A. Overall Summary

Total Number of Spills and Volume Spilled

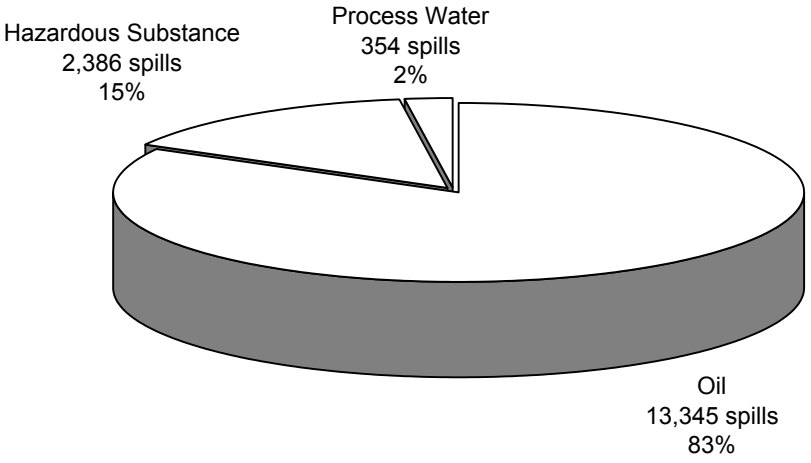
There were no significant trends in the number of spills over this seven-year period. Excluding process water spills, the total quantity of oil and hazardous substances spilled per year averaged approximately 420,000 gallons.

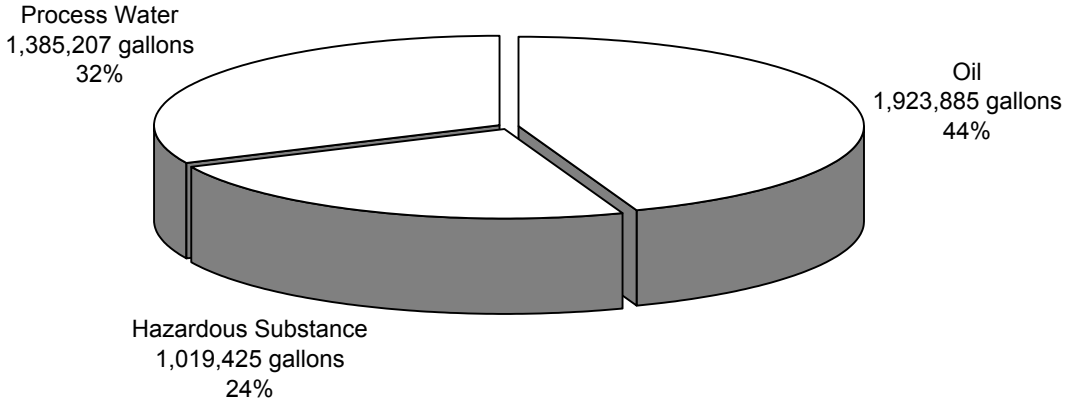
The largest spill during this reporting period occurred on the North Slope on March 17, 1997. A total of 994,000 gallons of process water was spilled (cause undetermined).

Process water accounted for almost 1/3 of the total volume of product spilled.

Number of Spills and Total Volume Spilled

	Oil		Hazardous Substance		Process Water		Total	
Fiscal Year	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*
1996	1,913	211,117	343	55,292	48	28,493	2,304	294,902
1997	1,816	180,116	296	46,995	42	1,014,844	2,154	1,241,955
1998	1,997	286,736	396	279,177	60	86,398	2,453	652,311
1999	2,042	131,079	280	182,792	47	27,050	2,369	340,921
2000	1,961	350,251	311	101,914	54	51,105	2,326	503,270
2001	2,052	197,180	432	312,985	44	114,421	2,528	624,586
2002	1,564	567,406	328	40,270	59	62,896	1,951	670,572
Total	13,345	1,923,885	2,386	1,019,425	354	1,385,207	16,085	4,328,517
Average	1,906	274,841	341	145,632	51	197,887	2,298	618,360

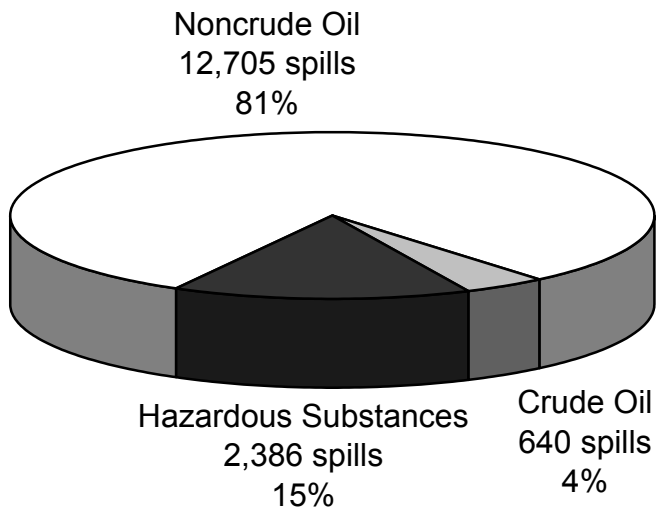




Spills by Product *(excluding Process Water)*

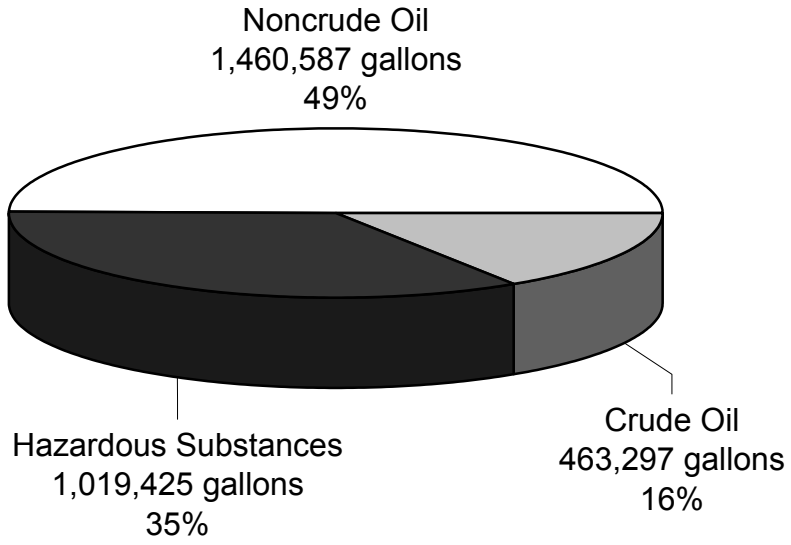
	Product					
	Crude Oil		Hazardous Substances		Noncrude Oil	
FY	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*
1996	99	50,750	343	55,292	1,814	160,367
1997	108	18,873	296	46,995	1,708	161,243
1998	116	9,905	396	279,177	1,881	276,831
1999	81	12,770	280	182,792	1,961	118,309
2000	92	3,156	311	101,914	1,869	347,095
2001	80	73,625	432	312,985	1,972	123,555
2002	64	294,218	328	40,270	1,500	273,187
Total	640	463,297	2,386	1,019,425	12,705	1,460,587

Number of Spills by Product



- Crude Oil: No significant trends.
- An average of 92 crude oil spills per year, with an average of approximately 722 gallons spilled per incident.
- Noncrude Oil: No significant trends.
- Noncrude Oil: An average of 1,815 spills per year, with an average spill volume of 115 gallons per incident.
- Noncrude oil spills accounted for almost half of the total volume spilled in Alaska.
- All Hazardous Substances: No significant trends. An average of 341 spills per year, with an average spill volume per incident of 427 gallons. "Other" and Ethylene Glycol spills made up approximately 66% of the spills.

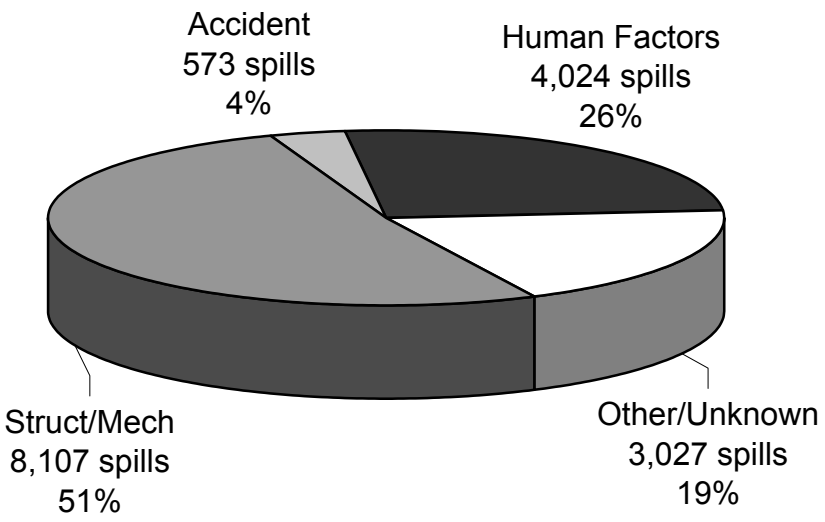
Gallons Spilled by Product



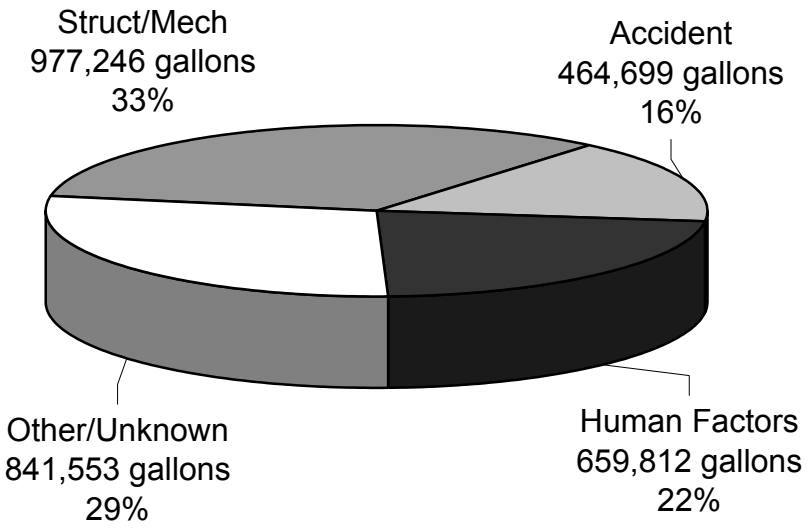
Spills by Cause *(excluding Process Water)*

	Cause							
	Accident		Human Factors		Other/Unknown		Struct/Mech	
FY	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*
1996	87	35,092	663	71,973	451	22,737	1,055	136,607
1997	62	7,172	671	59,012	384	43,970	995	116,957
1998	103	63,478	663	43,136	340	319,619	1,287	139,680
1999	86	24,590	649	34,989	476	158,287	1,111	96,005
2000	77	139,497	536	35,219	463	165,295	1,196	112,154
2001	94	168,140	447	33,267	613	118,392	1,330	190,366
2002	64	26,730	395	382,216	300	13,253	1,133	185,477
Total	573	464,699	4,024	659,812	3,027	841,553	8,107	977,246

Number of Spills by Cause



Gallons Spilled by Cause

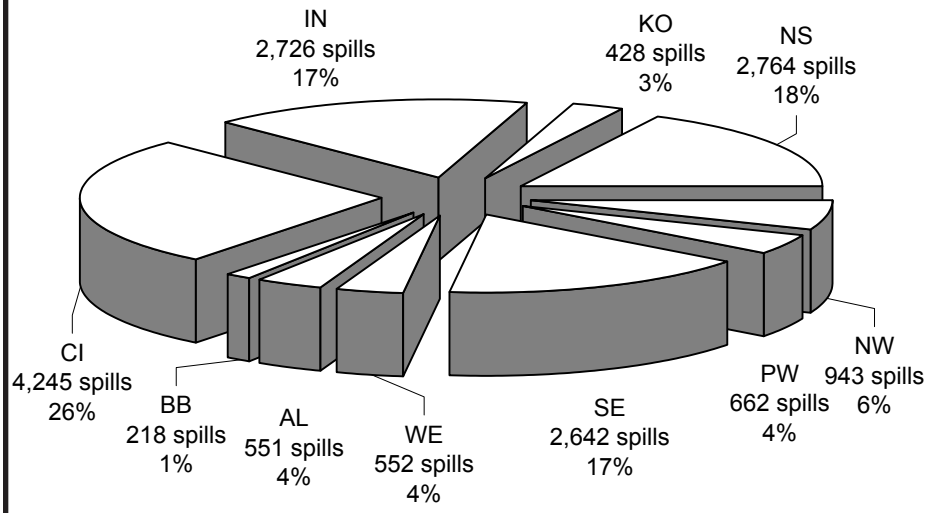


- Structural/Mechanical causes accounted for over 50% of the total spills over this seven-year period, with an average of 121 gallons per spill.
- Spills caused by "Accidents" were largest in volume, averaging 810 gallons per spill.
- Largest Spill from a Structural/ Mechanical cause: 100,000 gallons of jet fuel jettisoned from a military aircraft (June 23, 2002, Interior Alaska)
- Largest Spill caused by an Accident: 220,000 pounds of Urea (January 1997, Cook Inlet)
- Largest Spill caused by Human Factors: 285,600 gallons of crude oil (TAPS pipeline, October 2001, Interior Alaska)

Spills by Subarea *(excluding Process Water)*

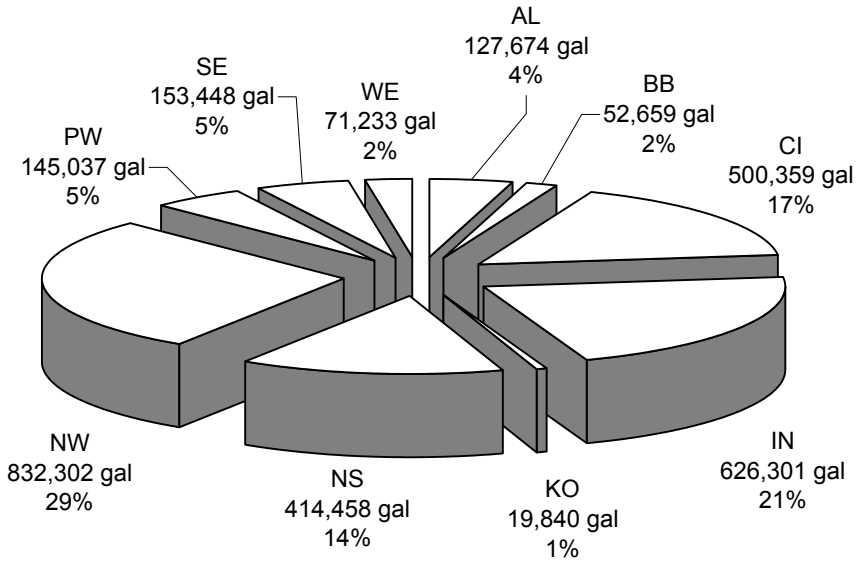
Subarea	Cumulative Total (FY96-02) Number of Spills	Gallons Released
Aleutian (AL)	551	127,674
Bristol Bay (BB)	218	52,659
Cook Inlet (CI)	4,245	500,359
Interior Alaska (IN)	2,726	626,301
Kodiak Island (KO)	428	19,840
North Slope (NS)	2,764	414,458
Northwest Arctic (NW)	943	832,302
Prince William Sound (PW)	662	145,037
Southeast Alaska (SE)	2,642	153,448
Western Alaska (WE)	552	71,233
Total	15,731	2,943,310

Number of Spills by Subarea



- The greatest number of spills occurred in the Cook Inlet subarea (26%)
- The more highly populated or industrialized subareas experienced more spills than other subareas.
- Although only 6% of the total spills reported statewide occurred in the Northwest Arctic subarea, this subarea averaged the highest (29%) volume spilled at 883 gallons per incident.

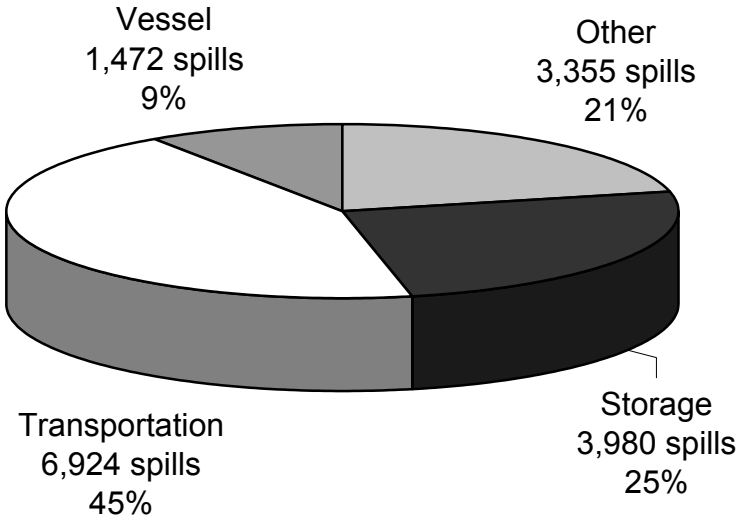
Gallons Spilled by Subarea



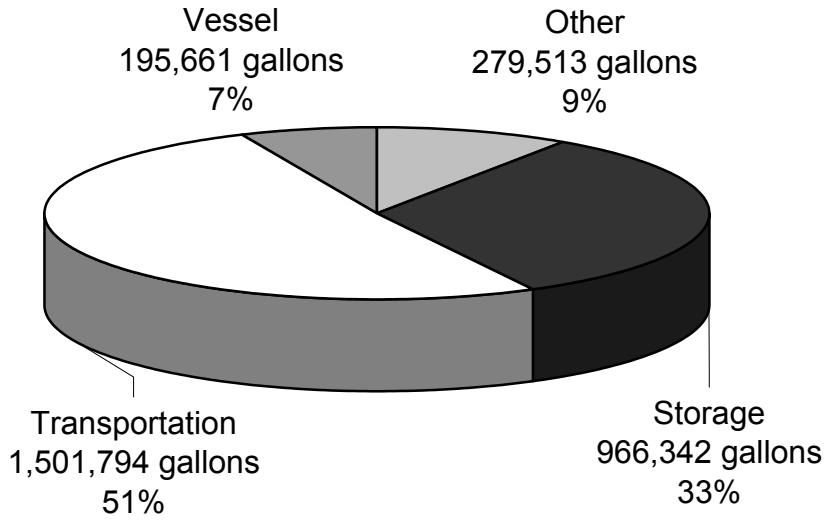
Spills by Facility Type *(excluding Process Water)*

	Facility							
	Other		Storage		Transportation		Vessel	
FY	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*
1996	551	40,986	499	75,583	981	108,498	225	41,342
1997	475	31,795	480	95,288	915	81,999	242	18,029
1998	482	49,196	463	298,370	1,182	167,708	266	50,639
1999	491	21,744	524	205,771	1,001	70,099	306	16,257
2000	470	54,891	567	145,506	1,052	240,019	183	11,749
2001	570	49,518	724	77,116	1,045	369,144	145	14,387
2002	316	31,383	723	68,708	748	464,327	105	43,258
Total	3,355	279,513	3,980	966,342	6,924	1,501,794	1,472	195,661

Number of Spills by Facility Type



Gallons Spilled by Facility Type

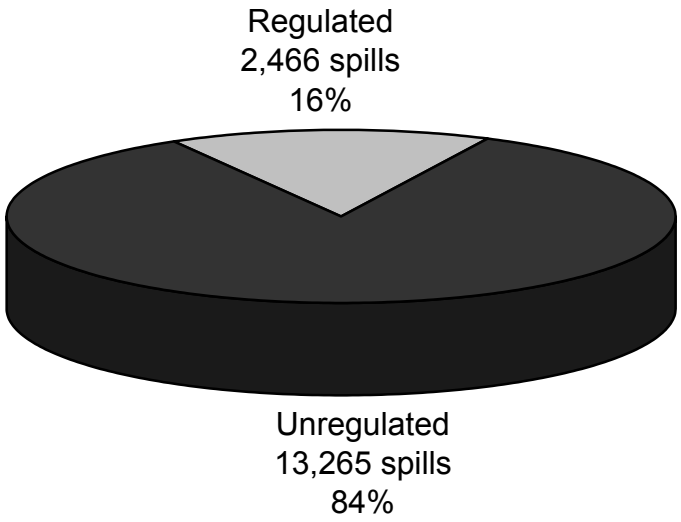


- No noticeable trends.
- Vessels accounted for the least number (9%) of spills and the least amount of product spilled (7%, or approximately 133 gallons per incident)
- Transportation was the single largest source for spills, with an average of 217 gallons per incident.
- Largest Spill from a Vessel: 220,000 pounds of Urea (January 1997, Cook Inlet)
- Largest Spill from a Storage Tank: 200,000 gallons of magnesium oxide (mining operation, May 1998, Northwest Arctic)
- Largest Spill from Transportation: 285,600 gallons (crude oil, TAPS pipeline, October 2001, Interior Alaska)

Regulated and Unregulated Facilities *(excluding Process Water)*

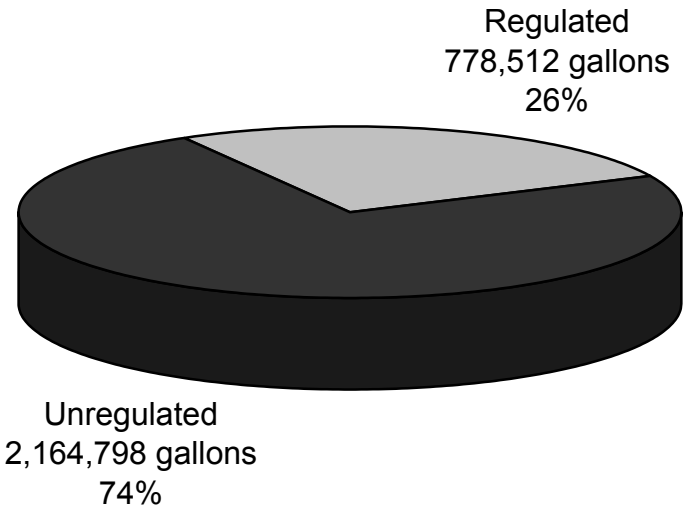
	Regulated		Unregulated	
Fiscal Year	Total Spills	Quantity (gallons)	Total Spills	Quantity (gallons)
1996	319	70,797	1,937	195,612
1997	368	79,737	1,744	147,374
1998	487	46,992	1,906	518,921
1999	313	43,875	2,009	269,996
2000	286	61,100	1,986	391,065
2001	280	147,953	2,204	362,212
2002	413	328,058	1,479	279,618
Total	2,466	778,512	13,265	2,164,798
Average	352	111,216	1,895	309,257

Number of Spills from Regulated and Unregulated Facilities



- Each year, an average of 352 spills (16%) and 111,216 gallons (28%) of oil and hazardous substances (excluding process water) occur from facilities regulated by the State.
- Spills from unregulated facilities were five times more frequent than spills at regulated facilities.

Gallons Spilled from Regulated and Unregulated Facilities

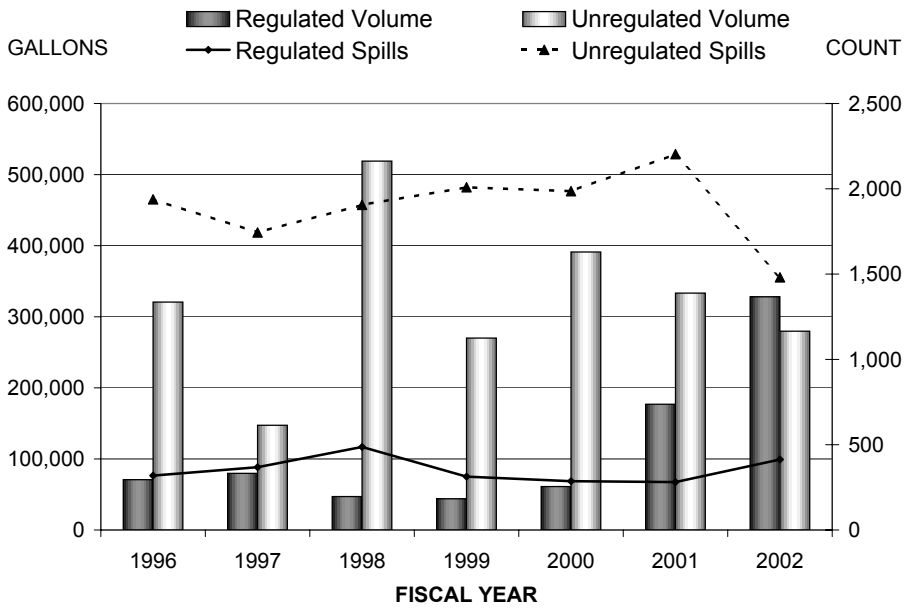


- The total volume of oil and hazardous substances spilled from unregulated facilities was nearly three times the amount spilled from regulated facilities.

B. Regulated vs. Unregulated Facilities

- The following tables and charts provide a comparative summary of spills from regulated versus unregulated activities in the State of Alaska. As previously stated in this report, these statistics do not include spills reported in pounds, potential spills or process water spills.

	Regulated		Unregulated	
Fiscal Year	Total Spills	Quantity (gallons)	Total Spills	Quantity (gallons)
1996	319	70,797	1,937	195,612
1997	368	79,737	1,744	147,374
1998	487	46,992	1,906	518,921
1999	313	43,875	2,009	269,996
2000	286	61,100	1,986	391,065
2001	280	147,953	2,204	362,212
2002	413	328,058	1,479	279,618
Total	2,466	778,512	13,265	2,164,798
Average	352	111,216	1,895	309,257



- Spills from regulated activities are fairly constant in terms of average per year. The same general conclusion can be applied to the average number of spills from unregulated activities.
- The most prominent conclusion to be discerned from the data is that spills from regulated activities occur much less frequently (16%) than spills from unregulated activities (84%).
- The total volume of product spilled from unregulated activities (2,164,798 gallons) far exceeds the total volume (778,512 gallons) from regulated activities. With the exception of fiscal year 2002, the spill volume from unregulated facilities exceeded that from regulated facilities. The average spill volume per spill incident for regulated facilities was 316 gallons as compared to 163 gallons for unregulated facilities.

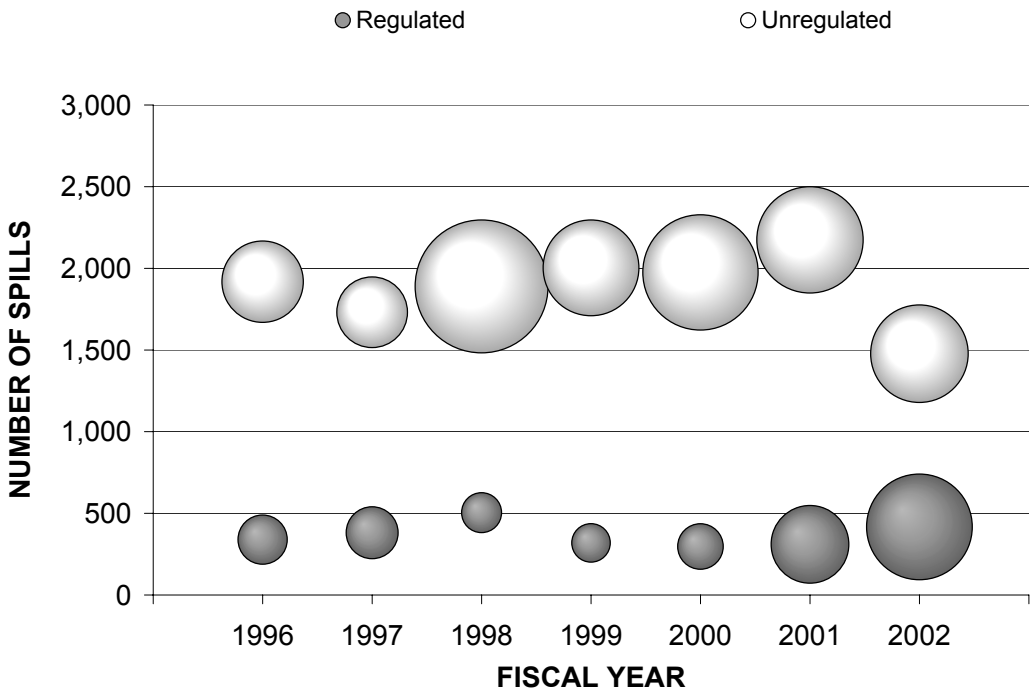
Unregulated Activities

- Spills from vehicles (includes passenger vehicles, commercial vehicles, tanker trucks, etc.) were the most common in terms of frequency with an average of 567 spills per year (for an average of 86 gallons per incident). The daily average for vehicle spills is 1.6 per day and 130 gallons per day. Accidents are the leading cause of vehicle spills.
- Gas station spills averaged 212 per year with 20 gallons per incident. Structural/Mechanical and Human Factors are the primary cause of spills at gas stations.
- Spills from vessels average 190 per year with a loss of 136 gallons per incident statewide. Accidents and Human Factors are the primary cause of vessel spills.

- Air transportation averaged 144 spills per year with 179 gallons per incident.
- Log Processing averaged 11 spills per year with 1,681 gallons per incident.
- Railroad Operations averaged 15 spills per year with 1,517 gallons per incident.
- Mining Operations averaged 68 spills per year with 903 gallons per incident.
- Transmission pipelines (unregulated piping systems) averaged 24 spills per year with 832 gallons per incident
- Spills at private residences averaged 86 spills per year with 116 gallons per incident. Home heating oil systems are the primary source of private residence spills.
- Power generation facilities averaged 23 spills per year with 257 gallons per incident.

Regulated Activities

- Amongst the regulated activities, "Oil Exploration and Production" facilities accounted for approximately 57% of the total number of spills, and approximately 29% of the total volume spilled.
- Refinery operations (15%) and transmission pipelines (15%) were the next two highest in terms of total spill count.
- Spills from regulated transmission pipelines averaged 1,260 gallons per incident, although the TAPS bullet hole incident accounted for 285,600 gallons (or roughly 61%) of the total volume spilled over this seven-year period.
- Tanker vessel spills constituted only 2% of the total number of incidents, and averaged 19 gallons per spill.
- Oil Terminal spills constituted 8% of the total number of incidents, and 6% of the total volume.



This bubble graph illustrates the number and total volume of spills reported from regulated and unregulated facilities. The size of the bubble is proportional to the total volume spilled for a given fiscal year. The vertical position of the bubble indicates the number of spills for the fiscal year.

Spills from Unregulated Facilities

	1996		1997		1998		1999		2000		2001		2002		Cumulative Total	
FacilityType	count	gallons	count	gallons	count	gallons	count	gallons	count	gallons	count	gallons	count	gallons	count	gallons
Air Transportation	170	7,102	143	13,959	189	3,982	159	7,081	138	7,767	100	15,595	113	125,694	1,012	181,180
Cannery	18	12,031	13	1,220	14	3,718	17	2,089	11	2,992	3	33	7	1,667	83	23,750
Drug Lab	1	1			2	6									3	7
Farm/Aquaculture													1	1	1	1
Gas Station	201	4,223	149	2,587	81	3,756	141	3,004	263	3,058	446	11,628	203	1,293	1,484	29,549
Harbor/Port	2	31	1	20	2	16	7	31	1	10	2	35	20	92	35	235
Landfill/Dump													7	268	7	268
Laundry Service	3	550			1	1,500	3	445	3	1,164			1	30	11	3,689
Log Processing	12	125,915	38	8,336	2	20	5	104	1	20	4	33	18	84	80	134,512
Logging Operation	2	35	2	80			1	5	1	5	7	368	41	215	54	708
Maintenance Yard/Shop	3	185	1	20	6	106	5	442	3	59	2	50	26	3,360	46	4,222
Mining Operation	20	11,439	39	2,457	78	248,381	54	124,342	35	9,486	39	27,854	217	11,471	482	435,430
Oil Terminal Facility	47	24,083	56	43,294	64	28,065	52	35,416	54	94,808	50	9,440	27	7,214	350	242,320
Other	317	26,277	283	27,728	293	34,551	301	16,380	266	45,411	345	30,678	210	29,972	2,015	210,997
Power Generation	20	7,350	28	5,981	25	3,474	27	3,791	31	12,863	6	875	23	6,853	160	41,187
Railroad Operation	12	221	12	1,256	21	353	26	1,439	14	155,292	6	1,735	16	2,058	107	162,354
Refinery Operation	8	903	7	85	9	271	5	6,804	1	150			4	696	34	8,909
Residence	71	9,230	74	8,917	55	6,231	103	11,786	100	11,908	118	13,871	85	8,372	606	70,315
Salvage/Wrecking Yard													1	1	1	1
School	2	105			2	115	2	50	5	556	1	10	16	5,855	28	6,691
Telecommunications							2	371	1	10			1	5	4	386
Transmission Pipeline	47	11,756	26	2,266	14	100,849	22	11,005	19	5,697	23	5,515	15	1,033	166	138,121
Unknown	209	4,120	153	2,636	150	3,970	172	2,800	187	3,182	201	18,617	91	1,068	1,163	36,393
Vehicle	570	33,610	497	16,662	658	29,781	626	26,881	670	23,551	712	183,458	236	28,093	3,969	342,036
Vessel	200	40,925	220	9,160	236	49,414	276	15,314	168	11,401	134	11,362	98	43,199	1,332	180,775
Water/Wastewater Facility	3	520	2	710	4	362	3	416	14	1,675	4	2,055	4	1,111	34	6,849
Total	1,938	320,612	1,744	147,374	1,906	518,921	2,009	269,996	1,986	391,065	2,203	333,212	1,481	279,703	13,267	2,260,883

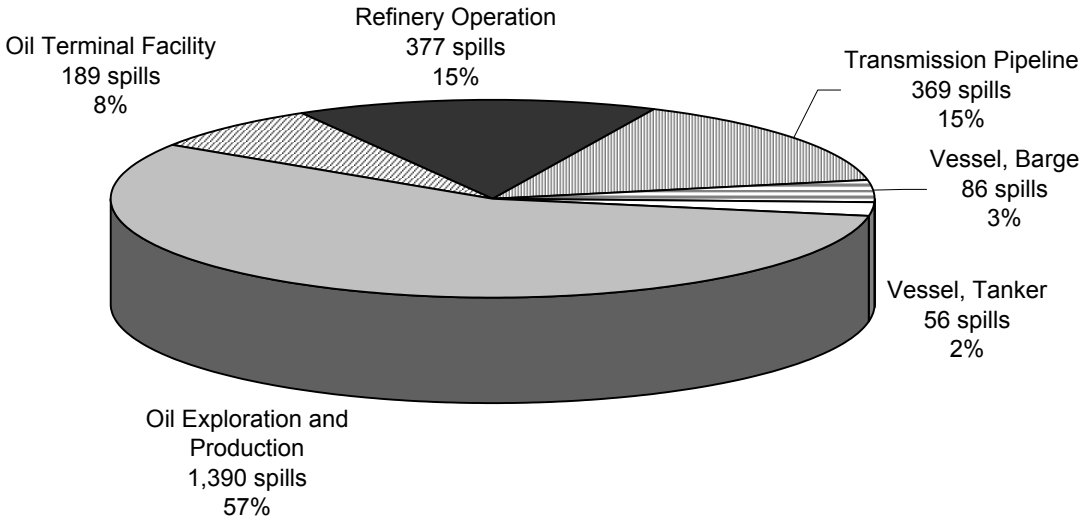
Spills from Regulated Facilities by Facility Type

The data below excludes process water spills, spills reported in pounds and potential spills

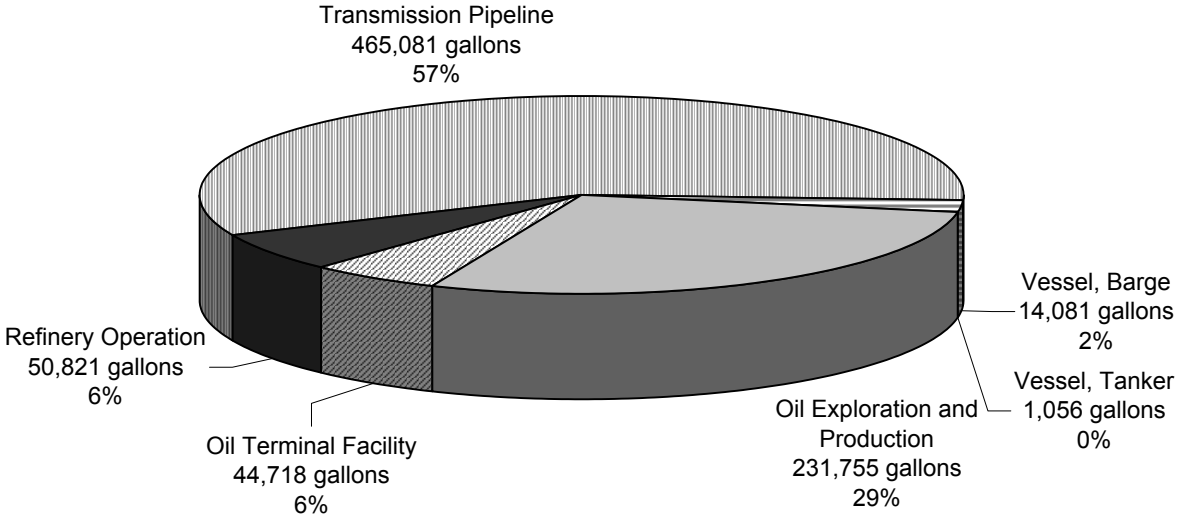
	Fiscal Year															
	1996		1997		1998		1999		2000		2001		2002		Cumulative Total	
Facility Type	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*
Oil Exploration and Production	136	17,937	195	39,903	262	28,294	113	14,104	187	45,667	170	65,321	327	20,529	1,390	231,755
Oil Terminal Facility	19	4,333	20	4,776	32	827	51	12,367	22	2,495	23	6,687	22	13,233	189	44,718
Refinery Operation	74	9,683	62	17,325	98	3,594	59	4,354	28	4,291	27	4,239	29	7,335	377	50,821
Transmission Pipeline	65	38,427	69	8,864	65	13,052	59	11,857	34	8,299	50	97,681	27	286,901	369	465,081
Vessel, Barge	13	355	15	8,860	18	1,185	17	468	11	143	8	3,013	4	57	86	14,081
Vessel, Tanker	12	62	7	9	12	40	14	725	4	205	3	12	4	3	56	1,056
Total	319	70,797	368	79,737	487	46,992	313	43,875	286	61,100	281	176,953	413	328,058	2,467	807,512

Spills from Regulated Facilities by Facility Type *(excluding Process Water)*

Number of Spills by Regulated Facility Type



Gallons Spilled by Regulated Facility Type



Spills from Regulated Facilities -- Other Causes

	FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		Cumulative Total	
Facility	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*
Oil Exploration and Production (OE&P)	35	1,024	40	6,059	29	7,699	23	2,869	36	37,089	45	39,433	42	2,232	250	96,405
Oil Terminal Facility (TERM)	3	62	5	354	1	1	8	95	5	21	11	944	1	20	34	1,497
Refinery Operation (REF)	11	352	9	909	8	318	10	591	5	3,537	8	1,373	3	255	54	7,335
Transmission Pipeline (PIPE)	15	714	16	235	15	81	13	7,328	12	2,706	9	11,599	4	436	84	23,099
Vessel, Barge (BAR)	5	54	1	10			1	1	1	2	4	3,004			12	3,071
Vessel, Tanker (TANK)	4	4			4	4	4	272	1	1	1	1	2	2	16	284
Total	73	2,210	71	7,567	57	8,103	59	11,156	60	43,356	78	56,354	52	2,945	450	131,691

Spills from Regulated Facilities -- Human Factors Causes

	FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		Cumulative Total	
Facility	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*
Oil Exploration and Production (OE&P)	28	6,320	48	2,408	52	5,148	30	2,181	36	2,180	26	2,546	62	6,149	282	26,932
Oil Terminal Facility (TERM)	8	3,941	5	2,780	10	404	13	10,283	4	1,182	3	1,708	4	212	47	20,510
Refinery Operation (REF)	16	7,262	8	923	25	962	13	77	2	16	9	1,763	9	2,105	82	13,108
Transmission Pipeline (PIPE)	9	777	13	332	8	814	3	49	8	263	4	242	2	285,603	47	288,080
Vessel, Barge (BAR)	2	12	4	186	9	133	8	400	2	76	1	1	1	1	27	809
Vessel, Tanker (TANK)	1	1	2	4	3	3	3	3	2	201					11	212
Total	64	18,313	80	6,633	107	7,464	70	12,993	54	3,918	43	6,260	78	294,070	496	349,651

Spills from Regulated Facilities -- Structural/Mechanical Causes

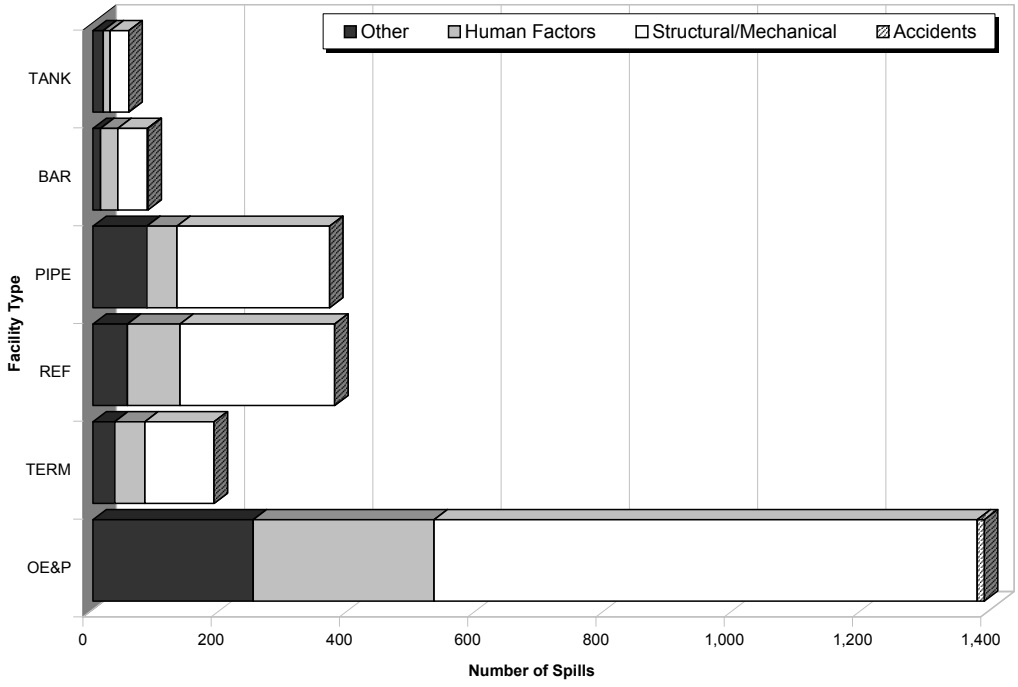
	FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		Cumulative Total	
Facility	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*
Oil Exploration and Production (OE&P)	73	10,593	107	31,436	178	15,406	59	9,052	115	6,398	99	23,342	216	11,491	847	107,718
Oil Terminal Facility (TERM)	8	330	10	1,642	21	422	30	1,989	13	1,292	9	4,035	17	13,001	108	22,711
Refinery Operation (REF)	47	2,069	45	15,493	65	2,314	36	3,686	21	738	10	1,103	17	4,975	241	30,378
Transmission Pipeline (PIPE)	41	36,936	40	8,297	42	12,157	43	4,480	14	5,330	37	85,840	21	862	238	153,902
Vessel, Barge (BAR)	6	289	10	8,664	9	1,052	7	66	8	65	3	8	3	56	46	10,200
Vessel, Tanker (TANK)	7	57	5	5	5	33	7	450	1	3	2	11	2	1	29	560
Total	182	50,274	217	65,537	320	31,384	182	19,723	172	13,826	160	114,339	276	30,386	1,509	325,469

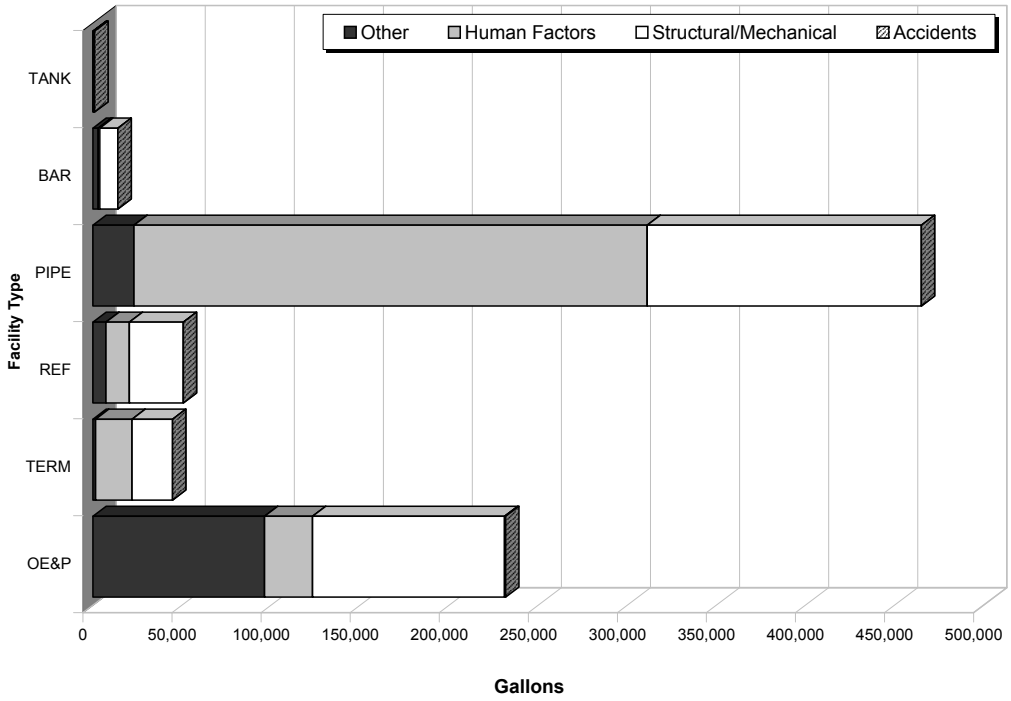
Spills from Regulated Facilities -- Accidents

	FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		Cumulative Total	
Facility	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*
Oil Exploration and Production (OE&P)					3	41	1	2	7	657					11	700
Oil Terminal Facility (TERM)															0	0
Refinery Operation (REF)															0	0
Transmission Pipeline (PIPE)															0	0
Vessel, Barge (BAR)							1	1							1	1
Vessel, Tanker (TANK)															0	0
Total	0	0	0	0	3	41	2	3	7	657	0	0	0	0	12	701

Total	2,467	807,512

Spills from Regulated Facilities by Cause *(excluding Process Water)*





Spills from Regulated Facilities -- <10 gallons

	FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		Cumulative Total	
Facility	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*
Oil Exploration and Production (OE&P)	71	190	98	309	137	380	56	156	114	312	81	278	183	477	740	2,102
Oil Terminal Facility (TERM)	12	36	7	21	19	50	29	77	13	25	10	29	16	48	106	286
Refinery Operation (REF)	35	73	24	61	49	141	28	96	7	14	10	33	12	53	165	471
Transmission Pipeline (PIPE)	31	98	43	103	33	74	31	95	15	48	11	34	12	23	176	475
Vessel, Barge (BAR)	8	10	6	15	6	11	10	18	8	13	7	13	2	2	47	82
Vessel, Tanker (TANK)	10	10	7	9	10	10	10	15	3	5	2	2	4	3	46	54
Total	167	417	185	518	254	666	164	457	160	417	121	389	229	606	1,280	3,470

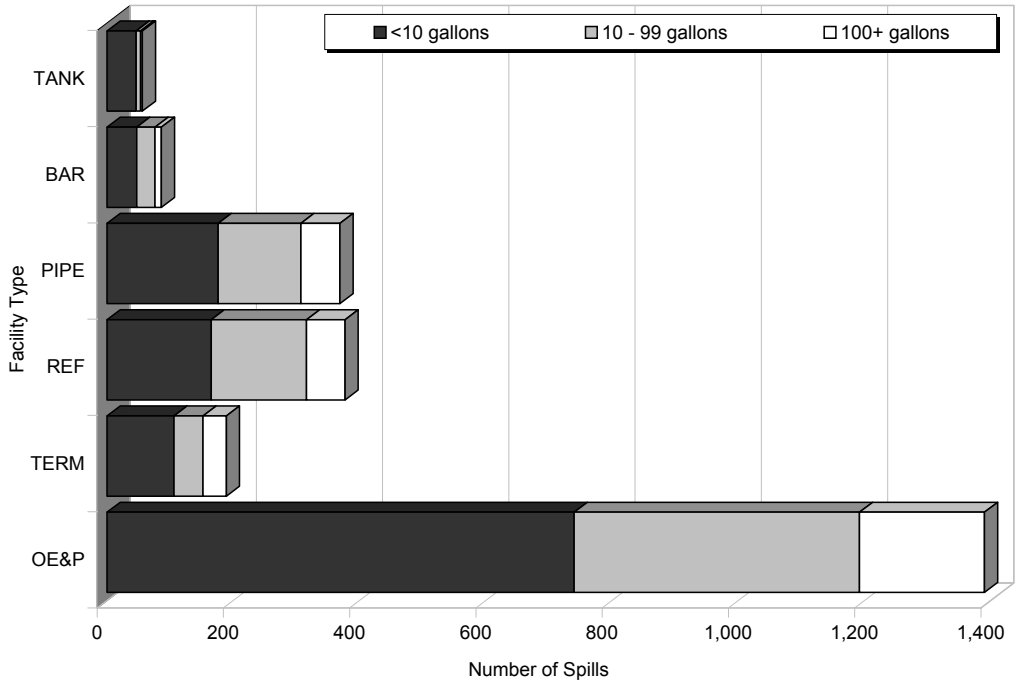
Spills from Regulated Facilities -- 10 to 99 gallons

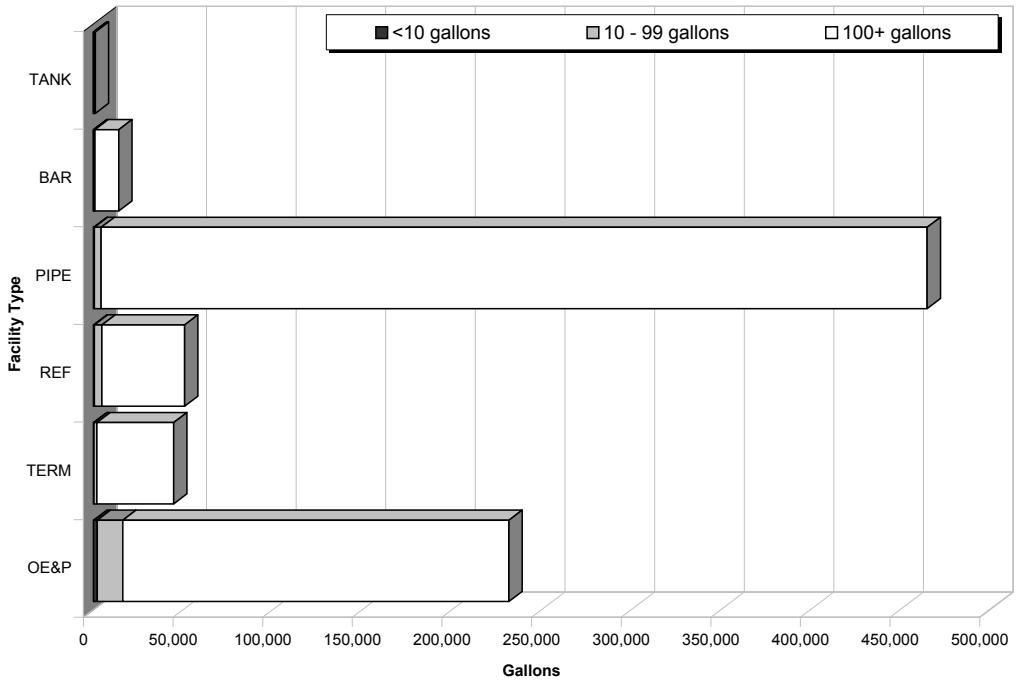
	FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		Cumulative Total	
Facility	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*
Oil Exploration and Production (OE&P)	50	1,626	67	2,229	86	2,712	39	940	48	1,517	64	2,065	98	3,148	452	14,237
Oil Terminal Facility (TERM)	3	165	7	215	10	427	12	369	7	270	5	162	2	60	46	1,668
Refinery Operation (REF)	29	790	25	650	38	1,247	24	570	17	477	8	198	10	315	151	4,247
Transmission Pipeline (PIPE)	21	615	19	615	21	515	19	577	13	402	27	897	11	208	131	3,829
Vessel, Barge (BAR)	4	95	6	95	9	229	5	140	3	130			2	55	29	744
Vessel, Tanker (TANK)	2	52			2	30	2	40			1	10			7	132
Total	109	3,343	124	3,804	166	5,160	101	2,636	88	2,796	105	3,332	123	3,786	816	24,857

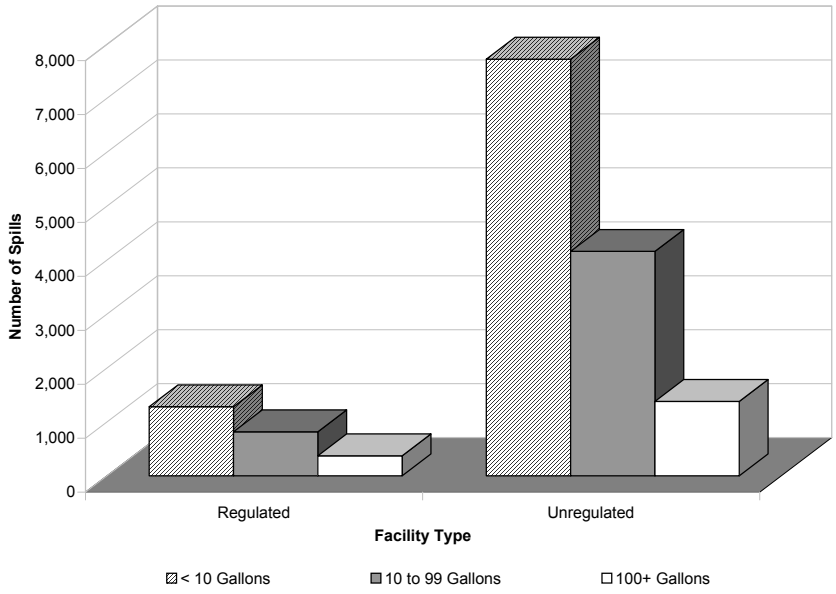
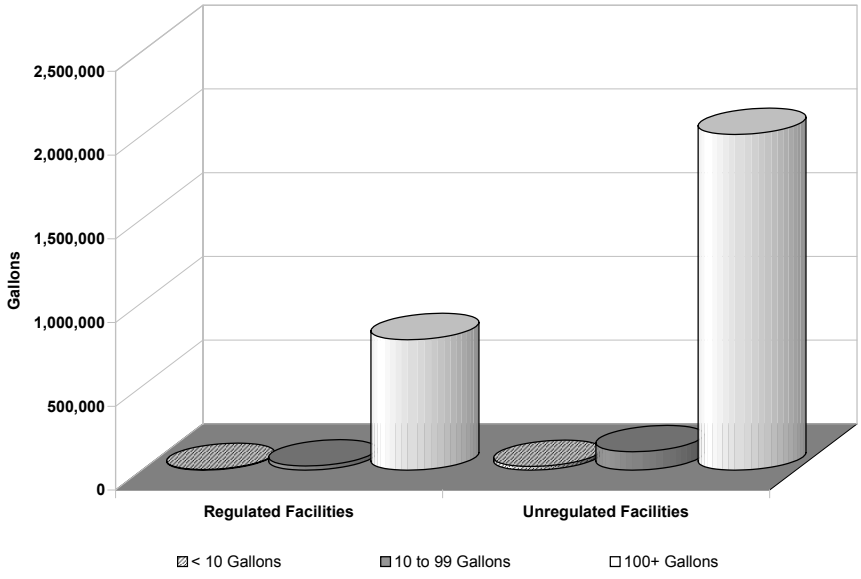
Spills from Regulated Facilities -- 100 gallons or more

	FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		Cumulative Total	
Facility	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*
Oil Exploration and Production (OE&P)	15	16,121	30	37,365	39	25,202	18	13,008	25	43,838	25	62,978	46	16,904	198	215,416
Oil Terminal Facility (TERM)	4	4,132	6	4,540	3	350	10	11,921	2	2,200	8	6,496	4	13,125	37	42,764
Refinery Operation (REF)	10	8,820	13	16,614	11	2,206	7	3,688	4	3,800	9	4,008	7	6,967	61	46,103
Transmission Pipeline (PIPE)	13	37,714	7	8,146	11	12,463	9	11,185	6	7,849	12	96,750	4	286,670	62	460,777
Vessel, Barge (BAR)	1	250	3	8,750	3	945	2	310			1	3,000			10	13,255
Vessel, Tanker (TANK)							2	670	1	200					3	870
Total	43	67,037	59	75,415	67	41,166	48	40,782	38	57,887	55	173,232	61	323,666	371	779,185

Spills from Regulated Facilities by Size Class *(excluding Process Water)*





Spill Size -- Regulated vs. Unregulated *(excluding Process Water)*

	< 10 Gallons				10 to 99 Gallons				100+ Gallons			
	Regulated		Unregulated		Regulated		Unregulated		Regulated		Unregulated	
Fiscal Year	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*	*count*	*gallons*
1996	167	417	1,130	3,045	109	3,343	614	15,931	43	67,037	193	176,636
1997	185	518	962	2,813	124	3,804	576	14,893	59	75,415	206	129,668
1998	254	666	1,071	2,983	166	5,160	656	16,781	67	41,166	179	499,157
1999	164	457	1,182	3,337	101	2,636	612	16,543	48	40,782	215	250,116
2000	160	417	1,172	3,275	88	2,796	598	16,587	38	57,887	216	371,203
2001	121	389	1,360	3,922	105	3,332	639	17,253	55	173,232	204	312,037
2002	229	606	847	2,346	123	3,786	465	11,843	61	323,666	167	265,428
Total	1,280	3,470	7,724	21,721	816	24,857	4,160	109,831	371	779,185	1,380	2,004,245
Average	183	496	1,103	3,103	117	3,551	594	15,690	53	111,312	197	286,321