation Revenue	Oil Surcharge Revenue	Other General Fund	Total
FY 87		158.7		522.0	680.7
FY 88		304.3		825.0	1,129.3
FY 89	10,000.0	136.5		10,500.0	20,636.5
FY 90	20,000.0	197.6		32,600.0	52,797.6
FY 91		1,696.1	27,000.0		28,696.1
FY 92		30.1	28,500.0		28,530.1
FY 93		1,823.3	27,000.0		28,823.3
FY 94		697.0	26,700.0		27,387.0
<b>Total:</b>	<b>30,000.0</b>	<b>5,033.6</b>	<b>109,200.0</b>	<b>44,447.0</b>	<b>188,680.6</b>

**Revenue Collected Oil Surcharge Account**

FY 90	26,932.4
FY 91	27,965.2
FY 92	28,669.0
FY 93	<u>26,142.6</u>
<b>Total:</b>	<b><u>109,709.2</u></b>

TABLE D

FY 93 Mitigation Account Summary  
(In Thousands)

Summary of Revenue by Type

<u>Site</u>	<u>Cost Recovery</u>	<u>Penalty</u>	<u>Settlement</u>	<u>Interest</u>	<u>Total</u>
Alaska Pulp Corporation (Sitka Pulp Mill)		2.9			2.9
Anchor Point - Cost Recovery	28.5				28.5
Anchorage Clean Sweep			3.8		3.8
Arco Swanson River Settlement			7.3		7.3
Chevron Kenai Pipeline Oil Spill	34.9		54.9		89.8
Chilbo San #6 Settlement				93.0	93.0
Cook's Sterling Tesoro Settlement			9.0		9.0
East Sound (NPLF)	13.3				13.3
Exxon Valdez Settlement			12,314.9		12,314.9
F/V Terminator/Comet			12.0		12.0
Hyundai #12	11.2		3.0		14.2
K&W Trucking	8.1				8.1
Klawock Cannery			17.5		17.5
Poppy Lane Gravel Pit	19.1				19.1
Poppy Lane Treatment Facility (Marathon) Fine		60.0			60.0
Sitka Air Monitoring (APC) Cost Recovery	55.5		7.4		62.9
Southcentral Communications	0.1				0.1
Swan Lake - Cost Recovery	0.9				0.9
T/V Arco Juneau - Settlement			5.0		5.0
T/V Arco Sag River - Settlement			5.0		5.0
Unisea Facility Fine		11.2			11.2
<b>Total</b>	<b>171.6</b>	<b>74.1</b>	<b>12,439.8</b>	<b>93.0</b>	<b>12,778.5</b>

Note that although the above deposits have been made to the Mitigation Account, they may not have been appropriated in total to the Response Fund. For amounts appropriated to the Response Fund, please see Table C.

**Table E**  
**OIL & HAZARDOUS SUBSTANCE RELEASE RESPONSE FUND**  
**Summary of FY 94 Appropriations**

**Appropriations to the Fund:**

From General Fund	26,700.0
July 1, 1993 Balance of Mitigation Account Fund	687.0
<b>Total Appropriated to the Fund for FY 1994</b>	<b><u>27,387.0</u></b>

**Appropriations from the Fund:**

**Authorized**

Agency	Description	
ADEC	Administrative Services	740.6
ADEC	Environmental Quality Director's Office	123.0
ADEC	Environmental Quality Monitoring & Lab Support	186.5
ADEC	Spill Prevention & Response Director's Office	976.3
ADEC	Spill Prevention & Response Contaminated Sites	2,839.7
ADEC	Spill Prevention & Response Storage Tank Asst. Prog.	108.0
ADEC	Spill Prevention & Response Industry Preparedness	2,311.1
ADEC	Spill Prevention & Response Gov't. Preparedness	4,782.3
ADEC	Spill Prevention & Response - Response Fund Admin.	2,569.4
ADEC	Spill Reserve (Note 1)	34,066.1
<b>ADEC Subtotal:</b>		<b><u>48,003.0</u></b>
DMVA	Emergency Operation Center Enhancements	430.0
DMVA	Emergency Operations Center Enhancements	648.0
DNR	Childs Pad, Deadhorse Contaminated Site Cleanup/Assessment	290.0
DNR	Forward Pad, Deadhorse Contaminated Site Cleanup/Assessment	200.0
DNR	Soldotna, Perinsula Greenhouse Contaminated Site Cleanup/Assessment	41.0
DNR	McGrath Airport Fuel/Retardant Facility Contaminated Site Assessment	123.0
DOT/PF	Kodiak Airport Contaminated Site Cleanup	107.0
DOT/PF	Unalaska Airport Contaminated Site Assessment	92.0
DOT/PF	Aniak Airport Contaminated Site Cleanup	127.0
DOT/PF	Tudor Road Maintenance Complex Contamination Assessment/Cleanup	117.0
DOT/PF	St. Mary's Maintenance Station Contamination Assessment & Cleanup	47.0
DOT/PF	Peger Road Maintenance Station Contamination Assessment & Cleanup	170.0
DOT/PF	Thompson Pass Maintenance Facility Contamination Assess. & Cleanup	60.0
DOT/PF	Juneau Maintenance Station Contamination Assessment & Cleanup	22.0
UAF	UAF-Contaminated Site Assessment and Cleanup	300.0
<b>Other Agency Subtotal:</b>		<b><u>2,774.0</u></b>
<b>Total Appropriated from the Fund for FY 1994:</b>		<b><u><u>50,777.0</u></u></b>

Note 1: The appropriation for spill reserve was established prior to the end of the reappropriation period. As a result, the authorization was based on an estimate.

**Table F**  
**Oil & Substance Release Response Fund**  
**Summary of Community Involvement**  
**Fiscal Year 1993**

	1993 Expenditures
<b>Local Emergency Planning Commission Payments:</b>	
City & Borough of Sitka	75,001.00
Ketchikan Gateway Borough	75,000.00
Kenai Peninsula Borough	80,000.00
Municipality of Anchorage	9,813.00
City of Kodiak	60,000.00
City of Valdez	9,800.00
Aleutians East Borough	50,000.00
City of Haines	62,797.00
City & Borough of Yakutat	45,000.00
Denali Borough	21,500.00
City & Borough of Juneau	75,000.00
City of Thorne Bay	11,250.00
Matanuska Susitna Borough	68,640.00
City of Unalaska	38,250.00
Northwest Arctic Borough	33,250.00
City of Petersburg	57,604.00
City of Haines	7,203.00
Lake & Peninsula Borough	49,000.00
Copper River Emergency Medical	<u>7,052.73</u>
<b>Total:</b>	<u><b>836,160.73</b></u>
 <b>GIS Geographic Information Systems Payments:</b>	
B.C. Ministry	2,501.30
 <b>Operating Related MOU's:</b>	
Chenega Corporation	4,000.00
Prince William Sound Science Center	<u>49,500.00</u>
<b>Total:</b>	<u><b>53,500.00</b></u>

**Table G  
FY93 Contractual Payments Exceeding \$20,000**

Contractor	FY 93 Payments	Purpose
IPA John Deina	62,219.53	N.J. Dept of Env Protection
Ecology & Environment	27,916.00	Cabin Lake Road Abandoned Drums
Martech USA	153,231.25	Dresser Atlas
Martech USA	44,113.84	Aniak Sewer Spill
Martech USA	28,786.46	Kiawock Chlorine Spill
Northwest EnviroService	159,166.92	Forward Pad Site Cleanup
Shannon & Wilson	97,185.11	Coastal Drilling Assess. Phase II
Arctic Marine	90,000.00	Arctic Marine Resources Commission
Arthur D. Little	88,242.87	Hazardous Analysis of Cook Inlet
Environmental Health Science	118,394.69	Anchorage Air Monitoring
Environmental Management	120,367.86	Prudhoe Bay HAZ Analysis
Exxon Contractual Payments:		
Richard Podolsky, PHD	41,495.00	Remote Sensing Marked Murrelet
AIDEA Lease	30,614.48	OSRO Office Lease
Operating Contractual Payments:		
Belmar Management Services	21,128.61	Structural Integrity Crude Oil/Cook Inlet
Direct OHSRRF Contractual Payments:		

**Oil & Hazardous Substance Release Response Fund  
 Summary of Payments Over \$10,000.00  
 Fiscal Year 1993**

Vendor	FY 93 Expenditures	Purpose
<b>Direct OHSRRF</b>		
City of Aniak	10,266.40	Equipment Rental for Hazardous Waste Response
Envtronics	11,450.00	Computerized Multigas Calibrator
Analytical Resources	18,785.00	Laboratory testing for Neka Bay
City of Klawock	13,562.45	Expenditure reimbursement for Klawock Cannery cleanup
Graseby Nutech	25,264.36	Automated Cryogenic Concentrator
Bristol Bay Borough	16,290.52	King Salmon Orphan Drum Site
Mark V. Zodlaz	18,300.00	Boat Repairs/Exxon Valdez
Kenwyn George	16,110.00	Software
<b>Operating</b>		
Office Place	15,000.00	Herman Miller Panels
Microage Computer	13,690.00	Data Processing Equipment
Computerland	23,228.90	12 Compaq Computers
Eagle Enterprises Co.	17,250.00	Gas monitor combustible full enclosure suit w/hood

**Table I**  
**PERSONAL SERVICES EXPENDITURES**  
**FY93 Summary**

Site Investigation, Safety & Cleanup	4,242.87
Contaminated Sites Program	1,225,736.70
Exxon Valdez Clean up & Cost Recover.	150,847.06
Spill Reserve	13,106.28
Administrative Services	637,054.05
SPAR Directors Office	570,496.67
Spill Response Office	10,899.28
Spill Prevention, Planning & Mgmt.	3,858,363.71
	<u>6,470,746.62</u>

Please see the following pages for a detailed listing.

PCN	JOB TITLE	AMOUNT	PCN	JOB TITLE	AMOUNT
18-7417S	Environmental Lab	3,406.88	18-7226	Analyst Programmer	9,161.50
18N615	Graduate Intern II	835.99	18-7258	Analyst Programmer	20,508.20
			18-7331	Personnel Specialist	(218.07)
18-7010	Environmental Conservation Manage:	8,525.03	18-7339	Analyst Programmer	23,042.65
18-7310	Environmental Conservation Manag	42,259.17	18-7404	Personnel Assistant I	14,239.77
18-7400	Environmental Specialist I	29,537.67	18-7406	Administrative Officer	28,110.72
18-7412	Environmental Specialist	850.97	18-7410	Clerk Typist III	282.53
18-7454	Administrative Assistant Iii	2,004.18	18-7410	Clerk Typist III	10,567.07
18-7470	Environmental Specialaist	21,188.91	18-7440	Accounting Clerk III	12,700.01
18-7475	Environmental Engineer Asst. I	77.66	18-7462	Human Resources Manager	25,503.18
18-7485	Environmental Engineer Asst. I	2,890.68	18-7471	Analyst Programmer	19,448.87
18-7498	Environmental Specialist	5,212.91	18-7481	Environmental Specialist	21,109.10
18-7668	Environmental Specialist	539.44	18-7495	Procurement Specialist	17,607.57
			18-7500	Accounting Clerk II	11,687.75
18-7006	Environmental Engineer Assoc.	(106.44)	18-7539	Personnel Assistant I	15,803.05
18-7360	Environmental Specialist	(262.50)	18-7542	Clerk III	7,616.36
18-7524	Environmental Specialist	(98.12)	18-7543	Analyst Programmer	18,400.36
18-7607	Environmental Specialist II	12,593.08	18-7547	Accounting Technician I	14,201.32
18-7625	Clerk Typist III	6,048.85	18-7553	Accounting Technician II	45,841.15
18-N116	Radio Dispatcher	3,740.80	18-7628	Personnel Assistant I	8,973.26
18-N157	Environmental Technician IV	19,698.59	18-7643	Accounting Technician III	19,933.53
18-N222	Environmental Specialist III	43,606.44	18-7646	Accountant III	20,833.32
18-N225	Environmental Specialist	18,764.85	18-7657	Administrative Asst. II	15,653.36
18-N309	Environmental Specialist	27,190.12	18-7659	Publications Specialist	24,425.89
18-N315	Environmental Specialist I	1,391.50	18-N617	Clerk Typist III	4,184.34
18-X012	Restoration Specialist	8,743.34	18-N622	Student Intern I	1,993.36
18-X014	Analyst Programmer	318.61	18-N631	Personnel Assistant I	2,229.37
18N143	Environmental Specialist	(4,002.83)	18-N634	Secretary II	5,328.68
18N208	Environmental Technician	1,687.88	25-0074	Asst. Dir./Financial Manager	31,887.16
18N335	Environmental Specialist	13,622.77			
18X013	Publication Information	(2,289.49)	18-7620	Administrative Officer I	195.00
18-7626	Investigator III	2,446.26	18-7055	Secretary	10.22
18-7465	Environmental Conservation Manag	3,199.37	18-7331	Personnel Specialist	25.83
18-7585	Environmental Specialist	142.72	18-7408	Risk Management Officer	43,179.81
18-7585	Environmental Specialist	141.41	18-7435	Division Director	61,142.71
18-7579	Environmental Specialist	480.48	18-7455	Administrative Assistant I	18,287.00
10-9195	Forester I	1,392.36	18-7455	Administrative Assistant I	17,679.29
18-7572	Environmental Specialist	2,031.77	18-7519	Administrative Assistant II	37,525.41
18-7580	Environmental Specialist	1,638.44	18-7524	Environmental Specialist	55,795.71
18-7606	Clerk Typist III	12.26	18-7545	Environmental Conservation Manag	55,825.73
18-7658	Risk Mgmt. Officer	1,592.03	18-7552	Administrative Officer	64,866.44
18-7470	Environmental Specialaist	29.18	18-7554	Administrative Assistant III	45,152.08
			18-7595	Environmental Specialist	(310.00)
18-7433	Management Analyst	463.32	18-7596	Analyst Programer	19,055.48
18-7035	Division Director	21,343.21	18-7596	Analyst Programmer	26,707.71
18-7035	Division Director	1,856.14	18-7632	Administrative Assistant I	22,411.11
18-7046	Information Officer	864.07	18-7634	Secretary I	18,104.21
18-7052	Publications Specialist	9,953.00	18-N623	Student Intern III	6,801.78
18-7053	Personnel Specialist I	17,167.05	18-N624	Analyst Programmer	23,163.97
18-7054	Accounting Clerk III	12,932.69	18-7347	Internal Auditor I	16,032.09
18-7055	Secretary II	8,755.97	18-7620	Administrative Officer I	39,040.06
18-7062	Procurement Specialist	17,620.77			
18-7086	Accounting Technician II	15,916.72	187525	Environmental Specialist	(11.70)
18-7117	Accounting Technician II	14,617.82	18-7526	Environmental Specialist	2,514.98
18-7149	Analyst Programmer	13,726.89	18-7527	Environmental Specialist	3,311.64
18-7162	Accounting Supervisor II	22,871.37	18-7532	Environmental Specialist	2,781.30
18-7195	Accounting Technician II	13,236.94	18-7533	Environmental Specialist III	2,303.06
18-7221	Mail Clerk Carrier	13,877.74			

PCN	JOB TITLE	AMOUNT	PCN	JOB TITLE	AMOUNT
18-7026	Environmental Specialist	46,985.77	18-7366	Environmental Specialist	875.60
18-7043	Clerk Typist III	2,818.74	18-7368	Clerk Typist III	4,300.07
18-7051	Environmental Conservation Manager	0.60	18-7389	Environmental Engineer Asst. I	590.76
18-7080	Environmental Conservation Manag	21,332.15	18-7396	Environmental Specialist	2,663.51
18-7138	Environmental Engineer Assoc.	2,989.78	18-7415	Environmental Specialist	542.76
18-7139	Environmental Conservation Manag	14,682.08	18-7439	Clerk Typist III	2,703.94
18-7147	Environmental Specialist	1,265.36	18-7444	Hydrologist II	2,258.64
18-7203	Field Office Asst.	6,706.65	18-7457	Information Officer	1,617.55
18-7232	Field Office Asst.	7,063.76	18-7459	Environmental Specialist	2,009.87
18-7286	Clerk Typist III	5,221.45	18-7461	Environmental Engineer Asst.	4,491.30
18-7292	Environmental Specialist	2,322.44	18-7472	Environmental Specialist	59,581.73
18-7317	Environmental Conservation Manag	13,429.71	18-7476	Environmental Engineer Assoc.	1,395.84
18-7321	Environmental Specialist	9,329.66	18-7487	Supply Technician	23,101.30
18-7427	Environmental Specialist	56,197.72	18-7489	Environmental Engineer	13,702.68
18-7465	Environmental Conservation Manag	16,327.41	18-7491	Environmental Specialist	17,903.12
18-7473	Environmental Technician	6,564.09	18-7491	Environmental Specialist	19,345.08
18-7479	Environmental Conservation Manag	3,361.16	18-7492	Environmental Specialist	17,765.62
18-7486	Environmental Specialist	10,834.32	18-7493	Environmental Specialist	1,183.31
18-7527	Environmental Specialist	80,042.31	18-7533	Environmental Specialist III	37,465.14
18-7578	Environmental Specialist	26,610.79	18-7541	Environmental Specialist	65.94
18-7579	Environmental Specialist	52,896.94	18-7541	Environmental Specialist	95.50
18-7582	Environmental Specialist	57,200.23	18-7546	Administrative Assistant I	1,838.27
18-7624	Investigator III	750.95	18-7551	Administrative Assistant II	11,078.53
18-7626	Investigator III	2,328.25	18-7569	Environmental Specialist I	53,065.63
18-7652	Administrative Assistant II	11,571.70	18-7571	Environmental Specialist	56,422.21
18-7005	Environmental Conservation Manag	27,198.34	18-7572	Environmental Specialist	49,724.70
18-7064	Administrative Asst. III	13,559.07	18-7574	Environmental Specialist	61,117.09
18-7075	Environmental Specialist	57.23	18-7575	Environmental Specialist	59,518.21
18-7081	Environmental Specialist	60,513.38	18-7580	Environmental Specialist	41,254.82
18-7108	Environmental Specialist	21,116.22	18-7582	Environmental Specialist	1,576.88
18-7133	Environmental Conservation Manag	19,299.53	18-7583	Environmental Specialist	53,319.68
18-7137	Environmental Conservation Manag	15,348.63	18-7585	Environmental Specialist	49,673.63
18-7140	Environmental Conservation Manag	22,013.22	18-7606	Clerk Typist III	19,042.50
18-7142	Environmental Specialist III	7,418.11	18-7606	Clerk Typist III	7,018.39
18-7155	Planner III	25,636.09	18-7607	Environmental Specialist II	58,806.85
18-7156	Environmental Specialist	408.74	18-7609	Environmental Specialist	74,350.45
18-7157	Environmental Engineer Assoc.	15,379.89	18-7614	Environmental Specialist	6,210.47
18-7158	Environmental Specialist	321.10	18-7626	Investigator III	53,465.04
18-7178	Clerk Typist III	15,575.81	18-7662	Environmental Engineer Assoc.	106.44
18-7180	Field Office Assistant	8,600.43	18-N580	Student Intern III	9,706.96
18-7181	Clerk Typist II	1,135.13	18N549	College Intern III	94.24
18-7183	Document Processor	113.59	18-7010	Environmental Conservation Manager	(537.68)
18-7186	Clerk Typist II	13,807.36	18-7063	Clerk Typist III	7,672.15
18-7186	Clerk Typist II	7,379.41	18-7113	Environmental Conservation Manager	17,706.98
18-7186	Clerk Typist II	4,101.54	18-7134	Clerk Typist III	2,798.20
18-7201	Clerk Typist III	5,469.75	18-7134	Clerk Typist III	496.36
18-7219	Environmental Health Officer	61.76	18-7208	Administrative Assistant III	10,273.62
18-7250	Clerk Typist III	594.52	18-7227	Clerk Typist III	3,017.47
18-7252	Accounting Clerk III	11,460.53	18-7264	Environmental Specialist	63,393.93
18-7324	Environmental Engineer I	8,080.59	18-7271	Environmental Engineer I	469.70
18-7327	Environmental Engineer Assistant I	763.80	18-7279	Clerk Typist II	3,112.53
18-7329	Environmental Engineer Asst. I	318.28	18-7310	Environmental Conservation Manag	6,834.80
18-7331	Personnel Specialist	138.99	18-7318	Clerk Typist III	1,215.22
18-7352	Environmental Engineer I	7,350.05	18-7319	Clerk Typist III	3,916.86
18-7354	Environmental Engineer Assoc.	1,945.58	18-7330	Environmental Engineer Assoc.	10,824.03
18-7355	Clerk Typist III	3,140.34	18-7331	Personnel Specialist	99.33
18-7356	Environmental Specialist I	1,316.51	18-7358	Clerk Typist III	3,466.90
			18-7400	Environmental Specialist I	20,947.34

PCN	JOB TITLE	AMOUNT	PCN	JOB TITLE	AMOUNT
18-7431	Environmental Specialist III	469.66	18-7581	Environmental Specialist III	51,781.10
18-7454	Administrative Assistant III	4,767.51	18-7588	Environmental Specialist III	60,542.86
18-7470	Environmental Specilaist	26,344.26	18-7591	Environmental Conservation Manc	72,217.65
18-7485	Environmental Engineer Asst. I	1,260.05	18-7595	Environmental Specialist	(589.50)
18-7497	Environmental Engineer Asst I	17,555.85	18-7597	Environmental Specialist	68,708.75
18-7498	Environmental Specialist	2,006.57	18N632	Clerk Typist III	2,949.44
18-7528	Environmental Specialist	455.22			
18-7532	Environmental Specialist	60,148.68	18-7075	Environmental Specialist	7,973.08
18-7566	Environmental Specialist	69,550.88	18-7395	Environmental Conservation Manager	39,608.47
18-7568	Environmental Specialist	62,895.69	18-7396	Environmental Specialist	41,158.16
18-7573	Environmental Specialist	49,776.10	18-7517	Environmental Specialist	39,936.47
18-7599	Environmental Engineer Assoc.	62,659.42	18-7521	Environmental Specialist	29,144.11
18-7605	Clerk Typist III	32,467.63	18-7565	Environmental Specialist	2,214.57
18-7624	Investigator III	14,188.84	18-7601	Environmental Specialist	12,410.94
			18-7604	Clerk Typist III	1,489.58
187293	Environmental Specialist	286.03	18-7604	Clerk Typist III	595.19
18-7121	Environmental Engineer	12,583.42	18-7604	Clerk Typist III	243.83
18-7125	Environmental Engineer I	2,863.64	18-N630	Environmental Specialist I	16,995.05
18-7159	Clerk Typist II	7,357.07	18N632	Clerk Typist III	1,973.36
18-7178	Clerk Typist III	1,600.97			
18-7183	Document Processor	339.58	18-7075	Environmental Specialist	49,475.49
18-7331	Personnel Specialist	180.80	18-7161	Environmental Specialist	75,538.87
18-7375	Environmental Specialist	10,451.66	18-7331	Personnel Specialist	99.33
18-7425	Hydrologist III	1,145.88	18-7395	Environmental Conservation Manager	13,966.62
18-7434	Clerk Typist III	8,790.46	18-7517	Environmental Specialist	4,286.81
18-7438	Environmental Engineer Asst.	2,101.90	18-7520	Clerk Typist III	35,363.28
18-7467	Administrative Assistant III	18,025.86	18-7565	Environmental Specialist	60,665.66
18-7482	Environmental Technician	17,295.02	18-7593	Environmental Specialist	2,584.20
18-7526	Environmental Specialist	64,701.12	18-7595	Environmental Specialist	2,903.71
18-7531	Environmental Conservation Manc	42,251.22	18-7601	Environmental Specialist	47,326.87
18-7540	Environmental Conservation Manager	58,630.95	18-7604	Clerk Typist III	259.47
18-7551	Administrative Assistant II	17,791.92	18-7658	Risk Mgmt. Officer	53,001.41
18-7570	Environmental Specialist	60,422.03			
18-7576	Environmental Specialist	3,768.53	18-7051	Environmental Conservation Manager	59.49
18-7577	Environmental Specialist	59,037.91	18-7138	Environmental Engineer Assoc.	213.10
18-7587	Environmental Specialist	57,612.01	18-7139	Environmental Conservation Manc	10,537.60
18-7595	Environmental Specialist	1,126.05	18-7203	Field Office Asst.	2,789.89
18-7598	Environmental Specialist III	49,306.74	18-7232	Field Office Asst.	296.84
18-7602	Environmental Specialist	49,590.38	18-7286	Clerk Typist III	2,048.97
18-7625	Clerk Typist III	2,581.80	18-7317	Environmental Conservation Manc	1,312.64
18-7655	Environmental Conservation Manc	696.01	18-7465	Environmental Conservation Manc	2,508.23
18N562	Student Intern III	645.42	18-7473	Environmental Technician	2,871.98
			18-7477	Environmental Specialist	45,942.73
18-7517	Environmental Specialist	9,888.46	18-7486	Environmental Specialist	1,922.24
18-7593	Environmental Specialist	49,326.36	18-7579	Environmental Specialist	1,490.11
18-7595	Environmental Specialist	13,791.93	18-7652	Administrative Assistant II	3,140.29
18-7595	Environmental Specialist	10,842.22			
18-7604	Clerk Typist III	21,271.19	18-7005	Environmental Conservation Manc	12,186.59
18-7604	Clerk Typist III	1,609.16	18-7064	Administrative Asst. III	9,802.35
18-7604	Clerk Typist III	669.57	18-7108	Environmental Specialist	556.16
18N632	Clerk Typist III	1,749.99	18-7133	Environmental Conservation Manc	3,333.91
			18-7137	Environmental Conservation Manc	7,418.30
18-7395	Environmental Conservation Manager	2,878.26	18-7140	Environmental Conservation Manc	6,245.52
18-7396	Environmental Specialist	21,687.40	18-7155	Planner III	3,270.64
			18-7157	Environmental Engineer Assoc.	2,201.59
18-7272	Project Coordinator	64,364.37	18-7178	Clerk Typist III	202.23
18-7331	Personnel Specialist	99.33	18-7180	Field Office Assistant	3,278.39
18-7442	Environmental Specialist	60,481.72	18-7181	Clerk Typist II	1,252.67
18-7514	Clerk Typist III	33,930.65	18-7183	Document Processor	1,830.51

PCN	JOB TITLE	AMOUNT	PCN	JOB TITLE	AMOUNT
18-7186	Clerk Typist II	1,327.92	18-7318	Clerk Typist III	506.00
18-7186	Clerk Typist II	3,803.28	18-7330	Environmental Engineer Assoc.	10,789.31
18-7201	Clerk Typist III	3,560.92	18-7331	Personnel Specialist	99.33
18-7250	Clerk Typist III	7,826.30	18-7400	Environmental Specialist I	4,310.30
18-7252	Accounting Clerk III	9,582.02	18-7430	Environmental Engineer I	1,756.15
18-7331	Personnel Specialist	195.85	18-7431	Environmental Specialist III	2,300.51
18-7352	Environmental Engineer I	3,917.57	18-7452	Environmental Engineer Assoc.	22,540.26
18-7354	Environmental Engineer Assoc.	13,499.43	18-7454	Administrative Assistant III	678.09
18-7355	Clerk Typist III	2,412.26	18-7470	Environmental Specialist	2,587.61
18-7368	Clerk Typist III	2,447.81	18-7475	Environmental Engineer Asst. I	21,204.65
18-7379	Environmental Engineer I	9,534.55	18-7485	Environmental Engineer Asst. I	1,231.25
18-7424	Environmental Specialist	36,163.48	18-7497	Environmental Engineer Asst I	646.37
18-7439	Clerk Typist III	22,858.99	18-7498	Environmental Specialist	3,241.68
18-7444	Hydrologist II	26,944.38	18-7560	Environmental Specialist II	49,308.77
18-7459	Environmental Specialist	6,906.70	18-7624	Investigator III	7,218.12
18-7460	Environmental Engineer Asst I	7,144.19	18-7668	Environmental Specialist	161.82
18-7461	Environmental Engineer Asst.	5,276.50			
18-7476	Environmental Engineer Assoc.	63,689.46	18-7108	Environmental Specialist	103.34
18-7487	Supply Technician	3,558.09	18-7121	Environmental Engineer	10,207.32
18-7489	Environmental Engineer	399.05	18-7159	Clerk Typist II	857.44
18-7491	Environmental Specialist	1,147.09	18-7265	Environmental Specialist	62,459.86
18-7492	Environmental Specialist	1,230.83	18-7375	Environmental Specialist	950.07
18-7493	Environmental Specialist	455.12	18-7425	Hydrologist III	9,858.41
18-7533	Environmental Specialist III	5,135.71	18-7434	Clerk Typist III	3,974.78
18-7541	Administrative Assistant I	182.89	18-7467	Administrative Assistant III	3,207.48
18-7541	Environmental Specialist	492.50	18-7526	Environmental Specialist	77.39
18-7550	Environmental Specialist	1,524.51	18-7531	Environmental Conservation Manag	372.88
18-7551	Administrative Assistant II	1,221.77	18-7540	Environmental Conservation Manager	16,942.28
18-7561	Environmental Specialist	44,046.41	18-7551	Administrative Assistant II	733.61
18-7562	Environmental Specialist	1,233.28	18-7576	Environmental Specialist	2,884.06
18-7626	Investigator III	8,154.23	18-7577	Environmental Specialist	87.42
18-7662	Environmental Engineer Assoc.	33,204.76	18-7625	Clerk Typist III	298.95
18-N453	Student Intern II	1,777.32			
18-N580	Student Intern III	833.12	18-7331	Personnel Specialist	99.33
18N549	College Intern III	1,821.00	18-7383	Environmental Specialist	25,365.81
			18-7432	Clerk Typist III	16,386.44
18-7140	Environmental Conservation Manag	312.30	18-7515	Environmental Conservation Manag	33,614.03
18-7180	Field Office Assistant	6,620.35	18-7559	Environmental Specialist	52,227.58
18-7186	Clerk Typist II	2,121.76	18-7564	Accounting Clerk I	18,526.70
18-7379	Environmental Engineer I	23,938.36	18N615	Graduate Intern II	2,792.36
18-7459	Environmental Specialist	28,518.15	18-7393	Clerk Typist III	32,147.53
18-7460	Environmental Engineer Asst I	36,195.28			
18-7461	Environmental Engineer Asst.	49,373.23			
18-7533	Environmental Specialist III	17,168.25			
18-7580	Environmental Specialist	88.97			
18-7585	Environmental Specialist	387.88			
18-N453	Student Intern II	9,474.85			
18-7010	Environmental Conservation Manager	(1,688.00)			
18-7113	Environmental Conservation Manager	9,777.83			
18-7134	Clerk Typist III	1,477.03			
18-7134	Clerk Typist III	396.64			
18-7191	Environmental Specialist	23,848.06			
18-7208	Administrative Assistant III	4,616.99			
18-7227	Clerk Typist III	1,838.47			
18-7271	Environmental Engineer I	302.62			
18-7298	Environmental Specialist	4,526.01			
18-7310	Environmental Conservation Manag	9,761.44			
18-7318	Clerk Typist III	106.06			

## Section VI. Other Agency Expenditures

The Legislature appropriates Response Funds to other State Agencies for work on contingency plan reviews, participation in the State Emergency Response Commission, state and regional planning just to name a few programs. DEC is a pass through agency for these other agency appropriations. Following are descriptions of these allocations.

### Department of Fish and Game

The Alaska Department of Fish and Game (F&G) received Response Fund support to perform three projects, as follows:

#### 1. State Emergency Response Commission:

F&G participated in all but one quarterly meeting of the SERC. RSA support provided travel reimbursement for participation on the SERC. Actual expense totaled \$944.50. No personal services were reimbursed.

#### 2. Industry Contingency Planning:

F&G implemented internal contingency plan review procedures, reviewed and submitted comments on most oil spill contingency plans referred to the agency by DEC, provided technical assistance to plan holders regarding fish and wildlife protection as specified under the RSA, and made recommendations to DEC regarding implementation of contingency plan improvements. As specified under the RSA, F&G staff attended and participated in six response exercises to test detailed provisions of industry contingency plans. F&G staff conducted site inspections at five facilities.

F&G participated in several major planning forums: the Prince William Sound Steering Committee, Cook Inlet Spill Prevention and Response committees, and the Prince William Sound and Cook Inlet Regional Citizens' Advisory Councils.

Personal Services were paid as follows:

Habitat Biologist	PCN 11-6102	\$50,840.00
Habitat Biologist	PCN 11-6064	29,588.00
Habitat Biologist	PCN 11-B260	21,978.00
Habitat Biologist	PCN 11-6081	9,388.00
Habitat Biologist	PCN 11-6088	902.00
Habitat Biologist	PCN 11-6009	489.00
Reg. Supervisor	PCN 11-6010	<u>77.00</u>
Total		\$113,262.00

Total reimbursement for actual expense related to this project was \$125,947.00.

3. State and Regional Contingency Planning:

F&G authored most of the environmental section of the Southeast Area Contingency Plan and began work on the Prince William Sound and Aleutians plans. F&G represented the State's fish and wildlife trustee interests on the federal Alaska Regional Response Team (ARRT) working groups related to wildlife protection and response technology. F&G submitted comments on the proposed test of PES-51 on oiled areas of Prince William Sound and on the proposed pre-approval of dispersant use in the Gulf of Alaska. F&G worked with the Department of Interior to update the ARRT Wildlife Protection Guidelines.

Personal Services were paid as follows:

Habitat Biologist	PCN 11-6008	\$14,725.00
Habitat Biologist	PCN 11-6081	16,076.00
Habitat Biologist	PCN 11-6064	10,312.00
Habitat Biologist	PCN 11-6118	6,723.00
Habitat Biologist	PCN 11-6051	4,398.00
Habitat Biologist	PCN 11-6119	2,765.00
Habitat Biologist	PCN 11-6133	<u>1,106.00</u>
Total		\$ 56,105.00

Total reimbursement for actual expense related to this project was \$59,236.50.

Department of Natural Resources

The Alaska Department of Natural Resources (DNR) received Response Fund support to perform tasks under two projects, as follows:

1. State Emergency Response Commission:

DNR participated in all quarterly meetings of the SERC and its committees. DNR presented a report to the commission on hazards caused by spruce bark beetle infestation. DNR staff contributed effort to the Southeast Regional Plan. RSA support provided travel reimbursement for participation on the SERC and oil spill conference attendance. Actual expense totaled \$3,566.52. No personal services were reimbursed.

## 2. Industry Contingency Planning:

DNR developed standard procedures for review of industry contingency plans, focusing on oil industry exploration and development projects and on protection or cleanup of historic, archeological or cultural sites. Plan reviews involved, at a minimum, staff from three divisions within DNR. The individual division's responses were then combined into one set and forwarded to DEC. Although not specified under the RSA, DNR staff attended and participated in four response exercises and meetings of several major planning groups, including the Regional Citizens' Advisory Councils for Cook Inlet and Prince William Sound, and several private cleanup organizations.

Personal Services were paid as follows:

Deputy Hist. Pres. Officer	PCN 10-5234	\$4,791.73
Archaeologist	PCN 10-5242	828.71
Clerk	PCN 10-N214	<u>1,466.94</u>
Total		\$7,087.38

Total reimbursement for actual expenses related to this project was \$7,193.23.

### Department of Military and Veterans Affairs

During FY93 \$600,000 was provided to the DMVA, Division of Emergency Services (DES). DES utilized the funds to support the incident command center emergency preparation and planning support to state, federal and local government.

DES received the funds and operated under a general workplan. They participated on the State Emergency Response Commission; attended Alaska Regional Response Team and Regional Citizen's Advisory Councils; and assisted local governments with the development of Emergency Operations Plans. While DES may have maintained the "incident command center", FY93 accomplishments did not directly support the Department of Environmental Conservation in any spill response activities.

PCNs partly or wholly supported by this RSA:

09-0050  
0056  
0054  
0220  
0218  
0219  
0124

0059  
0185  
0061  
0130  
0233  
0112  
0237  
0136  
0217  
0232

It did not appear from the quarterly reports received by SPAR that there were any purchases of equipment greater than \$10.0 or contracts greater than \$20.0.

#### Department of Law

A total allocation of \$550,000 was made available to the Department of Law (DOL) in FY93 for a variety of response fund related legal matters. Actual expenditures of \$498,906 were made for more than 140 response fund related matters. Legal support services include expert and consultant services required for cost recovery efforts for contaminated site and spill cleanups, litigation efforts, and policy assistance relating to the state's oil and hazardous pollution control statutes. Five and a half positions within the DOL are involved in response fund work. These are attorney PCNs 030090, 030235, 030259, 030263 and legal secretary PCNs 030268, and 030269.

In addition, during FY93, the DOL received \$1,968,000 for Exxon Valdez Litigation support. This funding provided for the services of outside legal council necessary for the state to pursue its civil claims against Exxon and Alyeska. No monies were expended for personal services or for purchases over \$10,000.

#### Contracts over \$20,000

Preston Thorgrimson	Litigation	\$1,968,000
---------------------	------------	-------------

#### State Emergency Response Commission

DEC had Reimbursable Services Agreements (RSAs) with member agencies of the SERC. Those member agencies include the Departments of Community and Regional Affairs, Labor, Health and Social Services, Fish and Game and Natural Resources.

The funding provided is used for travel and per diem costs associated with attending quarterly SERC meetings. Additional funding was provided to agencies to offset the costs of their participation on the SERC's five committees. Agency representatives represent agency views and contribute agency expertise in developing policy

recommendations to the SERC.

There were neither equipment purchases over \$10,000 made nor contractual payments over \$20,000 made by the SERC. Additionally, no personal services were charged to the RSAs, only travel and per diem expenditures.

Hazardous Substance Spill Technology Review Council (HSSTRC)

During FY 93, the Council held four quarterly meetings and two conference calls. The Council selected three priority research topics; remote sensing, nearshore "vessel-of-opportunity" response systems and soil remediation. Workshops were held on remote sensing and nearshore "vessel-of-opportunity" response systems prior to the Council's quarterly meetings. The Council funded three research projects relating to oil spill response. The results anticipated from the projects are intended to benefit the State of Alaska, Alaska Regional Response Team and Response Cooperatives.

FY 93 HSSTRC BUDGET Total= \$420,000.00

DEC Staff Support= \$100,000.00

Council Non-Operating Budget= 320,000.00

- o National Institute of Standards and Technology (NIST)= \$75,000.00  
(Smoke Plume Characterization and Analysis from In-Situ Burning of Alaskan Crude Oils)
- o Tesoro Alaska Petroleum Company= \$ 100,000.00  
( PES-51 Demonstration of Subsurface Shoreline Cleanup of Weathered Exxon Valdez Oil)
- o University of Washington= \$ 50,000.00  
( Aerial Data Collecting and Smoke Plume Analysis from the Newfoundland In-Situ Burning of an oil spill)

## Section VII. Information on Threats to Public Health

Appendices A and B contain site summaries of spills and contaminated sites for which Response Fund dollars have been expended in an effort to contain, cleanup or take corrective action to mitigate or eliminate threats to public health or the environment. The primary tool used by the Contaminated Sites program to prioritize the case load of sites is the Alaska Hazard Ranking Model. The ranking model works in concert with the Contaminated Sites database to evaluate the relative exposure risk posed by a site from the air, water and soil pathways. Although the ranking model is considered to be our primary tool for prioritization of site work, there are also other valid criteria that are appropriately factored in on a case-by-case basis. Criteria that may elevate a site in importance in addition to the ranking model score may include unusual contaminants that are not otherwise addressed by the model or valid socioeconomic factors, such as potential interruption of public works projects. The spill sites also have information available that address the public health threats.

This information is available by contacting the Department.

## Appendix A

### SPILL RESPONSE SUMMARIES

This appendix includes detailed explanations of hazardous substance releases, including oil spills, on which \$1,000 or more was spent from the Response Fund during FY93 for response control, containment, safety, cleanup, and cost recovery. Some of these expenditures are made from the Spill Reserve. When only operating, or personnel services, resources are expended, those are funded out of the Department's operating budget.

The DEC State On Scene Coordinator (generally, the Regional Administrator) is responsible for ensuring appropriate actions are taken to control, contain, and cleanup hazardous substance releases, and recover Response Fund expenditures.

Title: Kake Tribal Logging  
Location: Kake  
Site ID: 93-1-2-1-097-1  
DEC Region: Southeast  
Ledger Code: 49444  
Project Manager: Ron Flinn, Southeast Region, Juneau, 465-5357

Situation: An oil spill in December 1992 was reported to the Sitka District Office in April, 1993 at Kake Tribal Logging (KTL). Upon investigation numerous other violations were discovered.

FY93 Actions: The Attorney General's Office was notified and a DEC investigator was assigned to assist the investigation. A Notice of Violation (NOV) and Compliance Order by Consent was issued to KTL; the site is currently being remediated in accordance with these orders. Cost recovery is currently being pursued by the Department of Law.

FY93 Expenditures: \$ 9,906.97

Title: Klawock Cannery Chlorine Release  
Location: Klawock, Prince of Wales Island, SE Alaska  
Site ID: 93-1-3-9-295-01  
DEC Region: Southeast  
Ledger Code: 49250

Project Managers: Dick Stokes, Regional Administrator, Southeast Region, 465-5355  
Barry Hogarty, Ketchikan District Office, 225-6200

Situation: On October 21, 1993, employees of the Klawock IRA Council, working in or around the Klawock Cannery, noticed a strong smell of chlorine and notified the Ketchikan District Office (KDO) of DEC. The problem was initially identified as seven old, leaking, chlorine cylinders that were stored in an area of the cannery along with two drums of unknown solvents and two unlabeled 55 gallon drums, old batteries and battery acids. KDO coordinated a response with the Klawock Heenya Corporation, the Klawock Fire and Police Departments, and the US Coast Guard. Klawock officials did not feel they had sufficiently trained personnel to effect a response inside the cannery.

FY93 Actions: DEC was asked to effect a response and correct the problem. A level "A" response was required due to the fact that "unknowns" were involved in this situation. SERO mobilized one of the departments response contractors (MARTECH) to assist in conducting the response. In addition, the Coast Guard, acting as the EPA representative, activated part of their Pacific Strike Team to assist in the response efforts. All response elements mobilized and personnel and equipment moved to Klawock.

Klawock weather conditions were identified as winds at 7 to 8 mph, gusts to 20 mph, and expected to remain at that level for the next few days. A safety zone of 3 miles downwind, and 900 feet up wind was established around the cannery. People within that safety zone were evacuated by the Klawock Police and Fire Departments, to a safe location.

A total of twelve level "A" entries were made into the cannery during this 3 1/2 day response, in order to initially assess the situation, identify the potential hazards, and correct the problem. In addition to the materials identified above, two 300 pound anhydrous ammonia, 25-30 55 gallon drums of unidentified materials, old transfers, a 30 pound drum of granular chlorine (HTH) with its contents spilling onto the floor, substantial quantities of grease, paints, solvents, caustics, and miscellaneous other chemicals were found to be stacked around the seven chlorine cylinders.

Initial entries were made to verify the potential hazards in the cannery. Once the hazards

were identified, additional entries were made to locate the suspected cylinders, isolate the leaking cylinders, stabilize those cylinders, move in caustic soda and set up a neutralization station to neutralize the chlorine in the seven cylinders, and start the neutralization process. Level "A" entries were continued until all of the chlorine cylinders had been emptied into and fully neutralized by the caustic solution, and the entire cannery was surveyed with monitoring equipment and found to have no additional chlorine vapors present.

Once the immediate threat was eliminated, the state's response contractor conducted a complete inventory of all the known and unknown chemicals remaining in the cannery. At the same time the responders fully briefed the cannery operators and the Klawock Fire Department on what had been accomplished as well as what tasks remained. The owners of the cannery ensured the removal and proper disposal of all of the materials.

A settlement for \$35,036.26 in cost recovery was reached with the responsible party.

FY93 Expenditures: \$ 51,981.87

Title: Klawock Cannery Ammonia Release

Location: Klawock, Prince of Wales Island

Site ID: 93-1-3-9-126-1

DEC Region: Southeast

Ledger Code: 49188

Project Managers: Dick Stokes, Regional Administrator, Southeast Region, 465-5355  
Barry Hogarty, Ketchikan District Office, 225-6200

Situation: The Klawock Cannery, which has been closed for some time and was recently purchased by a new company, was undergoing a major cleanup and renovation. Part of the renovation process was the removal of faulty or un-necessary equipment and piping within the cannery. On the morning of May 6, two workers were working on or around part of the cannery's old freezer system when a pipe, under pressure, broke and discharged an unknown amount of ammonia, onto them and in their immediate area.

The discharging ammonia caused the evacuation of everyone in or around the cannery, as well as the nearby boat harbor and residential area. Reports to the Ketchikan District Office (KDO) and at the Southeast Regional Office (SERO) of DEC, stated that at least two people were hospitalized as a result of coming into contact with the Ammonia. The Klawock Fire Department responded to the incident and requested assistance from DEC in assessing the situation and correcting the problem.

FY93 Actions: Two DEC personnel, one from KDO and one from SERO, were sent to Klawock to assist. Staff worked with the Klawock Cannery manager and the Klawock Fire Dept. to test surrounding areas for potential hazard levels, establish safety zones, assisted in determining an appropriate survey of the cannery itself and establish response teams to conduct inside surveys. Staff analyzed the results from surveys conducted inside the cannery and, once the initial emergency was over, assisted the responsible party (RP) in identifying what safeguards should be taken to insure that similar problems would not occur again.

FY93 Expenditures: \$ 1,746.19

Title: Donna's Sunchaser

Location: Ketchikan

Site ID: 92-1-3-1-224-1

DEC Region: Southeast

Ledger Code: 49274

Project Manager: Barry Hogarty, Ketchikan District Office, 225-6200

Situation: On August 11, 1992 the Ketchikan District Office (KDO) was notified by the Ketchikan Fire Department of a spill with very strong diesel odors affecting a business in downtown Ketchikan. Personnel from KDO responded to the site, located the spill, and followed the flow of the product back to its source, a delivery fuel line connection between the fuel tank and the furnace in the home. The property owner was later identified.

KDO attempted to contact the property owners, but were unable to do so. It was reported that the owner had been living out of state for some time. The occupants of the property identified another individual as the property manager. KDO contacted that individual, who agreed to have the leaking connection fixed, but declined to take any responsibility for the spill.

A Type A Emergency was declared by the Southeast Regional Office (SERO), requesting up to \$ 10,000.00 to collect and cleanup the spilled oil.

FY93 Actions: With the approval of the Type A Emergency, personnel from KDO hired a local contractor to dig interceptor trenches and place absorbent materials along the length of the spill in order to contain and collect the diesel fuel. Saturated soils were collected and removed to an approved local disposal site.

KDO was finally able to make contact with the property owner. Once the situation was explained to the responsible party, along with his responsibilities by state law as the property owner, he opted to take over the spill cleanup. All costs for the contractor and equipment were fully paid for through the end of the spill cleanup by the responsible party.

The State has recovered \$2,000.00 of the costs incurred by DEC in state response efforts.

FY93 Expenditures: \$ 3,906.20

Title: Thane Road Bunker

Location: Juneau

Site ID: 90-1-1-1-116-1

DEC Region: Southeast

Ledger Code: 49297

Project Manager: Al Kegler, Juneau District Office, Juneau, 465-5348

Situation: A privately owned bulk fuel storage tank on Thane Road was discharging bunker C fuel.

FY93 Actions: Emergency repairs were made to the tank to abate the release. Additional work is scheduled for the site. The Department has USCG approved access to the federal fund under the Oil Pollution Act (OPA) of 1990 to remove the threat which the tank poses to the environment and public health.

The Department is seeking reimbursements for costs through the National Pollution Fund Center under OPA. Cost recovery is not likely from the responsible party as they are in bankruptcy.

FY93 Expenditures: \$ 6,210.06

Title: Little Rabbit Creek

Location: Anchorage

Site ID: 93-2-1-9-138-1

DEC Region: Southcentral

Ledger Code: 49779

Project Manager: John Bauer, Anchorage District Office, Anchorage, 349-7755

Situation: Two drums were abandoned along the Old Seward Highway in Anchorage. The drums were located down a steep embankment approximately 40 feet from Little Rabbit Creek. The drums were adjacent to the Anchorage Coastal Wildlife Refuge (Potter Marsh) which is prime waterfowl habitat and an anadromous stream. Little Rabbit Creek drains into the marsh. One drum was full and was suspected to contain waste oil and possibly solvents and/or gasoline. The second drum spilled what appeared to be waste oil as it tumbled down the embankment and contaminated leaves and soil.

FY93 Actions: DEC inspected the site and photographed the abandoned drums and contaminated soil. The situation appeared to be the result of a willful dumping of the drums. A DEC criminal investigator inspected the site. A spill response contractor removed the drums and contaminated soil and disposed of the materials.

The responsible party has not been identified. The case is in inactive status. DEC will not be pursuing cost recovery since the responsible party has not been identified.

FY93 Expenditures: \$ 766.43 An encumbrance of \$ 2,133.00 was made in FY93.

Title: Aniak Lift Station

Location: Aniak

Site ID: 92-2-5-9-176-1

Ledger Code 49277

Project Manager: Bruce Erickson, Western District Office, Anchorage, 349-7755

Situation: Persons unknown spilled hazardous chemicals containing Methylene Diisocyanates and aviation gasoline into the sanitary sewer in Aniak Alaska. This created an extremely hazardous and possible life threatening situation due to a potential explosion and toxic gas hazard to the community. DEC staff immediately responded and secured the site and hired a contractor who cleaned up the lift station and sewer.

FY93 Actions: Investigation is continuing. Enforcement options will be considered.

FY93 Expenditures: \$ 61,809.97

Title: Seward Soils Site  
Location: Seward  
Site ID: 92-2-3-1-287-1, 92-2-3-1-294-2  
DEC Region: Southcentral  
Ledger Code: 49253

Project Manager: A. Mark Sienkiewicz, Kenai District Office, 262-5210

Situation: In September of 1992, soil contaminated with petroleum products was allegedly transported intentionally from a spill remedial action site to a unoccupied property in the City of Seward. The case is currently under investigation by the District Attorney's Office.

FY93 Actions: DEC collected soil samples and submitted them to a laboratory for analysis. The contaminated soils at the site was removed in accordance with an DEC approved workplan and remediated via a cold asphalt emulsion process. The investigation by the DA's office is reportedly continuing and information is attorney/client privileged.

FY93 Expenditures: \$ 2,217.19

Title: Neelon Street Site

Location: Kasilof

Site ID: 91-2-3-9-112-1

DEC Region: Southcentral

Ledger Code: 49256

Project Manager: A. Mark Sienkiewicz, Kenai District Office, 262-5210

Situation: A citizen complaint was filed at the DEC Kenai District Office alleging the presence of a hazardous waste dump on a property in Kasilof, Alaska. DEC field staff conducted a site inspection in 1991 and observed several hundred drums of petroleum materials stored in a field. The drums were causing a discharge of unknown oil substances to the land. DEC attempted several times to contact the property owner and was successful in March of 1992. No actions were taken by the property owner to clean up the discharges.

FY93 Actions: In late 1992, in association with an investigation conducted by the District Attorney's Office and the Alaska State Troopers, the DEC contracted with Ecology and Environment, Inc. to collect samples of wastes from the drums. The samples were analyzed and the results identified the materials as oils and oil sludges from unknown origin, possibly crude oil storage tank cleanings.

In early 1993, the District Attorney's Office filed felony and misdemeanor charges against the property owner for violations of State oil pollution statutes and regulations. A motion to suppress the evidence was filed by the defense and the presiding judge denied the motion. However, on appeal the judge overturned his decision and ruled the evidence inadmissible. Criminal charges against the property owner were dismissed by the DA's Office.

The case has been referred to the Attorney General's Office and additional information is attorney/client privileged at this time.

FY93 Expenditures: \$ 14,291.49

Title: Cabin Lake Road Site

Location: Nikiski

Site ID: 92-2-3-9-175-3

DEC Region: Southcentral

Ledger Code: 49275

Project Manager: A. Mark Sienkiewicz, Kenai District Office, 262-5210

Situation: On June 23, 1992, the DEC Kenai District Office received a report of abandoned oil drums located near Cabin Lake Road, Nikiski. Upon investigation, it was determined that approximately 40 drums had been illegally dumped on private property. A few days later, the Division of Forestry reported a second abandoned drum site in close proximity to the first, off of the Nikiski Escape Road.

FY93 Actions: In late 1992, in association with an investigation conducted by the District Attorney's Office and the Alaska State Troopers, the DEC contracted with Ecology and Environment, Inc to collect samples of wastes from the drums. The samples were analyzed and results identified the materials as oils and oil sludges from unknown origin, possibly crude oil storage tank cleanings.

In early 1993, the District Attorney's Office filed felony and misdemeanor charges against a Kaslof man for violations of State oil pollution statutes and regulations. A motion to suppress the evidence was filed by the defense and the presiding judge denied the motion. However, on appeal the judge overturned his decision and ruled the evidence inadmissible. Criminal charges against the defendant were dismissed by the DA's Office.

The case has been referred to the Attorney General's Office and additional information is attorney/client privileged information at this time.

FY93 Expenditures: \$ 29,461.18

Title: McDowell Sterling Property  
Location: Sterling  
Site ID: 89-2-3-0-137-1  
DEC Region: Southcentral  
Ledger Code: 49594  
Project Manager: Paul Horwath, Kenai District Office, Soldotna, 262-5210

Situation: The Department of Transportation and Public Facilities identified petroleum contaminated soil and groundwater at the Cook's Tesoro service station in 1989, while investigating right-of-way properties as part of the Sterling Highway road improvement project. As a result, the DEC implemented an investigation that confirmed that groundwater contamination had migrated onto neighboring properties which are dependent upon groundwater for domestic water supplies. One of the neighboring property owners informed the Department of Law that he was prepared to file a lawsuit against the State. The Department of Law consequently requested that the DEC conduct some additional assessment work in order to better delineate the extent of groundwater contamination on the private parties' property.

FY93 Actions: DEC retained an environmental consultant, Gilfilian Engineering, Inc., to conduct the work requested by the Department of Law. Three groundwater monitoring wells were installed, soil and water samples were collected, and well locations and water table elevations were surveyed. A report was provided to DEC by Gilfilian Engineering, Inc.

FY93 Expenditures: \$ 13,954.69 An encumbrance of \$5,221.31 was made in FY93.

Title: Noyes Slough

Location: Fairbanks

Site ID: N/A

DEC Region: Northern

Ledger Code: 49134

Project Manager: Larry Katkin, Northern Region, Fairbanks, 451-2127

Situation: One 55 gallon drum containing an unknown substance was abandoned in the Noyes Slough located in Fairbanks.

FY93 Actions: DEC performed oversight of the drum removal by a contractor. The responsible party is unknown, thus there have been no civil or criminal assessments.

FY93 Expenditures: \$ 1,447.05

Title: Umiat Staging Area  
Location: North Bank of the Colville River  
Site ID: 89-3-6-9-252-5  
DEC Region: Northern  
Ledger Code: 49255  
Project Managers: Bob Couch, Fairbanks, 451-2192  
Laura Noland, Fairbanks, 451-2139

Situation: Transformers, approximately 500 full drums, and large amounts of solid wastes are present at this site. Many of the transformers were open and leaking PCB's. Landfilled material is eroding due to the close proximity to the drainage area. The U.S. Army Corps of Engineers responded to a Notice of Violation and stated that no funding was available for removal actions.

FY93 Actions: The State hired a contractor to containerize the leaking transformers. There has been no cost recovery to date.

FY93 Expenditures: \$13,403.72

Title: Rifle Range Drums  
Location: Fairbanks North Star Borough  
Site ID: 93-3-1-9-039-1  
DEC Region: Northern  
Ledger Code: 49157  
Project Manager: Kristen Goodwin, Northern Region, Fairbanks, 451-2131

Situation: Two 55-gallon drums were recently abandoned near the FNSB Rifle Range.

FY93 Actions: The drum contents were sampled by Departmental and University of Alaska Fairbanks Hazmat personnel. Samples analyzed by the lab were determined to be hazardous waste. Investigation by DEC revealed that the drums were abandoned by military personnel. Although the responsible military unit was identified, there was insufficient evidence to prosecute. Cost recovery from the military is not likely, however, military incurred the disposal costs.

FY93 Expenditures: \$ 7,685.34

Title: North Pole Meter Spill  
Location: North Pole  
Site ID: 93-7-3-1-152-1  
DEC Region: Pipeline Corridor  
Ledger Code: 49451  
Project Manager: Robert Watkins, Pipeline Corridor Region, Anchorage. 278-8595

Situation: On June 1, 1993, during a corrosion survey, contaminated soils were found along a six inch pipeline that returns residual oil product from the MAPCO Refinery to the Alyeska pipeline. Alyeska Pipeline Service Company accepted responsibility for the contamination and upon excavation of the soils around the line discovered a dripping leak from a buried valve flange associated with the line.

FY93 Actions: PCRO field personnel monitored Alyeska's clean-up of the contaminated soils, provided technical assistance to Alyeska and its contractors, and assisted Alyeska in notifying local homeowners concerning potential groundwater contamination. A groundwater sampling program conducted by Alyeska did not reveal contamination of neighboring water wells. Monitoring wells have been installed to ensure the continued safety of local drinking water supplies. Contaminated soils were taken to Pump Station 8 for temporary storage. Recovered contaminated water was hauled to the Fairbanks wastewater treatment plant and commingled with the waste stream.

FY93 Expenditures: \$1,082.16

Title: K&W Trucking Spill/Mile Post 248, Dalton Highway

Location: Mile Post 248 Dalton Highway- Atigun Pass

Site ID: 92-7-3-1-272-1

DEC Region: Pipeline Corridor

Ledger Code: 49251

Project Manager: Dick McKean, Pipeline Corridor Office, Anchorage, 278-8595

Situation: On September 27, 1992, a K&W tractor trailer carrying 8,500 gallons of arctic diesel fuel slid off the Dalton Highway at MilePost 248 and rolled over into a road side ditch. All fuel was lost with approximately 7500 gallons moving through a road culvert and down a ravine on the west side of the road.

FY93 Actions: K&W Trucking assumed responsibility for the spill and hired a contractor to undertake the clean-up. DEC had a representative on site to oversee clean-up activities and provided backup support during the 10 day initial clean-up. In-situ burning and mechanical removal of contaminated snow and soils were response methodologies used during the clean-up. Following the initial response, DEC staff met with the responsible party and the contractor to review site assessment plans and schedules.

The responsible party has reimbursed the Department for costs incurred by the State during the initial response.

FY93 Expenditures: \$1,961.77

Title: Village of Wainwright  
Location: Wainwright, Eskimos Inc. Bulk Fuel Facility  
Site ID: N/A  
DEC Region: Northern  
Ledger Code: 49717

Project Manager: Larry Katkin, Northern Region Office, Fairbanks, 451-2127

Situation: The bulk fuel facility located in the Village of Wainwright, and operated by the Joint Venture of the Olgoonik Corporation and Eskimos, Inc. poses a threat of an oil release due to its substandard condition.

FY93 Actions: DEC has made several inspections to the site to insure strict prevention measures and spill response capabilities are in place until this facility is permanently closed in September of 1994.

Eskimos Inc. has signed a compliance order in which they have agreed to reimburse DEC for its cost expenditures.

FY93 Expenditures: \$ 3,223.31

Title: Chevron Pipeline Spill, Kenai  
Location: Nikiski, Rig Tenders Dock, Cook Inlet  
Site ID: 92-2-3-1-004-1  
DEC Region: Southcentral  
Ledger Code: 49315

Project Manager: Joe Sautner, Southcentral Regional Office, Anchorage, 563-6529

Situation: On the morning of January 4, 1992 workers on Rig Tenders Dock in Nikiski reported a large amount of crude oil on the surface waters of Cook Inlet. The source of the product was later attributed to a ruptured ballast water line located approximately midway on the Kenai Pipeline Company (KPL) dock. The cause has been attributed to the freezing and expansion of ballast water that was left in the pipeline. KPL assumed responsibility for the spill and estimated the release at 400 barrels. The spill was later downgraded to 31 barrels by KPL. KPL initiated a response to the spill utilizing the resources of Cook Inlet Spill Prevention and Response, Inc. (CISPRI).

FY93 Actions: Cleanup on this spill was completed in FY 92. All costs incurred during FY 93 were primarily for personnel services related to cost recovery. The case was closed out on February 10, 1993. The Department recovered \$89,894 from KPL of which \$54,946 was a civil assessment for the spill and \$34,948 was for costs expended by the Department of Environmental Conservation.

FY93 Expenditures: \$ 9,785.89

Title: Kotlik Electric Tank Farm

Location: Kotlik

Site ID: 93-2-5-1-097-1

DEC Region: Southcentral

Ledger Code: 49432

Project Manager: Dennis Lundine, Western District Office, Anchorage, 349-7755

Situation: The Western District office was notified by the local village electric association that the village was about to run out of fuel. When questioned as to why, the individual had said that a contractor working for PHS had hit a fuel line with a snow blower. When questioned as to the amount in the tanks it was learned that the village could not account for 15,000 gallons of diesel fuel from the tank farm. (later this figure was revised to 7,000 gallons). The caller was asked the question, "Are they going to hire a cleanup contractor?" the reply was, " No! because they had only enough money to buy fuel to get them through the remainder of winter". A call was placed to the Department of Emergency Services for assistance. DEC/Bethel Field Officer Manager responded to Kotlik to investigate the release. Weather conditions on site were -40 degrees, no contractors were available to respond due to weather conditions. Bill Rieth and the villagers were able to recover +6000 gallons using 5 gallon buckets, dipping them from a sump area down gradient from the tank farm. The cause of the release was later determined to be a snowmobiler that may have hit a 2" gate valve.

FY93 Action: DEC provided oversight and technical assistance. Cost recovery potential is low. The responsible party is the City of Kotlik.

FY93 Expenditures: \$ 1,794.43

Title: Bethel BIA Oil Spill  
Location: Bethel  
Site ID: 93-2-5-1-106-2  
DEC Region: Western District Office  
Ledger Code: 49472

Project Manager: Bruce Erickson, Western District Office, Anchorage, 349-7755

Situation: On 4/15/93 the Bethel Field Office received a report from a bird hunter that there was fuel coming from the Bureau of Indian Affairs (BIA) Bethel Bulk Fuel Facility Site. Bill Rieth, Bethel Field Office Manager, accompanied the hunter back to the area where the hunter had encountered the fuel. Bill Rieth's initial investigation discovered product running under the varying depths of snow and on top of the frozen ground surface. It appeared that the product had flowed downhill from the BIA tank farm a distance of approximately 1.3 miles. Further investigations by DEC revealed that 107,000 gallons had been lost. The cause was a cracked 2" pipe elbow. The Bethel BIA was contacted, and they hired a contractor to start recovery operations. An incident command post was established and manned by EPA, USCG, BIA, BLM and DEC personnel. Recovery operations were terminated September of '93 due to the weather conditions. The total amount of diesel fuel recovered was 67,800 gallons. In addition to the fuel, other hazardous materials were discovered on site which required immediate attention. DEC has requested Site Remediation Plans by letter through the Attorney General's Office. As of 11/26/93, these have not been received. At this time, the case remains open. Communications with the BIA are currently through the Attorney General's office.

FY93 Action: Enforcement action is pending and cost recovery is anticipated.

FY93 Expenditures: \$ 61,335.52 An encumbrance of \$72.37 was made in FY93.

Title: Anchorage Barrels Phase II

Location: Anchorage

Site ID: 92-2-1-1-132-1

DEC Region: Southcentral

Ledger Code: 49262

Project Manager: Bill Lamoreaux, Anchorage District Office, Anchorage, 349-7755

Situation: Drums containing waste oil and/or hazardous materials were abandoned at various locations in Anchorage. Several drums were leaking or the contents were dumped on the ground.

FY93 Actions: DEC inspected and photographed the sites. The situation appeared to be the result of a willful dumping of the drums and DEC requested a crime scene report from the Anchorage Police Department and the Alaska State Troopers. The police gathered evidence at the scene. DEC analyzed the drum contents to determine if the drums contained hazardous materials. Lab analysis determined that the drums contained waste oil and hazardous waste. The investigation identified one of the drum dumpers.

The state filed charges in state district court against the abandoned drum dumper. The court found the dumper guilty of illegal disposal of oil and hazardous wastes. The court sentenced the dumper to jail time, community service time and required the dumper to reimburse the state for their investigation costs. The court directed the state to cleanup the contaminated site and restore the area, and the court required the dumper to reimburse the state for the cleanup and restoration costs.

FY93 Expenditures: \$ 11,586.15

Title: Peninsula Circle

Location: Anchorage

Site ID: 93-2-1-1-106-2

DEC Region: Southcentral

Ledger Code: 49458

Project Manager: John Bauer, Anchorage District Office, 349-7755

Situation: One drum was abandoned along an Anchorage street.

FY93 Actions: DEC inspected the site and photographed the drum. The situation appeared to be the result of a willful dumping of the drum and DEC requested a crime scene report from the Anchorage Police Department. The police gathered evidence at the scene. DEC analyzed the drum contents to determine if the drum contained hazardous material. Lab analysis determined that the waste oil was not hazardous waste.

The responsible party has not been identified. The case is in inactive status.

DEC will be not be pursuing cost recovery since the responsible party has not been identified.

FY93 Expenditures: \$ 1,559.37

Title: 79th and Hartzell Drum

Location: Anchorage

Site ID: 93-2-1-1-106-3

DEC Region: Southcentral

Ledger Code: 49460

Project Manager: John Bauer, Anchorage District Office, 349-7755

Situation: Four drums were abandoned along an Anchorage street. The drums were damaged and leaking what appeared to be waste oil and possibly solvents and/or gasoline.

FY93 Actions: DEC inspected the site and photographed the leaking drums. The situation appeared to be the result of a willful dumping of the drums and DEC requested a crime scene report from the Alaska State Police. The police gathered evidence at the scene. DEC analyzed the drums contents to determine if the drums contained hazardous material. Lab analysis determined that the waste oil was not hazardous.

The responsible party has not been identified. The case is in inactive status.

DEC will be not be pursuing cost recovery since the responsible party has not been identified.

FY93 Expenditures: \$ 2,748.79

Title: Alaska Railroad, Eklutna

Location: Birchwood

Site ID: 93-2-1-1-036-1

DEC Region: Southcentral

Ledger Code: 49100

Project Manager: John Bauer, Anchorage District Office, Anchorage, 349-7755

Situation: On February 5, 1993 an Alaska Railroad three-unit train derailed near Birchwood. The derailment damaged the engines and fuel tanks. The spilled material flowed on ice, snow, and frozen ground within the railroad right of way and onto the Susitna River flats. Total spill volumes were 3,766 gallons of diesel fuel, 99 gallons of motor oil, 38 gallons of hydraulic fluid, and 1.5 gallons of battery acid.

FY93 Actions: DEC responded to the field and provided technical assistance and spill oversight. Recovery efforts included manual removal of contaminated snow, pumping of spilled fuel and contaminated overflow. Cleanup is completed.

The responsible party is the Alaska Railroad. DEC will be pursuing cost recovery with the Alaska Railroad.

FY93 Expenditures: \$ 3,563.00

Title: Cinnabar  
Location: Anchorage  
Site ID: 92-2-1-9-127-2  
DEC Region: Southcentral  
Ledger Code: 49282

Project Manager: Doreen Sullivan-Garcia, Anchorage District Office, 349-7755

Situation: Fifteen drums in poor condition with unknown contents, a crate of potentially hazardous materials and area of stained soil were observed at an abandoned site. The landowner was unresponsive. Hazards to health and safety of the public and neighboring workers were considered severe enough to warrant a DEC response in June of 1992 to secure the leaking drums and containers.

FY93 Actions: DEC is continuing to investigate the circumstances of the abandonment. The responsible party, an oil spill cleanup firm that left Alaska in 1988, was identified. A workplan to cleanup the site and characterize the wastes, primarily dispersants, wastes oils and oil spill cleanup wastes was prepared by the responsible party. DEC is monitoring the work to insure disposal and cleanup is in accordance with applicable local, state and federal regulations. The landowner will be responsible to reimburse the state for the response and oversight costs.

FY93 Expenditures: \$2,608.27

Title: Neka Bay Fish Kill

Location: Hoonah

Site ID: 92-1-1-0-166-1

DEC Region: Southeast

Ledger Code: 49278

Project Manager: Steve Haavig, Southeast Region, Juneau, 465-5356

Situation: A fish kill, estimated in the tens of thousands of fish, was reported in Neka Bay, 12 miles southwest of Hoonah on June 14, 1992.

FY93 Actions: Initial field investigations by regional staff did not reveal a cause. Concern for subsistence resources and commercial harvests prompted an expansion of the investigation to include water and sediment analysis. Tissue analysis on important commercial and subsistence resources was also conducted in order to determine if fish and shellfish were safe to eat. A consultant was hired to carry out the study. DEC investigators interviewed local residents to reconstruct the timing of events as there was concern that the incident was caused during the repairs of an ocean going barge that was pulled into Neka Bay for emergency repairs prior to the fish kill. The investigations did not pinpoint the cause of the fishkill. No significant measurable quantities of any man-made toxins were found. Some high paralytic shellfish poison (PSP) levels were found in the dungenese crab guts. Mostly likely the fish kill was caused by a natural phenomenon and the killing agent or agents could not be determined because they rapidly dissipated.

No responsible party has been identified in this incident, no cost recovery, criminal or civil assessments have been made.

FY93 Expenditures: \$ 50,169.56

Title: Mile Post 285 Parks Highway

Location: Mile Post 285, Parks Highway

Site ID: 92-3-1-1-147-7

DEC Region: Northern

Ledger Code: 49503

Project Manager: Larry Katkin, Northern Region Office, Fairbanks, 451-2181

Situation: Fifteen 55 gallon drums containing an unknown substance were abandoned along the Parks Highway.

FY93 Actions: DEC performed oversight of the drum removal by a contractor. The responsible party is unknown, thus there have been no civil or criminal assessments.

FY93 Expenditures: \$7,029.55

Title: Talkeetna (Chase) Train Derailment

Location: Chase/Talkeetna

Site ID: 93-2-2-1-117-1

DEC Region: Southcentral

Ledger Code: 49469

Project Manager: Mike Kriebler, Mat-Su District Office, Wasilla, 376-5038

Situation: Derailment of an Alaska Railroad Corporation train resulted in the spilling of approximately 2,400 gallons of diesel fuel into the rail bed ballast material. This spill occurred adjacent to the Susitna River. Also, a boxcar of acid barrels overturned into the Susitna River, but no leakage was reported.

FY93 Actions: Initial efforts were focused on uprighting and retrieving the upended acid boxcar from the river, prior to any damage from spring breakup of the Susitna River, which could have resulted in a significant spillage of acid. At the same time as attempting to retrieve the acid boxcar, a cleanup crew performed booming and fuel mopping from the river and drainage ditches. After completion of the acid boxcar retrieval, efforts focused on excavation of the contaminated soil.

FY93 Expenses: \$ 6,720.06

Title: Saltz General Contractors

Location: Soldotna

Site ID: 93-2-3-1-075-1

DEC Region: Southcentral

Ledger Code: 49165

Project Manager: Gary Folley, Kenai District Office, Soldotna, 262-5210

Situation: Sometime during the winter of 1992-93 there was a release of No. 1 diesel fuel from a fuel truck located at Saltz General Contractors equipment yard. The spill was discovered in the spring of 1993 and action was taken to remove the visibly contaminated snow and soil.

FY93 Update: An engineering consultant was retained by Saltz General Contractors. A field investigation was conducted and 130 cubic yards of contaminated soil was excavated and stockpiled on site. A Corrective Action Report was submitted to the DEC. Approval has been granted to landspread a portion of the soils and thermally treat the remainder. Reimbursement will be requested for oversight expenses.

FY93 Expenditures: \$ 1,033.08

Title: 100th Martin

Location: Anchorage

Site ID: N/A

DEC Region: Southcentral

Ledger Code: 49107

Project Manager: John Bauer, Anchorage District Office, 349-7755

Situation: The Anchorage District Office is investigating possible illegal discharge of oil and/or hazardous materials. The case is currently under investigation, and the information is enforcement sensitive.

FY93 Actions: DEC investigated possible illegal discharges of oil and/or hazardous materials. The case is currently under investigation, and the information is enforcement sensitive.

FY93 Expenditures: \$ 2,776.94

Title: Spyglass  
Location: Anchorage  
Site ID: 92-2-1-1-132-1  
DEC Region: Southcentral  
Ledger Code: 49453

Project Manager: John Bauer, Anchorage District Office, 349-7755

Situation: Drums containing waste oil and/or hazardous materials were abandoned at various locations in Anchorage. Several drums were leaking or the contents were dumped on the ground. DEC and police officials investigated the incident and identified the abandoned drum dumper. The Spyglass site was an extension of activities (primarily clean-up) of the investigations identified under Anchorage Barrels Phase II.

As identified under the case titled Anchorage Barrels Phase II, the state filed charges in state district court against the abandoned drum dumper. The court found the dumper guilty of illegal disposal of oil and hazardous wastes. The court sentenced the dumper to jail time, community service time and required the dumper to reimburse the state for their investigation costs. The court directed the state to cleanup the contaminated site and restore the area, and the court required the dumper to reimburse the state for the cleanup and restoration costs.

FY93 Actions: DEC contracted with an environmental company to cleanup and restore the site. DEC directed the contractors cleanup and restoration activities. All site work was completed.

The abandoned drum dumper will reimburse the state for the cleanup and restoration costs in accordance with the district court sentencing.

FY93 Expenditures: \$ 551.99 An encumbrance of \$13,675.00 was made in FY93.

## Appendix B

### CONTAMINATED SITE SUMMARIES

This appendix includes detailed explanations of sites on which \$1,000 or more was spent from the Response fund during FY92 for contaminated site investigation, safety, cleanup and cost recovery.

The Director of the Division of Spill Prevention and Response has been delegated authority by the Commissioner's Office to expend Response Funds on a specific site investigation or remediation project. A Project Manager is assigned to each project as the site is discovered and manages all activities pertaining to investigation and cleanup of the site, including cost tracking, approval of all project fund expenditures and cost recovery.

Title: Oriental Crane

Location: Nikiski

Site ID: 88-2-3-1-347-1

DEC Region: Southcentral

Ledger Code: 49509

Project Manager: Bryson Twidwell, Kenai District Office, Soldotna, 262-5210

Situation: On December 12, 1988, 171 barrels of bunker fuel oil (IBF 180) was released into Cook Inlet at the Kenai Pipe Line (KPL) dock at Nikiski. The responsible party was the motor vessel, "Oriental Crane". The spill occurred when the ship's fender system was damaged during winter storm wave action. The dock punctured the vessel hull. Oil was carried to shore by onshore winds, contaminating a 2-3 mile length of sand and gravel beach adjacent to the KPL dock. The petroleum contaminated soils were excavated and stored at the Chevron Refinery.

FY93 Actions: The contaminated soils were remediated using a thermal treatment unit. Total remediated soil volume was approximately 20,000 yards. The remediated soils were used as diking material for the tank farm at the Kenai Pipeline Facility.

FY93 Expenditures: \$ 4,4094.92

Title: Project Chariot Radioactive Contamination Cleanup

Location: Cape Thompson (30 miles south of Point Hope)

Site ID: 92-3-6-9-239-1

DEC Region: Northern

Ledger Code: 49132

Project Manager: Doug Dasher, Fairbanks, 451-2172

Situation: Burial of radionuclides occurred near Cape Thompson at the Chariot site. From 1958 to 1963, scientific studies were conducted to evaluate the environmental impact of proposed nuclear detonations on the environment. The purpose of the nuclear detonations was to create a deep-water harbor. In 1962 an experiment was conducted at the site to evaluate the migration of the radionuclides through the soil. The radionuclides were applied to the soil plots and Snowbank Creek. Water was sprayed over each soil plot, and runoff was sampled and measured for each of the radionuclides. Upon completion of the experiments, the contaminated soil used was moved to a disposal site, buried, and covered with clean soil. Due to public concerns, the Project Chariot nuclear detonations never took place.

In 1992, a researcher brought to public attention documents detailing the burial of the radionuclides. Residents in Point Hope and Kivalina feared that the nuclear wastes in the disposal site may have caused cancers in their villages. For this reason, on September 15, 1992, Governor Walter Hickel and Senator Frank Murkowski visited Point Hope. They promised that the residual waste would be removed and the site cleaned up.

FY93 Actions: DEC's role has been to review and evaluate DOE operations to assure they are in the best interest of the state. The department has reviewed historical documents pertaining to the Project Chariot studies; applied for DOE security clearance to review any remaining documents that may be classified; applied and received a DOE grant to fund the department's oversight and reimburse past response fund expenditures; provided information to the local communities; held interagency and community meetings; provided logistical assistance to DOE; provided funds for community on-site representatives to be medically monitored and receive 40-hour hazardous waste operators training; reviewed and approved DOE's site remediation plan; and conducted field oversight of DOE activities during remedial actions, including photo/video documentation and sampling and monitoring activities to assure compliance with the approved plan. It is important to note that the preliminary data indicates that the radionuclides left at the site never represented a health hazard to the local communities.

Completion of our involvement will involve completing a report on the field activities and

monitoring results, review and comment on the DOE report presentation of the reports to the local communities, limited participation in the development of follow up health studies, development and implementation of a airborne radionuclide monitoring station in Pt. Hope and to finally revisit the site in order to assess the revegetation efforts.

All DEC expenditures on Project Chariot will be reimbursed and/or paid for by a federal grant.

FY93 Expenditures: \$162,581.52

Title: Kenai Pipeline Facility

Location: Nikiski

Site ID: 92-2-3-1-002-1

DEC Region: Southcentral

Ledger Code: 49170

Project Manager: Bryson Twidwell, Kenai District Office, Soldotna, 262-5210

Situation: The Kenai Pipeline Facility (KPL) has crude oil contamination in several large areas around the facility due to past industrial practices, leaks and spills that have occurred since the 1960s. There are three open, unlined lagoons and a filled-in lagoon that were used for oil/water separation. The lagoons are situated in the wetlands next to Bernice Creek. There are impacts to vegetation, wildlife and groundwater in the area. There are several large areas of crude oil contamination in the soil where pipeline leaks have occurred under buildings and along pipeline corridors.

FY93 Actions: KPL has conducted a site assessment to determine the amount and location of petroleum contamination at the facility. The results of the first phase of the site assessment were submitted to DEC on Feb. 27, 1992. Additional site assessment activities in areas requiring further investigation were conducted during the summer of 1993. At the same time, a risk assessment was drafted to determine the hazards to the environment, and to the people in the area.

FY93 Expenditures: \$ 2,348.66

Title: Wasilla Machine Shop

Location: Wasilla

Site ID: 90-2-2-1-239-1

DEC Region: Southcentral

Ledger Code: 49133

Project Manager: Mike Krieber, Mat-Su District Office, Wasilla, 376-5038

Situation: Contaminated (petroleum) materials appear to have been disposed of by being poured down wastewater drains. Contamination entered the soil via a broken sewer pipe and was initially noted in 1990. The owner reports lack of financial resources to address site evaluation and cleanup.

FY93 Actions: Sampling of the effluent stream was conducted by the DEC. Department Resource Conservation and Recovery Act staff also performed an inspection. District Office staff has been coordinating with the regional and central office on listing the site for state-lead cleanup. The owner has been informed of cost recovery procedures.

FY93 Expenditures: \$2,934.89 An encumbrance of \$10,000 was made in FY93.

Title: Gambell Tankfarm & Pipeline Site Assessment

Location: Gambell

Site ID: 93-3-2-9-039-1

DEC Region: Northern

Ledger Code: 49787

Project Manager: Randy Romenesko, Nome District Office, 443-2600

Situation: Site is the location of long term poor fuel storage and piping practices. Contaminates of concern are gasoline and diesel (heating fuel #1). The elementary school well has been contaminated by benzene as a result of the spills. It is unknown who spilled what products, nor is there an accurate estimate of the quantity of contaminants spilled.

FY93 Actions: The contract for performing the Site Assessment was signed by DEC and the contractor (Shannon & Wilson, Inc.) was signed on 30 June, 1993. Thus, there was little activity on this project in FY93.

It is reasonable to believe that many Responsible Parties have contributed to the contamination problem. It has been recommended that cost recovery is not feasible for the site assessment under the present circumstances.

FY93 Expenditures: \$333.62 An encumbrance of \$82,000 was made in FY93.

Title: McGrath Airport Retardant Ramp - Phase I Assessment

Location: McGrath

Site ID: 91-2-2-0-016-1

DEC Region: Southcentral

Ledger Code: 49131

Project Manager: John Halverson, Southcentral Region, Anchorage, 563-6529

Situation: The McGrath Airport retardant ramp site has been used by several different state and federal agencies, including the Department of Defense (DOD), over the past 50 years. Complaints indicate the DOD may have buried numerous drums beneath the runway or the retardant ramp prior to transferring the property to the State.

Additionally, petroleum contaminated soil was discovered at the retardant ramp during the removal of two 5,000 gallon underground storage tanks (USTs). Contaminated soil was documented from the ground surface to the water table.

The retardant ramp is currently owned by the State of Alaska. The Bureau of Land Management (BLM) leased the land from 1973-1998 for use in fire control. The USTs were installed in about 1978. In the mid to late 1980s, the Alaska Department of Natural Resources (DNR) entered into a sub-lease of the retardant ramp and has operated it since that time. DNR removed the USTs in 1991, discovered the contamination and reported it to the DEC. However, DNR did not have funding available to follow through with a site investigation and cleanup.

Based on the high Alaska Hazard Ranking Score, the numerous potentially responsible parties (PRP), proposed future airport improvements and the lack of a commitment from any PRPs to investigate and cleanup the site, the DEC initiated a Phase I investigation under the state lead program.

FY93 Actions: A Phase I Field Investigation was conducted to check for the presence of buried drums and evaluate the extent of petroleum contamination associated with the former USTs. No large areas of buried drums or metal were identified. High concentrations of gasoline contamination were documented in the soil and groundwater adjacent to the former tanks, however, the impacts appear to be localized. DNR nominated the site for inclusion in the state Memorandum of Agreement and has since received funding for conducting remedial action. Cost recovery options will be evaluated.

FY93 Expenditures: \$13,651.23 An encumbrance of \$41,707.62 was made during FY93.

Title: King Salmon Orphan Drums

Location: King Salmon

Site ID: 92-2-5-0-9-193-1

DEC Region: Southcentral

Ledger Code: 49257

Project Manager: Ron Klein, Southcentral Regional Office, 563-6529

Situation: Abandoned drums were discovered in an Alaska Department of Transportation and Public Facilities (DOT&PF) right-of-way during installation of a sewer line in King Salmon for the Bristol Bay Borough. The Village Safe Water program was providing technical assistance and funding for the project.

Potentially responsible parties were contacted to take responsibility for the site at the time it was encountered. All parties refused. The Bristol Bay Borough undertook initial screening activities at the site in consultation with the department to determine if the sewer installation could proceed. The initial screening indicated no significant contamination, and so the Bristol Bay Borough was given approval to excavate through the buried drum site. Approximately 1,250 cubic yards of soil and drums were excavated from the trench and placed on a visqueen liner. The bottom of the trench was tested and no contamination was detected or evident. The trench was then lined with visqueen, and the line placed on and covered with clean fill. The visqueen was used to allow for easy identification of the drum zone in future remediation or excavation, and to inhibit any contamination moving from the drum into the sewer line corridor.

The Air Force agreed to and did dispose of the drums removed from the excavation. They were conducting a barrel disposal operation in the area, and were able to accommodate these drums at little or no additional cost. The Air Force did not admit responsibility for the drums or for the dump site.

FY93 Actions: The Bristol Bay Borough requested from the Department reimbursement for \$18,416.20 incurred costs due to the incident. The Regional Administrator determined that the reimbursement request - with the exception of \$2,125.68 for costs associated with delays in the sewer installation due to the incident, would be eligible for reimbursement. The Borough's request was found to be in compliance with the Department's April 13, 1992 policy statement on Municipal and Village Reimbursements and Grants. Insufficient evidence as to origin of the drums exist to support a cost recovery action against the potentially responsible parties.

FY93 Expenditures: \$16,290.52

Title: Nikiski Air Quality Monitoring

Location: Nikiski Industrial Complex

Site ID: N/A

DEC Region: Southcentral

Ledger Code: 49293

Project Manager: Gerry Guay, Air Quality Management, Juneau, 465-5100

Situation: Based on complaints from local residents, the Air Quality Program initiated an air quality monitoring program in Nikiski in 1988. The actual Nikiski monitoring site was established a year later to monitor ammonia emissions from Unocal Chemical to determine compliance with the State's air quality standards. This site was part of the joint monitoring network established between Unocal, Tesoro and the Department. At conclusion of the joint monitoring project, Unocal and the State continued to evaluate ambient ammonia concentrations at the monitoring site across from Phillips Petroleum. The State's continued involvement was more an oversight role designed to evaluate comparability between systems and validate monitoring methodologies for the recently adopted, State air quality ammonia standard.

FY93 Actions: Air quality monitoring was conducted at this site from July 1992 through September 1992 and from May 1993 through June 1993 to monitor instrument operation and standards compliance. Monitoring conducted in 1993 was supported by a technician from the Kenai District Office which greatly improved the quality and reliability of collected data. A recent audit of both monitoring systems has shown that little differences remain between both systems. Monitoring at this site is no longer required, but relocation to another site downwind of the Unocal facility may be required in the future.

Cost recovery was not pursued for this project as the facility had already spent a considerable amount on the joint monitoring effort and was currently operating an ammonia monitoring site at that location. All of these expenses and their cooperation were taken into account in determining if it was reasonable to require cost recovery.

FY93 Expenditures: \$33,098.16 An encumbrance of \$11,025.31 was made in FY93.

Title: Skagway Groundwater

Location: Skagway

Site ID: 88-1-1-9-363-1

DEC Region: Southeast

Ledger Code: 49600

Project Manager: Randy Rice, Southeast Region, 465-5338

Situation: Trichlorethylene (TCE), a known carcinogen, was found to be present in the groundwater and municipal wells of Skagway. The source of the contamination is still under investigation.

FY93 Actions: DEC has conducted quarterly monitoring of groundwater monitoring wells. Data is being compiled for assessment and compared to monitoring being conducted by the Corp of Engineers and Whitepass, a potentially responsible party. Preliminary risk assessment screening is being conducted.

Costs are being tracked in the event a responsible party is clearly identified.

FY93 Expenditures: \$20,965.20

Title: Rabbit Run Drum Site

Location: Soldotna

Site ID: 88-2-3-1-304-5

DEC Region: Southcentral

Ledger Code: 49325

Project Manager: Gary Folley, Kenai District Office, Soldotna, 262-5210

Situation: DEC involvement with the Rabbit Run Drum Site began in 1988 when a citizen complained about oil leaking from drums. DEC representatives observed 14 drums on the property, approximately half of which contained liquids. Dark brown, stained soils were observed in a 15 foot radius around the drums.

A contractor was hired using Response Fund funds because the property owner of record refused to cooperate in the cleanup of this site. Leaking drums were placed in overpacks, oil on the ground was removed as much as possible with absorbent pads, and absorbent boom was placed across the runoff pathway. The contents of the drums were sampled and analyzed; two of the drums were found to contain high levels of halogens. In June 1992, all of the drums were removed from the site and incinerated by the contractor.

FY93 Action: Contaminated soil remains at the site where the drums were staged. If these soils are contaminated with halogens or if the depth of contamination is great enough to impact groundwater, failure to take remedial action could pose an unacceptable threat to neighboring drinking water wells. An owner of neighboring property has expressed concern.

A site assessment is needed to determine the extent and chemical nature of the contamination on this property. If the site assessment indicates the presence of halogenated compounds in the soil or if the depth of contamination is great enough that groundwater is threatened, remediation of the contaminated soils will be necessary. A FY94 proposed work plan and cost estimate has been developed. The project is proposed as a state lead site for FY94.

FY93 Expenditures: \$1,780.30

Title: Denali Fuel/NYE, 5th Avenue

Location: Anchorage

Site ID: 90-2-1-1-338-1

DEC Region: Southcentral

Ledger Code: 49135

Project Manager: Robert Weimer, Anchorage District Office, Anchorage, 349-7755

Situation: Historic fuel spills discovered at the site in 1990 have resulted in extensive surface and subsurface soil contamination. Site investigation and corrective action activities are being conducted by the responsible parties.

FY93 Actions: DEC staff provided oversight for site investigation and corrective action.

The responsible parties are Denali Fuel and NYE. The project will be reviewed for cost recovery in accordance with department policy.

FY93 Expenditures: \$ 2,783.42

Title: Alaska Oil Sales Diesel Spill

Location: Homer

Site ID: 92-2-3-1-290-4

DEC Region: Southcentral

Ledger Code: 49169

Project Manager: Gary Folley, Kenai District Office, Soldotna, 262-5210

Situation: On October 16, 1992, approximately 70 gallons of No. 1 diesel were accidentally spilled by an Alaska Oil Sales truck operator while filling a tank at the Laidlaw Transit Inc. bus terminal in Homer.

FY93 Actions: Thirty cubic yards of contaminated soil was excavated and transported to the Alaska Environmental Specialists facility in Nikiski to be recycled as asphalt treated base. The project will be reviewed for reimbursement in accordance with department policy.

FY93 Expenditures: \$1,059.11

Title: Dresser Atlas  
Location: Nikiski  
Site ID: 86-2-3-0-140-1  
DEC Region: Southcentral  
Ledger Code: 49710

Project Manager: Monica English, Kenai District Office, Soldotna, 262-5210

Situation: This site is currently the location for the Atlas Wireline Services business and is located at approximately mile 22.5 of the North Kenai Road between the towns of Kenai and Nikiski.

In 1986, employees of the Atlas Wireline business complained of a gasoline taste in their drinking water. DEC analyzed water samples for the drinking water well and found benzene and xylene contamination. A new well was drilled in the deeper confined aquifer in 1988. It was determined that a possible source of contamination in the original well was from a former gasoline service station and general merchandise store that was previously located on the site. The underground storage tanks (UST) were drained and removed in June 1988. DEC conducted assessment work in 1988, 1989 and 1990. This assessment work indicates that a dissolved benzene, toluene, ethylbenzene, and xylene (BTEX) plume extends from the pump island/former UST excavation area.

Site remediation actions that have occurred to date include the installation and operation of a vapor extraction/air sparging system.

The property was formally owned by the State of Alaska. According to the Department's site investigation, it appears that the majority of contamination occurred prior to conveyance to its current owner, the Kenai Peninsula Borough. It would be very difficult, if not impossible to prove that any contamination occurred after the borough took title of the property from the State. No attempt will be made to recover cleanup costs.

FY93 Actions: During FY93, continued operation of the vapor extraction/air sparging system occurred to facilitate continued reductions to the levels of petroleum hydrocarbon contamination in the soils and groundwater at this site.

FY93 Expenditures: \$156,603.41 An encumbrance of \$90,121.50 was made in FY93.

Title: Poppy Lane Gravel Pit  
Location: Kenai Peninsula Borough  
Site ID: 86-2-3-1-151-1  
DEC Region: Southcentral  
Ledger Code: 49770

Project Manager: Paul Horwath, Kenai District Office, Soldotna, 262-5210

Situation: Poppy Lane gravel pit occupies approximately 40 acres of an 80 acre tract on West Poppy Lane near Soldotna, Alaska. The site is owned by Union Oil Company of California (UNOCAL), Marathon Oil Company, Chevron USA and ARCO Alaska Inc. and has been in existence since the mid 1960's. The current site operator is Marathon Oil Company. From 1965 to 1985, the Poppy Lane gravel pit was used as a disposal site, with unrestricted access, for unknown quantities of construction materials, drums, drilling muds, petroleum waste products and residential refuse. The privately owned adjacent properties, down gradient of the pit, have experienced groundwater contamination.

A Compliance Order By Consent has been signed for this project. The State received \$275,000 for costs and damages.

FY93 Actions: Monitor wells were installed and sampled around the Poppy Lane Gravel Pit. A fence was installed around the gravel pit to limit access to the site. A large (10 acre) bio-remediation cell was constructed on land adjacent to the gravel pit. Aman Environmental, Inc. is the primary contractor for Marathon on this project. DEC inspections during construction of the cell determined that the base liner for the cell had been improperly installed. An agreement was reached stating conditions whereby DEC would accept and allow continued use of the cell without re-building the entire cell. A \$60,000.00 penalty and the installation and sampling of monitor wells around the treatment cell were part of the agreement.

Soils from the gravel pit were moved into the cell and soil remediation begun. Mechanical soil tilling was conducted until October 1992, when it was discontinued for the winter. Inspections in early October, 1992, by Aman Environmental identified evidence of a torn liner. Marathon and DEC were not formally notified of the possibility of a liner breach by the contractor, Aman Environmental, Inc., until April, 1993. The incident is under investigation. No remediation activities were conducted for the remainder of FY93. The department is being reimbursed for oversight expenses on a quarterly basis.

FY93 Expenditures: \$5,559.91

Title: Soldotna Chlorine Release  
Location: Soldotna Waste Water Treatment Plant  
Site ID: 92-2-3-9-030-1  
DEC Region: Southcentral  
Ledger Code: 49312

Project Manager: Janice Adair, Regional Administrator, Anchorage, 563-6529

Situation: Failure of a plastic pipe resulted in the release of chlorine gas from the Soldotna Waste Water Treatment Plant on January 30, 1992. Local residents were evacuated until it could be confirmed that the gas cloud had dispersed. DEC staff led the effort to screen areas and homes in close proximity to the release for the presence of chlorine gas.

Following the initial response to the incident, substantial DEC effort was put into determining likely causes of the release as well as investigating issues related to the operation of the facility, which became apparent during the course of the chlorine release investigation. Cost recovery will be sought in FY 93 against the City of Soldotna, Owner of the facility.

FY93 Actions: Cost recovery negotiations were initiated and continue between the City of Soldotna, DEC, and the Attorney General's Office for recovery of all costs associated with the release. Tentative settlement has been reached to reimburse only those costs from the Response Fund -- \$5,019.98.

FY93 Expenditures: \$5,724.79

Title: Peters Creek Ph. II

Location: Anchorage

Site ID: 86-2-1-1-062-1

DEC Region: Southcentral

Ledger Code: 49726

Project Manager: Bill Lamoreaux, Anchorage District Office, 349-7755

Situation: Gasoline contamination was discovered in the groundwater supplying a Peters Creek subdivision in 1986. The source of the spill was determined to be the Peters Creek Tesoro station. After an extensive investigation, a recovery effort was initiated to remove free product from the groundwater and to measure the extent of the contaminated plume.

A civil settlement was reached whereby the State received \$600,000 and assumed the recovery efforts. Phase II work is a continuation of assessment of the contamination and will ultimately lead toward a risk assessment. Information collected to date suggests that the contaminated plume is continuing to move into areas previously uncontaminated and might someday threaten public or private wells to the Northwest.

FY93 Actions: DEC is continuing to investigate whether additional cleanup is needed at the site and whether the contaminated groundwater plume threatens other water wells in the area. Monies expended to date are from the original \$600,000 .

FY93 Expenditures: \$13,809.64 An encumbrance of \$84,555.00 was made in FY93.

Title: Marshall Groundwater  
Location: Marshall  
Site ID: 90-2-5-1-351-1  
DEC Region: Southcentral  
Ledger Code: 49441

Project Manager: Ray Dronenburg, Southcentral Region, Unalaska, 581-1822

Situation: In December 1990, the Marshall drinking water supply was contaminated by gasoline as a result of a buried leaking petroleum transfer line adjacent to the Marshall tank farm. Accessible contaminated soils were removed from the spill site at the Marshall tank farm in August 1992. Remediation of the soils has been in progress since then under two 90-day EPA Emergency Hazardous Waste Management Facility permits issued on June 22, 1992, and on June 28, 1993. The Department, City of Marshall and the Maserculiq Corporation, were joint permittees for the emergency hazardous waste management facility.

FY93 Action: June 1993 sampling of soils at the EPA-permitted Homesite Road facility, Marshall (EPA I.D. No. AKD 98307 5391) showed that benzene levels have dropped to the extent that soils are no longer classified as RCRA-regulated hazardous waste. At the end of FY93 preparation of a closure plan was in progress for the facility.

FY93 Expenditures: \$ 8,635.17

Title: Coastal Drilling  
Location: Soldotna  
Site ID: 88-2-3-9-183-3  
DEC Region: Southcentral  
Ledger Code: 49329

Project Manager: Bryson Twidwell, Kenai District Office, Soldotna, 262-5210

Situation: This site was occupied by Coastal Drilling, a former oil field drilling company. Coastal Drilling is no longer in business and the company owners have all passed away. The current property owner has refused to initiate cleanup action, causing the site to revert to a state-lead project. The contamination on the site is largely associated with two disposal pits where oil field wastes from the Coastal Drilling Co. were disposed. There are many contaminants in the pits including heavy metals, petroleum fuels, solvents and PCBs. There is a class A public drinking water well within 50 feet of the pits. In addition to the pits, there is also petroleum and heavy metal contamination located where an old shop used to exist.

FY93 Actions: The Department has drilled monitor wells around the pits and the drain. Soil contamination has been documented, but groundwater contamination has not. For FY93, the Department has hired an environmental consultant to investigate remediation options and the associated costs.

FY93 Expenditures: \$ 6, 683.96 An encumbrance of \$ 79,886.48 was made in FY93.

Title: Kenai Pipeline Facility

Location: Nikiski

Site ID: 92-2-3-1-002-1

DEC Region: Southcentral

Ledger Code: 49170

Project Manager: Bryson Twidwell, Kenai District Office, Soldotna, 262-5210

Situation: The Kenai Pipeline Facility (KPL) has crude oil contamination in several large areas around the facility due to past industrial practices, leaks and spills that have occurred since the 1960s. There are three open unlined lagoons and one filled in lagoon that were used for oil/water separation. The lagoons are situated in the wetlands next to Bernice Creek. There are impacts to vegetation, wildlife and groundwater in the area. There are several large areas of crude oil contamination in the soil where pipeline leaks have occurred under buildings and along pipeline corridors.

FY93 Actions: KPL has conducted a site assessment to determine the amount and location of petroleum contamination at the facility. The results of the first phase of the site assessment were submitted to the Department on Feb. 27, 1992. Additional site assessment activities in areas requiring further investigation were conducted during the summer of 1993. At the same time, a risk assessment was drafted to determine the hazards to the environment, and to the people in the area.

FY93 Expenditures: \$ 2,348.66

Title: McGahan/Nikiski Water

Location: Nikiski

Site ID: 88-2-3-9-355-1

DEC Region: Southcentral

Ledger Code: 49556

Project Manager: Paul Horwath, Kenai District Office, Soldotna, 262-5210

Situation: In the fall of 1988, DEC identified chlorinated solvents (tetrachloroethylene and 1,1,1-trichloroethane) in the McGahan Public Utilities water supply system. The tetrachloroethylene exceeded State and Federal drinking water standards for public water supply systems. In the spring of 1989, DEC funded an investigation that identified a defunct drycleaning/laundry business as the source of the tetrachloroethylene contaminating the groundwater and the utility's public water supply wells. During this investigation, groundwater monitoring wells were installed in order to determine groundwater flow characteristics, and to monitor groundwater contaminant concentrations.

FY93 Actions: DEC retained an environmental consultant, Hart Crowser, Inc., to collect groundwater samples from groundwater monitoring wells, and to resurvey the monitoring wells and groundwater elevations in order to track both contaminant concentrations, and groundwater flow characteristics. One of the groundwater monitoring wells is positioned directly between the source of contamination and the public water supply wells, and serves as an early warning detector for contamination migrating toward the public water supply wells.

Upon completion of the field work, the consultant prepared a report for the DEC, documenting their findings and interpretations of the data.

FY93 Expenditures: \$ 4,934.35

Title: Dalton Highway Drums  
Location: Dalton Highway, Mile Post 7.7  
Site ID: 93-4-6-9-116-1  
DEC Region: Southcentral  
Ledger Code: 49649

Project Manager: Dick McKean, Pipeline Corridor Regional Office, 278-8595

Situation: On April 26, 1993, two drums were found on the embankment of the Dalton Highway at Mile Post 7.7. The drums were marked as isocyanate and appeared to have fallen off a truck or to have been illegally dumped. A small amount of product appeared to have leaked from one of the drums.

FY93 Actions: Subsequent to a site inspection, DEC personnel hired a response contractor to contain, remove and dispose of the two drums and associated contaminated soils.

Efforts to recover costs were dropped because the Department was unable to determine who owned or who was transporting the drums.

FY93 Expenditures: \$ 4,370.23 An encumbrance of \$3782.12 was made during FY93.

Title: UAA/MAPS  
Location: Soldotna  
Site ID: 88-2-3-1-301-6  
DEC Region: Southcentral  
Ledger Code: 49455  
Project Manager: Bryson Twidwell, Kenai District Office, Soldotna, 262-5210

Situation: This site is the former fire training area used by the University of Alaska, Anchorage/Mining and Petroleum Science. Petroleum fuels, such as diesel and gasoline, were discharged onto the ground surface, ignited and then extinguished. A portion of the fuel would infiltrate into the ground. Petroleum contamination of soil and groundwater is present over most of the site.

FY93 Actions: The contaminated soils and sludge from the bottom of a lagoon and an underground fuel storage tank were excavated and placed in two bioremediation cells. UAA is presently seeking an environmental contractor to help them bioremediate the contaminated soils in the bioremediation cells and to install and operate an in-situ bioremediation system to remediate contaminated soils which were not excavated, and the contaminated groundwater.

FY93 Expenditures: \$ 1,383.63

Title: Marathon/Trading Bay  
Location: West Foreland Point on the west side of Cook Inlet  
Site ID: 91-2-3-1-053-2  
DEC Region: Southcentral  
Ledger Code: 49563  
Project Manager: Bryson Twidwell, Kenai District Office, Soldotna, 262-5210

Situation: The Marathon/Trading Bay facility has petroleum contaminated soil and groundwater under much of the facility. Dissolved petroleum contaminants in the groundwater are exiting the base of the bluff into Cook Inlet. The petroleum contamination is the result of multiple spills, leaks and past industrial practices that were not cleaned up since the start-up of this facility in the 1960s.

FY93 Actions: This site has many contaminated areas that are being addressed. Multiple site assessments and localized site remediations have taken place during FY93. One site remediation was an excavation of over 11,000 cubic yards to search for and remove buried lead batteries. Five hundred cubic yards of gasoline contaminated soils are presently being bioremediated in a lined treatment cell. Two other spills totalling 500 cubic yards of contaminated soil, one of gas condensate and another of crude oil were excavated and stockpiled where they will be shipped out in the spring to a soil incinerator. The results from the facility-wide site assessment for the summer 1993 work season is scheduled to be delivered to the Department on March 31, 1994. Marathon is currently researching the best technologies available to capture the petroleum contamination leaking from the bluff.

FY93 Expenditures: \$ 9,299.14

Title: Anchorage Clean Sweep  
Location: Willow  
Site ID: N/A  
DEC Region: Southcentral  
Ledger Code: 49179  
Project Manager: Rich Sundet, Southcentral Region, Anchorage, 273-4272

Situation: This case involved a DEC investigation into the improper handling and storage of thirty barrels of sludge material removed from underground waste oil tanks at the Anchorage Clean Sweep facility.

FY93 Actions: An enforcement action was undertaken by Environmental Section of the Alaska Attorney General's Office. As part of the settlement of the enforcement action, Anchorage Clean Sweep properly disposed of the waste at an EPA-permitted facility and paid a civil assessment which included reimbursement of the State's cost.

The case is now closed.

FY93 Expenditures: \$ 2,632.20

Title: Eyak Corporation Violation  
Location: Cordova  
Site ID: 90-2-4-1-095-4  
DEC Region: Southcentral  
Ledger Code: 49437  
Project Managers: Dan Lawn, Valdez Field Office, Valdez, 835-4698  
John Halverson, Southcentral, Anchorage, 563-6529

Situation: This site is the same as the Copper River Railroad site. It was identified when Eyak Corporation was excavating soil in preparation for a construction project near the former Copper River Railroad roundhouse. The contamination was reported and a Ledger Code was established to track Department expenditures. As additional information was developed, it became apparent the main source of contamination appeared to be from the former railroad facility. A new site name, "Copper River Railroad", and ledger code were assigned.

FY93 Actions: See Copper River Railroad site

FY93 Expenditures: \$ 2,899.70

Title: Copper River Railroad  
Location: Cordova  
Site ID: 90-2-4-2-095-4  
DEC Region: Southcentral  
Ledger Code: 49394  
Project Managers: Dan Lawn, Valdez Field Office, Valdez, 835-4698  
John Halverson, Southcentral Region, Anchorage, 563-6529

Situation: In the early 1900s the Copper River and Northwest Railroad was constructed from Cordova to the Kennecott Mines and the Cordova Airport. A roundhouse was built in Cordova for train maintenance. The War Department (now Department of Defense) condemned the land and operated the railroad during the 1940s. It reportedly destroyed the buildings and leveled the site following use of the facilities.

In 1990, heavy petroleum product was identified in soil and groundwater at the former roundhouse site. The contamination was identified during construction activities undertaken by the current land owner. The type and extent of contamination was not known.

FY93 Actions: Staff worked with the Department of Law to identify and contact potential responsible parties (PRPs). Several PRPs, including the Department of Defense, were notified of the contamination and requested to respond. British Petroleum America (BPA) agreed to initiate the initial investigation and submitted a work plan to assess the type and extent of contamination. The work plan was reviewed and approved. A public meeting was held by BPA to discuss the proposed work. The field work was implemented during the summer of 1993.

Additionally, the Corps of Engineers (COE) completed an Inventory Project Report and submitted it to the DOD in order for the site to be approved for funding as a Formerly Used Defense site. The site has been approved and a potential responsible party investigation has been initiated by the COE.

The Department intends to cost recover expenditures incurred during this investigation and any future corrective action.

FY93 Expenditures: \$ 1,256.88

Title: Orca Cannery

Location: Cordova

Site ID: 92-2-4-1-157-1

DEC Region: Southcentral

Ledger Code: 49281

Project Manager: Dan Lawn, Mat-Su District Office, Valdez Field Office, 835-4698

Situation: For many years a fish processing plant operated at the Orca site near Cordova. The cannery was owned by a Canadian company and later by a Chugach Alaska Inc, subsidiary, Chugach Fisheries, Inc. Large scale petroleum contamination occurred at the facility in 1969 and 1977. Residual contamination remains and is leaching into the bay. The site has poorly maintained above ground petroleum storage tanks, a used oil tank, and barrels of potentially hazardous substances stored on-site. Bankruptcy prevented Chugach Fisheries from undertaking corrective action to address the environmental problems and make the property attractive to potential purchasers. The cannery equipment was liquidated to help pay creditors.

FY93 Actions: DEC and Department of Law staff negotiated a Compliance Order by Consent with Chugach Fisheries to enable Chugach Fisheries or the subsequent purchaser to undertake site investigation and cleanup over a period of time. The Compliance Order was signed in October 1993 and the real property subsequently sold to a private party who will take responsibility for corrective action. Because of the timing of the bankruptcy DEC was unable to recover costs.

FY93 Expenditures: \$ 6,484.66

Title: Illinois-Minnie Site  
Location: Railroad Industrial Area, Fairbanks  
Site ID: N/A  
DEC Region: Northern  
Ledger Code: 49103  
Project Managers: Ben Thomas, Fairbanks, 451-2163  
Kalu Kalu, Fairbanks, 451-2181

Situation: The Illinois-Minnie Site is a collection of 15 individual contaminated sites in close juxtaposition that are suspected to be hydraulically connected, and suspected to have a number of co-mingling plumes. The area covers 300 acres of industrial property and includes contamination at bulk tank farms, service stations, shipping companies, a gold processing plant and other commercial operations. Contamination consists of diesel fuel, gasoline and an estimated small amount of solvents.

FY93 Actions: DEC was granted \$200,000 to conduct a comprehensive site assessment, but later negotiated with a newly-formed coalition to allow for a private investigation. The coalition, the Minnie Street Land Users Group (MSLUG) has done an adequate job of developing and implementing an area-wide investigation, a draft copy of which will be available for review.

FY93 Expenditures: \$4,336.8

Title: Nikiski Airstrip  
Location: Nikiski  
Site ID: 89-2-3-9-591-2  
DEC Region: Southcentral  
Ledger Code: 49496  
Project Manager: Don Seagren, Kenai District Office, Soldotna 262-5210

Situation: The property being studied is formerly owned by the State of Alaska. The current owner is the Kenai Peninsula Borough. The Department has designated this as a State lead site due to lack of potentially responsible parties. Access is limited to crossing Offshore Systems-Kenai, Inc. (OSK) property prior to reaching the site. The area investigated is adjacent to an abandoned airstrip west of Nikishka road, near the OSK dock. The investigation focuses on a disposal pit located off the west side of the airstrip.

The site was used as an airstrip during the 1960's through the early 1980's. There were two separate areas adjacent to the airstrip which were used as solid waste disposal sites for many years. In or about 1980, one of the pits was used to dispose of bunker C fuel or other weathered petroleum products. The pits were subsequently covered over.

It was suspected that possible soil and/or groundwater contamination resulted from the improper disposal of the bunker C fuel.

Site remediation that has been completed to date includes removal of the majority of the solid waste and removal of free standing petroleum product using vac-trucks. A portion of the oil and contaminated soil removed from the pit was land-farmed along the airstrip.

FY93 Actions: The following work was accomplished during FY93 to delineate the lateral extent of contamination and obtain the direction of flow of the groundwater. The investigation is designed to evaluate the potential for off-site migration of petroleum contaminants. Four new monitoring wells were installed, for a total of five. Field screening and soil sampling of the four new monitor wells was conducted as they were drilled as well as groundwater sampling of all five monitor wells. Groundwater elevations were surveyed in the monitor wells to obtain groundwater gradient and direction of flow.

Additionally, five 20 foot soil borings were drilled and sampled to further delineate the bunker C disposal pit and determine the limits of any contamination remaining at the site.

FY93 Expenditures: \$6,775.89 An encumbrance of \$112,587.25 was made during FY93.

Title: Manley Hot Springs Gravel Pit  
Location: 3/4 Mile from downtown Manley Hot Springs on Elliot Hwy.  
Site ID: 86-3-1-9-115-1  
DEC Region: Northern  
Ledger Code: 49780  
Project Manager: Benjamin Thomas, Northern District Office, Fairbanks, 451-2163

Situation: Drums of dioxin-contaminated pesticides were dumped and spilled at an old gravel pit sometime in the past. In 1988-89, DEC over-packed the drums and removed some impacted soils, and stored them on-site in a secure trailer.

FY93 Actions: DEC hired two term contractors. One contractor to inventory, transport, and dispose of the drums of dioxin wastes and associated materials. Wastes were shipped to Kansas to the only dioxin-incinerator in the US. The other term contractor conducted a site assessment to determine the amount of residual dioxin contamination at the spill site. Results are pending.

There has never been sufficient evidence to determine who was responsible for the dumping.

FY93 Expenditures: \$ 1,005.87 An encumbrance of \$180,038 was made in FY93.

Title: Unocal Swanson River Investigation  
Location: Swanson River Oil Production Field, Sterling, Alaska.  
Site ID: 93-2-3-1-481-4  
DEC Region: Southcentral  
Ledger Code: 49158  
Project Manager: A. Mark Sienkiewicz, Kenai District Office, 262-5210

Situation: A contingency plan inspection was conducted at the Unocal Swanson River Facility on February 17, 1993. During the inspection, several oil discharges and other alleged violations were documented.

FY93 Actions: DEC investigated the violations and conducted subsequent inspection of the facility to ensure that spills were remediated. Cost recovery will be conducted. Civil action will be referred to the Attorney General's Office.

FY93 Expenditures: \$ 2,563.48

Title: Government Hill

Location: Anchorage

Site ID: N/A

DEC Region: Southcentral

Ledger Code: 49280

Project Manager: Gerry Guay, Air Quality Management, Juneau, 465-5100

Situation: The Government Hill air quality monitoring project was initiated in response to public concern regarding the health effects of ambient emissions of volatile organic compounds (VOC), especially benzene. In FY93 a joint monitoring project between the Municipality of Anchorage and the Department was initiated to conduct VOC sampling of the ambient air in Anchorage with a special focus on the Government Hill community. Delays in contractor procurement and monitoring method development have caused this project to extend through March 1994.

FY93 Actions: The Department continues to take the lead on the project by working with the Municipality's Air Pollution Control Agency and industries located in the vicinity of Government Hill. Preliminary data collected during the Spring of 1993 have detected elevated Benzene levels along the hillside overlooking the Port of Anchorage. Although it is too early to draw firm conclusions, this data does not appear to suggest exposure levels which would pose significant health threats (based on the results of previous studies). A full evaluation will be made at the conclusion of the monitoring project next year.

The Municipality of Anchorage initiated their VOC canister sampling program in April 1993. Their initial results are slightly higher than those detected by the State, but the relative magnitude of the data is consistent. A more comprehensive interpretation of the data will be made once the database becomes larger.

Cost recovery is not being pursued for this project at this time since there is no evidence of a violation.

FY93 Expenditures: \$ 316,401.21. An encumbrance of \$101,867 was made during FY93.

Title: Forward Pad  
Location: Deadhorse  
Site ID: 89-4-9-0-180-1  
DEC Region: Pipeline Corridor  
Ledger Code: 49467  
Project Manager: Mehrdad Nadem, Pipeline Regional Office, Anchorage, 451-2766

Situation: The Forward Pad is a gravel service pad administered by DNR, located adjacent to the drinking water reservoir in Deadhorse. Over 800 drums, tanks, compressed gas cylinders, and containers were abandoned on site. EPA contractors screened the abandoned drums and identified hazardous wastes and hazardous substances. Incompatible substances were improperly stored together. EPA concluded the drums posed an imminent threat to the drinking water supply of Deadhorse.

In April, 1992, a DEC remediation contractor was selected to sample, composite, and dispose of the wastes on site.

FY93 Actions: The contractor mobilized to the site in July, 1993. All containers were sampled, and wastes were consolidated into compatible waste streams for disposal. All wastes were removed from the Forward Pad by September, 1993. All of the wastes were remediated or disposed at an approved hazardous waste facility in Seattle, Washington.

FY93 Expenditures: \$ 164,963.99

Title: Arco, Swanson River  
Location: Kenai  
Site ID: 92-2-3-1-844-9  
DEC Region: Southcentral  
Ledger Code: 49120  
Project Manager: A. Mark Sienkiewicz, Kenai District Office, 262-5210

Situation: This site, the Swanson River facility, involved seven small spills. The spills ranged in size from one gallon to 30 gallons of petroleum product.

FY93 Action: Arco was charged with various failures to clean-up or report the spills. A civil fine was assessed which the responsible party paid. Arco also sent specified employees to a DEC-approved spill reporting and clean-up training class.

FY93 Expenditures: \$ 1,080.70

Title: Skagway Uplands

Location: Skagway

Site ID: 88-1-1-9-299-1

DEC Region: Southeast

Ledger Code: 49603

Project Manager: Randy Rice, Southeast Region, Juneau, 465-5338

Situation: Between 1988 and 1991 several responsible parties and the State conducted an extensive cleanup of soils contaminated with lead and minor amounts of other hazardous constituents. The lead had been spilled during handling of lead ore concentrates. That handling had commenced in 1969 and was ongoing until the summer of 1993.

Some of the responsible parties have participated in the cleanup.

FY93 Actions: The Department of Law has been participating in negotiations with the responsible parties to recover DEC expenditures on the site. Litigation is pending.

FY93 Expenditures: \$ 248.84 An encumbrance of \$5,000 was made during FY93.

Title: All Alaskan

Location: St. Paul

Site ID: 87-2-1-1-078-1

DEC Region: Southcentral

Ledger Code: 49657

Project Manager: Bruce Erickson, Western District Office, Anchorage, 349-7755

Situation: In March 1987 the fish processing vessel All Alaskan went aground on St. Paul Island. It had 141,000 gallons of diesel on board. The owners stated that they had no intention of removing the oil or recovering the vessel. The spill was federalized by the United States Coast Guard and 97,750 gallons were recovered. The vessel remained aground with many hazardous substances on board along with toxic gases from the rotting cargo.

FY93 Action: The insurance company hired a contractor who removed the hazardous materials from the vessel and the vessel itself from the island. Cost recovery is being pursued and should be completed this fiscal year.

FY93 Expenditures: \$ 7,687.54

Title: Kodiak Small Boat Harbor

Location: Kodiak

Site ID: 89-2-5-0-193-1

Ledger Code: 49481

Project Manager: Bruce Erickson, Western District Office, Anchorage, 349-7755

Situation: A return line and underground storage tank serving a generator at Krafts Store leaked and contaminated the small boat harbor in Kodiak. DEC hired a contractor to locate the source of the spill and to maintain the oil recovery operation in the small boat harbor until the source was located.

FY93 Actions: The responsible party, O'Kraft and Son, has signed a Compliance Order and accepted responsibility. Cost recovery has begun under a payment plan negotiated by the Department of Law.

FY93 Expenditures: \$ 17,479.53