

Table 2-1: Summary of 1998 air toxics emissions from point, area, and mobile sources.

Pollutant Name	Cas No.	Emissions (lb)					Percent (%)			
		Point	Area	Onroad	Nonroad	Total	Point	Area	Onroad	Nonroad
<b>PAHs</b>										
Acenaphthene	83329	91	60,863	0	2	60,955	0.15	99.85	0.00	0.00
Acenaphthylene	208968	572	760,311	0	0	760,883	0.08	99.92	0.00	0.00
Anthracene	120127	12,921	75,620	19	209	88,769	14.56	85.19	0.02	0.23
Benz(a)anthracene	56553	24,399	125,167	176	2,401	152,143	16.04	82.27	0.12	1.58
Benzo(ghi)perylene	191242	51	50,244	376	4,687	55,358	0.09	90.76	0.68	8.47
Benzo(a)pyrene	50328	51,515	32,387	144	1,449	85,495	60.25	37.88	0.17	1.70
Benzo(b)fluoranthene	205992	39	34,312	201	1,235	35,787	0.11	95.88	0.56	3.45
Benzo(k)fluoranthene	207089	10	12,811	153	1,321	14,295	0.07	89.62	1.07	9.24
Chrysene	218019	36,441	77,853	1,695	1,820	117,810	30.93	66.08	1.44	1.55
Dibenz(a,h)anthracene	53703	19	18,993	25	248	19,285	0.10	98.49	0.13	1.28
Fluoranthene	206440	65,863	101,558	198	1,637	169,256	38.91	60.00	0.12	0.97
Fluorene	86737	259	115,875	0	0	116,134	0.22	99.78	0.00	0.00
Indeno(1,2,3-cd)pyrene	193395	16	62,583	32	247	62,877	0.02	99.53	0.05	0.39
Naphthalene	91203	955,622	9,783,983	5,908,427	57,969	16,706,002	5.72	58.57	35.37	0.35
Phenanthrene	85018	5,745	1,829,872	109	800	1,836,527	0.31	99.64	0.01	0.04
Pyrene	129000	2,320	106,323	250	1,069	109,962	2.11	96.69	0.23	0.97
<b>Total PAHs</b>		<b>1,155,884</b>	<b>13,248,756</b>	<b>5,911,806</b>	<b>75,094</b>	<b>20,391,539</b>	<b>5.67</b>	<b>64.97</b>	<b>28.99</b>	<b>0.37</b>
<b>Non-Metal Compounds (Excluding PAHs)</b>										
Acetaldehyde	75070	1,370,828	110,769	16,674,287	16,626,482	34,782,367	3.94	0.32	47.94	47.80
Acrolein	67641	143,629	392,072	2,341,040	1,186,972	4,063,713	3.53	9.65	57.61	29.21
Acrylamide	107028	1,399	0	0	0	1,399	100.00	0.00	0.00	0.00
Acrylonitrile	107131	443,723	62,116	0	0	505,839	87.72	12.28	0.00	0.00
Atrazine	1912249	690	6,038,797	0	0	6,039,487	0.01	99.99	0.00	0.00
Benzene	71432	4,132,655	36,832,964	94,390,169	34,183,944	169,539,732	2.44	21.73	55.67	20.16
1,3-Butadiene	106990	368,074	44,630	12,268,021	4,742,466	17,423,191	2.11	0.26	70.41	27.22
Carbon tetrachloride	56235	53,858	40,063	0	0	93,921	57.34	42.66	0.00	0.00
Chlordane	57749	1	0	0	0	1	100.00	0.00	0.00	0.00
Chloroform	67663	617,773	253,960	0	0	871,733	70.87	29.13	0.00	0.00
Coke oven emissions		2,031,641	0	0	0	2,031,641	100.00	0.00	0.00	0.00
Diethylhexyl phthalate (DEHP)	117817	56,927	9	0	0	56,936	99.98	0.02	0.00	0.00
Di-n-butyl phthalate	84742	13,389	432,655	0	0	446,043	3.00	97.00	0.00	0.00
Di-n-octyl phthalate	117840	11,343	1	0	0	11,344	99.99	0.01	0.00	0.00

Table 2-1: Summary of 1998 air toxics emissions from point, area, and mobile sources (continued).

Pollutant Name	Cas No.	Emissions (lb)					Percent (%)			
		Point	Area	Onroad	Nonroad	Total	Point	Area	Onroad	Nonroad
<b>Non-Metal Compounds (Excluding PAHs) (continued)</b>										
Ethylbenzene	100414	4,032,230	8,213,398	42,343,650	20,839,518	75,428,796	5.35	10.89	56.14	27.63
Ethylene dibromide (Dibromoethane)	106934	1,247	45,103	0	0	46,350	2.69	97.31	0.00	0.00
Ethylene dichloride (1,2-Dichloroethane)	107062	76,374	25,447	0	0	101,821	75.01	24.99	0.00	0.00
Ethylene oxide	75218	251,769	1,146,157	0	0	1,397,926	18.01	81.99	0.00	0.00
Formaldehyde	50000	7,523,051	2,105,765	43,340,281	36,333,120	89,302,217	8.42	2.36	48.53	40.69
Glycol ethers		8,933,593	12,820,433	0	0	21,754,025	41.07	58.93	0.00	0.00
Heptachlor	76448	1	0	0	0	1	100.00	0.00	0.00	0.00
Hexachlorobenzene	118741	0.07	1.60	0.00	0.00	2	4.48	95.52	0.00	0.00
Hexachlorobutadiene	87683	47	0	0	0	47	100.00	0.00	0.00	0.00
Hexachloroethane	67721	956	0	0	0	956	100.00	0.00	0.00	0.00
Hydrazine	302012	488	0	0	0	488	100.00	0.00	0.00	0.00
Methyl chloroform (1,1,1-Trichloroethane)	71556	1,833,042	81,568,108	0	17	83,401,167	2.20	97.80	0.00	0.00
Methylene chloride (Dichloromethane)	74873	17,147,797	17,629,275	0	0	34,777,072	49.31	50.69	0.00	0.00
Methylene diphenyl diisocyanate (MDI)	101688	77,404	0	0	0	77,404	100.00	0.00	0.00	0.00
Parathion	56382	0.58	0.00	0.00	0.00	0.58	100.00	0.00	0.00	0.00
Pentachlorophenol	87865	5	0	0	0	5	100.00	0.00	0.00	0.00
Phenol	108952	2,301,622	18,706	0	73,631	2,393,959	96.14	0.78	0.00	3.08
Phosgene	75445	221.00	0.15	0.00	0.00	221	99.93	0.07	0.00	0.00
Styrene	100425	14,968,299	152,073	18,298,811	1,235,178	34,654,360	43.19	0.44	52.80	3.56
2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)	1746016	11.14	0.01	0.00	0.00	11	99.91	0.09	0.00	0.00
2,3,7,8-tetrachlorodibenzo-furan (TCDF)	51207319	102.57	0.60	0.00	0.00	103	99.41	0.59	0.00	0.00
Tetrachloroethylene (Perchloroethylene)	127184	2,653,862	40,322,522	0	0	42,976,383	6.18	93.82	0.00	0.00
Toluene	108883	40,761,221	207,177,184	299,390,023	83,848,923	631,177,350	6.46	32.82	47.43	13.28
2,4-Toluene diisocyanate	584849	4,982	0	0	0	4,982	100.00	0.00	0.00	0.00
Total polychlorinated biphenyls (PCBs)	1336363	160.76	0.09	0.00	0.00	161	99.95	0.05	0.00	0.00
Total polychlorinated dibenzodioxins (PCDDs)		6.21	3.87	0.00	0.00	10	61.60	38.40	0.00	0.00
Total polychlorinated dibenzofurans (PCDFs)		11.51	21.36	0.00	0.00	33	35.02	64.98	0.00	0.00
Trichloroethylene	79016	10,006,416	45,067,286	0	0	55,073,702	18.17	81.83	0.00	0.00
2,4,5-Trichlorophenol	95954	5.02	0.00	0.00	0.00	5	100.00	0.00	0.00	0.00
2,4,6-Trichlorophenol	188062	302.54	0.00	0.00	0.00	303	100.00	0.00	0.00	0.00
Trifluralin	1582098	4,816	715,508	0	0	720,324	0.67	99.33	0.00	0.00
Vinyl chloride	75014	362,404	450,855	0	0	813,259	44.56	55.44	0.00	0.00
Xylenes (includes o, m, and p)	1330207	30,863,907	105,906,410	152,209,863	84,524,182	373,504,363	8.26	28.35	40.75	22.63

Table 2-1: Summary of 1998 air toxics emissions from point, area, and mobile sources (continued).

Pollutant Name	Cas No.	Emissions (lb)					Percent (%)			
		Point	Area	Onroad	Nonroad	Total	Point	Area	Onroad	Nonroad
<b>Non-Metal Compounds (Excluding PAHs) (continued)</b>										
m-Xylenes	108383	130,937	1,029,580	78,249,599	1,809,011	81,219,127	0.16	1.27	96.34	2.23
o-Xylenes	95476	1,134,379	13,259,519	41,487,118	1,010,325	56,891,341	1.99	23.31	72.92	1.78
p-Xylenes	106423	19,399	640,558	0	109,848	769,805	2.52	83.21	0.00	14.27
<b>Total Non-Metals</b>		151,052,171	567,572,292	681,256,145	283,594,434	1,683,475,041	8.97	33.71	40.47	16.85
<b>Metal Compounds</b>										
Antimony	7440360	36,504	684	0	383	37,570	97.16	1.82	0.00	1.02
Arsenic	7440382	275,320	14,697	87	100	290,204	94.87	5.06	0.03	0.03
Beryllium	7440417	9,435	9,871	0	2	19,308	48.86	51.12	0.00	0.01
Cadmium	7440439	82,223	11,195	0	29	93,447	87.99	11.98	0.00	0.03
Chromium	7440473	511,057	15,164	3,631	13,008	542,859	94.14	2.79	0.67	2.40
Chromium (6)	18540299	19,804	91	0	18	19,913	99.45	0.46	0.00	0.09
Cobalt	7440484	62,404	923	0	439	63,766	97.86	1.45	0.00	0.69
Copper	7440508	918,480	2,552	268,789	462	1,190,283	77.16	0.21	22.58	0.04
Lead	7439921	1,278,017	29,182	118,242	4,477	1,429,918	89.38	2.04	8.27	0.31
Manganese	7439965	1,240,854	28,117	5,259	15,215	1,289,445	96.23	2.18	0.41	1.18
Mercury	7439976	63,127	10,099	2,299	3,592	79,117	79.79	12.77	2.91	4.54
Nickel	7440020	846,505	25,625	3,699	13,271	889,100	95.21	2.88	0.42	1.49
<b>Total Metals</b>		5,323,924	148,110	402,007	50,976	5,925,018	89.85	2.50	6.78	0.86
<b>Total</b>		<b>157,531,979</b>	<b>580,969,157</b>	<b>687,569,959</b>	<b>283,720,504</b>	<b>1,709,791,598</b>	<b>9.21</b>	<b>33.98</b>	<b>40.21</b>	<b>16.59</b>

Table 2-2: The most significant source categories for the top five non-metal compounds.

<b>Pollutant Name</b>	<b>Cas No.</b>	<b>Emissions (lb)</b>	<b>Most Significant Source Category</b>	<b>% of Contribution</b>
Toluene	108883	631,177,349.64	Light Duty Gasoline Vehicles	27.73
Xylenes (includes o, m, and p)	1330207	373,504,362.56	Light Duty Gasoline Vehicles	23.88
Benzene	71432	169,539,732.29	Light Duty Gasoline Vehicles	32.71
Formaldehyde	50000	89,302,217.13	Heavy Duty Diesel Vehicles	18.62
Methyl chloroform	71556	83,401,167.43	Degreasing Equipment	58.16

Table 2-3: The most significant source categories for the top five metal compounds.

<b>Pollutant Name</b>	<b>Cas No.</b>	<b>Emissions (lb)</b>	<b>Most Significant Source Category</b>	<b>% of Contribution</b>
Lead	7439921	1,429,918.07	Metal Mining (SIC code 10xx)	31.18
Manganese	7439965	1,289,444.86	Primary Metal Industries (SIC code 33xx)	43.05
Copper	7440508	1,190,282.86	Metal Mining (SIC code 10xx)	35.72
Nickel	7440020	889,100.02	Metal Mining (SIC code 10xx)	50.07
Chromium	7440473	542,859.48	Fabricated Metal Products (SIC code 34XX)	25.81

Table 2-4: Summary of 1998 air toxics emissions by SCC.

Material Code	SCC	Category	IL	IN	MI	MN	NY	OH	PA	WI	ON	Regional Emissions	Regional Percentage
ACENAPHTHEN		Other	X	X	X	X		X		X	X	106	0.17
ACENAPHTHEN	2104008050	WOODSTOVE - NONCATALYTIC				X				X	X	6,592	10.81
ACENAPHTHEN	2104008000	WOOD - RESIDENTIAL	X									10,297	16.89
ACENAPHTHEN	2104008030	WOODSTOVE - CATALYTIC		X	X	X		X		X	X	17,464	28.65
ACENAPHTHEN	2104008051	WOODSTOVE - NONCATALYTIC				X				X	X	26,497	43.47
ACENAPHTHYL		Other	X	X	X	X		X		X	X	54,626	7.18
ACENAPHTHYL	2104008030	WOODSTOVE - CATALYTIC		X	X	X		X		X	X	144,522	18.99
ACENAPHTHYL	2104008051	WOODSTOVE - NONCATALYTIC				X				X	X	561,735	73.83
ACETALDEHYDE	2270005015	AGRICULTURAL TRACTORS	X	X	X	X	X	X		X		3,050,010	8.77
ACETALDEHYDE		Other	X	X	X	X	X	X	X	X	X	31,732,356	91.23
ACROLEIN	2810030000	STRUCTURE FIRES	X			X	X					382,472	9.41
ACROLEIN	2275020000	AIRCRAFT - COMMERCIAL	X	X	X	X	X	X		X	X	633,069	15.58
ACROLEIN		Other	X	X	X	X	X	X	X	X	X	3,048,172	75.01
ACRYLAMIDE		Other								X		0	0.00
ACRYLAMIDE	30199999	CHEMICAL - OTHER	X									72	5.15
ACRYLAMIDE	39999992	MISC MFG									X	508	36.31
ACRYLAMIDE		UNCLASSIFIED						X				819	58.54
ACRYLONITRIL		Other	X	X	X	X			X	X	X		9.14
ACRYLONITRIL	2620030000	LANDFILL - AREA		X		X	X	X		X		62,116	12.28
ACRYLONITRIL	30101899	PLASTIC POLYMERS	X									397,500	78.58
ANTHRACENE		Other	X	X	X	X	X	X		X	X	2,595	2.92
ANTHRACENE	2104008050	WOODSTOVE - NONCATALYTIC				X				X	X	5,932	6.68
ANTHRACENE	2104008000	WOOD - RESIDENTIAL	X									9,267	10.44
ANTHRACENE		UNCLASSIFIED		X			X	X				10,587	11.93
ANTHRACENE	2104008030	WOODSTOVE - CATALYTIC		X	X	X		X		X	X	23,292	26.24
ANTHRACENE	2104008051	WOODSTOVE - NONCATALYTIC				X				X	X	37,096	41.79
ANTIMONY	10200224	COAL COMBUSTION								X		3,645	9.70
ANTIMONY	50100515	INCINERATION		X	X	X					X	8,435	22.45
ANTIMONY		UNCLASSIFIED		X		X	X	X				10,777	28.68
ANTIMONY		Other	X	X	X	X	X	X	X	X	X	14,713	39.16
ARSENIC	30302399	TACONITE ORE PROCESSING				X						17,014	5.86
ARSENIC	50200504	INCINERATION		X			X					18,226	6.28
ARSENIC	30300813	IRON PRODUCTION									X	41,618	14.34
ARSENIC		Other	X	X	X	X	X	X	X	X	X	87,925	30.30
ARSENIC	39999992	MISC MFG									X	125,421	43.22
ATRAZINE		Other	X									690	0.01
ATRAZINE	2461800000	PESTICIDE	X	X	X	X	X	X		X		6,038,797	99.99
BENZ (A) ANTHR	30300101	ALUMINUM ORE	X	X								10,939	7.19
BENZ (A) ANTHR		Other	X	X	X	X	X	X		X	X	18,344	12.06
BENZ (A) ANTHR	2104008051	WOODSTOVE - NONCATALYTIC				X				X	X	52,994	34.83
BENZ (A) ANTHR	2104008030	WOODSTOVE - CATALYTIC		X	X	X		X		X	X	69,866	45.92

Table 2-4: Summary of 1998 air toxics emissions by SCC (continued).

Material Code	SCC	Category	IL	IN	MI	MN	NY	OH	PA	WI	ON	Regional Emissions	Regional Percentage
BENZ (GHI) PE		Other	X	X	X	X	X	X		X	X	5,165	9.33
BENZ (GHI) PE	2104008030	WOODSTOVE - CATALYTIC		X	X	X		X		X	X	5,818	10.51
BENZ (GHI) PE	2104008051	WOODSTOVE - NONCATALYTIC				X				X	X	10,599	19.15
BENZ (GHI) PE	2104008050	WOODSTOVE - NONCATALYTIC				X				X	X	13,183	23.81
BENZ (GHI) PE	2104008000	WOOD - RESIDENTIAL	X									20,594	37.20
BENZENE	2201001270	LDGV	X	X	X	X	X	X	X	X	X	9,701,370	5.72
BENZENE	2201001290	LDGV	X	X	X	X	X	X		X	X	11,278,090	6.65
BENZENE	2401020000	COATING - AREA SOURCE						X				14,322,373	8.45
BENZENE		Other	X	X	X	X	X	X	X	X	X	134,237,900	79.18
BENZO (A) PYRE	30300101	ALUMINUM ORE	X	X								5,004	5.85
BENZO (A) PYRE	50200504	INCINERATION	X	X			X					5,621	6.57
BENZO (A) PYRE	2104008000	WOOD - RESIDENTIAL	X									6,178	7.23
BENZO (A) PYRE	2104008051	WOODSTOVE - NONCATALYTIC				X				X	X	10,599	12.40
BENZO (A) PYRE	2104008030	WOODSTOVE - CATALYTIC		X	X	X		X		X	X	11,653	13.63
BENZO (A) PYRE	30300302	BY-PRODUCT COKE	X	X							X	13,337	15.60
BENZO (A) PYRE		Other	X	X	X	X	X	X		X	X	13,596	15.90
BENZO (A) PYRE	30600201	FCCU		X	X	X					X	19,507	22.82
BENZO (B) FLUO		Other	X	X	X	X	X	X		X	X	1,481	4.14
BENZO (B) FLUO	2104008050	WOODSTOVE - NONCATALYTIC				X				X	X	2,637	7.37
BENZO (B) FLUO	2104008000	WOOD - RESIDENTIAL	X									4,119	11.51
BENZO (B) FLUO	2104008030	WOODSTOVE - CATALYTIC		X	X	X		X		X	X	11,653	32.56
BENZO (B) FLUO	2104008051	WOODSTOVE - NONCATALYTIC				X				X	X	15,898	44.42
BENZO (K) FLUO	2104008000	WOOD - RESIDENTIAL	X									1,030	7.20
BENZO (K) FLUO		Other	X	X	X	X	X	X		X	X	2,148	15.03
BENZO (K) FLUO	2104008051	WOODSTOVE - NONCATALYTIC				X				X	X	5,299	37.07
BENZO (K) FLUO	2104008030	WOODSTOVE - CATALYTIC		X	X	X		X		X	X	5,818	40.70
BERYLLIUM	30500714	CEMENT MFG - WET		X								1,046	5.42
BERYLLIUM	30400414	SECONDARY LEAD	X									3,349	17.34
BERYLLIUM		Other	X	X	X	X	X	X	X	X	X	6,019	31.17
BERYLLIUM	2104004000	OIL - RESIDENTIAL	X	X		X		X		X	X	8,895	46.07
BUTADIENE, 13	2201001270	LDGV	X	X	X	X	X	X	X	X	X	1,270,281	7.29
BUTADIENE, 13	2201001290	LDGV	X	X	X	X	X	X		X	X	1,434,809	8.24
BUTADIENE, 13		Other	X	X	X	X	X	X	X	X	X	14,718,101	84.47
CADMIUM		UNCLASSIFIED		X		X	X	X				4,789	5.12
CADMIUM	30400805	SECONDARY ZINC	X							X		6,902	7.39
CADMIUM	2104004000	OIL - RESIDENTIAL	X	X		X		X		X	X	9,228	9.87
CADMIUM	30400855	SECONDARY ZINC	X									9,657	10.33
CADMIUM	39999992	MISC MFG									X	17,167	18.37
CADMIUM		Other	X	X	X	X	X	X	X	X	X	45,704	48.91

Table 2-4: Summary of 1998 air toxics emissions by SCC (continued).

Material Code	SCC	Category	IL	IN	MI	MN	NY	OH	PA	WI	ON	Regional Emissions	Regional Percentage
CARBON TETRA	30184001	DISTILLATION UNITS							X			5,400	5.75
CARBON TETRA	30700199	SULFATE (KRAFT) PULPING				X				X	X	6,132	6.53
CARBON TETRA	2630000000	POTW - AREA	X									6,552	6.98
CARBON TETRA		Other	X	X	X	X	X	X	X	X	X	17,657	18.80
CARBON TETRA		UNCLASSIFIED		X		X	X	X				28,951	30.82
CARBON TETRA	2630020000	POTW - AREA				X		X		X	X	29,228	31.12
CHLORDANE	50100515	INCINERATION									X	1	100.00
CHLOROFORM	39999992	MISC MFG									X	46,239	5.30
CHLOROFORM	30700102	SULFATE (KRAFT) PULPING								X		56,717	6.51
CHLOROFORM	30700221	SULFITE PULPING								X		59,867	6.87
CHLOROFORM	2630020000	POTW - AREA				X		X		X	X	129,724	14.88
CHLOROFORM	30700199	SULFATE (KRAFT) PULPING				X			X	X	X	187,520	21.51
CHLOROFORM		Other	X	X	X	X	X	X	X	X	X	391,667	44.93
CHROMIUM	50100515	INCINERATION		X	X	X	X				X	27,599	5.08
CHROMIUM	30300904	STEEL PRODUCTION	X	X		X			X			43,975	8.10
CHROMIUM	39999992	MISC MFG									X	83,038	15.30
CHROMIUM		Other	X	X	X	X	X	X	X	X	X	163,281	30.08
CHROMIUM		UNCLASSIFIED		X		X	X	X				224,966	41.44
CHROMIUM VI	10100222	COAL COMBUSTION		X		X						1,023	5.14
CHROMIUM VI	10100203	COAL COMBUSTION	X	X								1,989	9.99
CHROMIUM VI	10100202	COAL COMBUSTION	X	X		X						1,990	9.99
CHROMIUM VI	30901097	PLATING	X							X		2,128	10.68
CHROMIUM VI	30901098	PLATING	X							X		3,121	15.67
CHROMIUM VI		Other	X	X	X	X				X	X	3,766	18.91
CHROMIUM VI	30901006	CHROME PLATING	X									5,897	29.61
CHRYSENE	2104008050	WOODSTOVE - NONCATALYTIC				X				X	X	6,592	5.60
CHRYSENE	31502102	CREMATORY	X									8,886	7.54
CHRYSENE	2104008000	WOOD - RESIDENTIAL	X									10,297	8.74
CHRYSENE	30300101	ALUMINUM ORE	X	X								15,478	13.14
CHRYSENE		Other	X	X	X	X	X	X		X	X	15,645	13.28
CHRYSENE	2104008030	WOODSTOVE - CATALYTIC		X	X	X		X		X	X	29,117	24.71
CHRYSENE	2104008051	WOODSTOVE - NONCATALYTIC				X				X	X	31,796	26.99
COBALT	10100202	COAL COMBUSTION	X	X		X				X	X	3,450	5.41
COBALT	30501403	GLASS MANUFACTURING							X			6,400	10.04
COBALT		UNCLASSIFIED		X		X	X	X				10,775	16.90
COBALT		Other	X	X	X	X	X	X	X	X	X	15,328	24.04
COBALT	39999992	MISC MFG									X	27,813	43.62
COKE OVEN GS		Other	X	X	X							20,434	1.01
COKE OVEN GS	30300302	BY-PRODUCT COKE	X	X								591,764	29.13
COKE OVEN GS	30300308	BY-PRODUCT COKE	X	X	X							1,419,443	69.87
COPPER		UNCLASSIFIED		X		X	X	X				169,995	14.28
COPPER		Other	X	X	X	X	X	X	X	X	X	364,926	30.66
COPPER	39999992	MISC MFG									X	655,362	55.06

Table 2-4: Summary of 1998 air toxics emissions by SCC (continued).

Material Code	SCC	Category	IL	IN	MI	MN	NY	OH	PA	WI	ON	Regional Emissions	Regional Percentage
DIBENZAHAH		Other	X	X	X	X	X	X		X	X	1,340	6.95
DIBENZAHAH	2104008050	WOODSTOVE - NONCATALYTIC				X				X	X	2,637	13.67
DIBENZAHAH	2104008000	WOOD - RESIDENTIAL	X									4,119	21.36
DIBENZAHAH	2104008051	WOODSTOVE - NONCATALYTIC				X						5,372	27.86
DIBENZAHAH	2104008030	WOODSTOVE - CATALYTIC		X	X	X		X		X	X	5,818	30.17
DIBROMOET,12		Other	X	X	X	X	X	X		X	X	2,992	6.46
DIBROMOET,12	2401990000	COATING - AREA SOURCE									X	43,358	93.55
DIBUTYL PHTH		Other	X	X	X	X		X	X	X	X	26,964	6.05
DIBUTYL PHTH	2425000000	GRAPHIC ARTS		X	X					X	X	419,079	93.95
DICHLORETH12	2620030000	LANDFILL - AREA		X		X	X	X		X		7,095	6.97
DICHLORETH12	2630020000	POTW - AREA				X				X	X	7,144	7.02
DICHLORETH12		Other	X	X	X	X	X	X	X	X		37,583	36.91
DICHLORETH12	30101817	PLASTIC POLYMERS		X								50,000	49.11
DIEYLHEX PHT	39999992	MISC MFG									X	4,753	8.35
DIEYLHEX PHT	40200310	SURFACE COATING								X		5,537	9.72
DIEYLHEX PHT	40202199	COATING - FLATWOOD							X			6,400	11.24
DIEYLHEX PHT	30201601	SUGAR BEET PROCESSING				X						12,506	21.96
DIEYLHEX PHT		Other	X	X	X	X		X	X	X		13,250	23.27
DIEYLHEX PHT		UNCLASSIFIED		X		X		X				14,491	25.45
DIOCTYL PHTH		Other		X	X	X				X	X	919	8.10
DIOCTYL PHTH	30500311	BRICK MANUFACTURING									X	1,303	11.49
DIOCTYL PHTH		UNCLASSIFIED		X								1,882	16.59
DIOCTYL PHTH	40200101	SURFACE COATING								X		7,240	63.82
ETHYLBENZENE	2201001270	LDGV	X	X	X	X	X	X	X	X	X	4,582,338	6.08
ETHYLBENZENE	2201001290	LDGV	X	X	X	X	X	X		X	X	4,640,233	6.15
ETHYLBENZENE	2260001020	SNOWMOBILES				X	X	X		X	X	7,925,562	10.51
ETHYLBENZENE		Other	X	X	X	X	X	X	X	X	X	58,280,662	77.26
ETHYLENE OXI		Other	X	X	X	X	X		X	X	X	84,929	6.08
ETHYLENE OXI	31502001	ETO STERILIZERS	X	X	X		X			X		198,498	14.20
ETHYLENE OXI	2465800000	CONSUMER SOLVENTS					X					274,590	19.64
ETHYLENE OXI	2460000000	CONSUMER SOLVENTS				X	X					345,370	24.71
ETHYLENE OXI	2465000000	CONSUMER SOLVENTS	X	X	X					X		494,537	35.38
FLUORANTHENE	50200504	INCINERATION	X	X								11,937	7.05
FLUORANTHENE		Other	X	X	X	X	X	X		X	X	26,325	15.55
FLUORANTHENE	2104008030	WOODSTOVE - CATALYTIC		X	X	X		X		X	X	34,942	20.64
FLUORANTHENE	30300101	ALUMINUM ORE	X	X								43,058	25.44
FLUORANTHENE	2104008051	WOODSTOVE - NONCATALYTIC				X				X	X	52,994	31.31
FLUORENE		Other	X	X	X	X		X		X	X	362	0.31
FLUORENE	2104008050	WOODSTOVE - NONCATALYTIC				X				X	X	9,228	7.95
FLUORENE	2104008000	WOOD - RESIDENTIAL	X									14,416	12.41
FLUORENE	2104008030	WOODSTOVE - CATALYTIC		X	X	X				X	X	28,536	24.57
FLUORENE	2104008051	WOODSTOVE - NONCATALYTIC				X				X	X	63,593	54.76

Table 2-4: Summary of 1998 air toxics emissions by SCC (continued).

Material Code	SCC	Category	IL	IN	MI	MN	NY	OH	PA	WI	ON	Regional Emissions	Regional Percentage
FORMALDEHYDE	2270005015	AGRICULTURAL TRACTORS	X	X	X	X	X	X		X		6,144,487	6.88
FORMALDEHYDE		Other	X	X	X	X	X	X	X	X	X	83,157,730	93.12
GLYCOL ETHRS	2425000000	GRAPHIC ARTS		X							X	1,166,100	5.36
GLYCOL ETHRS	40200101	SURFACE COATING	X	X		X				X		1,263,379	5.81
GLYCOL ETHRS	2401990000	COATING - AREA SOURCE				X						1,380,490	6.35
GLYCOL ETHRS	2465000000	CONSUMER SOLVENTS	X	X	X			X		X		1,776,834	8.17
GLYCOL ETHRS		UNCLASSIFIED	X	X		X						2,242,037	10.31
GLYCOL ETHRS	2401050000	COATING - AREA SOURCE	X							X		5,853,971	26.91
GLYCOL ETHRS		Other	X	X		X	X	X	X	X	X	8,071,215	37.10
HEPTACHLOR	30182009	WASTE WATER								X		0	20.51
HEPTACHLOR	30182002	WASTE WATER								X		1	79.49
HEXCHLORETH		UNCLASSIFIED		X								956	100.00
HEXCL-13-BUT		Other					X					2	4.25
HEXCL-13-BUT		UNCLASSIFIED		X			X					45	95.75
HEXCLBENZENE		Other									X	0	4.48
HEXCLBENZENE	2461800000	PESTICIDE	X	X		X	X			X		2	95.52
HYDRAZINE		UNCLASSIFIED					X					136	27.85
HYDRAZINE	39999992	MISC MFG									X	352	72.15
INDN(123CDPY		Other	X	X	X	X	X	X		X	X	341	0.54
INDN(123CDPY	2104008050	WOODSTOVE - NONCATALYTIC				X				X	X	3,429	5.45
INDN(123CDPY	2104008030	WOODSTOVE - CATALYTIC		X	X	X		X		X	X	11,653	18.53
INDN(123CDPY	2104008000	WOOD - RESIDENTIAL	X									20,594	32.75
INDN(123CDPY	2104008051	WOODSTOVE - NONCATALYTIC				X						26,860	42.72
LEAD	30300813	IRON PRODUCTION		X							X	96,902	6.78
LEAD	39999992	MISC MFG									X	548,020	38.33
LEAD		Other	X	X	X	X	X	X	X	X	X	784,997	54.90
MANGANESE	30300908	STEEL PRODUCTION	X	X	X							117,597	9.12
MANGANESE		UNCLASSIFIED		X		X	X	X				137,134	10.64
MANGANESE	39999992	MISC MFG									X	180,781	14.02
MANGANESE	30302399	TACONITE ORE PROCESSING				X						208,552	16.17
MANGANESE		Other	X	X	X	X	X	X	X	X	X	645,381	50.05
MERCURY	50100102	INCINERATION	X	X	X	X	X				X	6,941	8.77
MERCURY	10100222	COAL COMBUSTION		X	X	X				X		8,317	10.51
MERCURY	2104004000	OIL - RESIDENTIAL	X	X		X		X		X	X	9,007	11.38
MERCURY	10100202	COAL COMBUSTION	X	X	X	X			X	X	X	9,183	11.61
MERCURY	50200504	INCINERATION	X	X			X					10,157	12.84
MERCURY		Other	X	X	X	X	X	X	X	X	X	35,513	44.89
METHENE (B) 4 -		Other	X	X		X					X	4,006	5.18
METHENE (B) 4 -	30999999	FABRICATED METAL PRODUCTS		X								4,377	5.65
METHENE (B) 4 -	31401541	CIRCUIT BOARD MFG		X								9,200	11.89
METHENE (B) 4 -		UNCLASSIFIED		X								59,821	77.28

Table 2-4: Summary of 1998 air toxics emissions by SCC (continued).

Material Code	SCC	Category	IL	IN	MI	MN	NY	OH	PA	WI	ON	Regional Emissions	Regional Percentage
METHYLENE CL	39999992	MISC MFG									X	3,473,757	9.99
METHYLENE CL	2401001000	ARCH COAT	X	X	X	X		X		X		3,674,755	10.57
METHYLENE CL	2415000000	DEGREASING			X			X		X		4,999,296	14.38
METHYLENE CL		UNCLASSIFIED		X		X	X	X				7,663,710	22.04
METHYLENE CL		Other	X	X	X	X	X	X	X	X	X	14,965,553	43.03
NAPHTHALENE	2465800000	CONSUMER SOLVENTS					X					836,501	5.01
NAPHTHALENE	2460000000	CONSUMER SOLVENTS				X	X					1,054,409	6.31
NAPHTHALENE	2401005000	AUTOBODY	X	X	X	X		X	X	X		1,945,796	11.65
NAPHTHALENE	2465000000	CONSUMER SOLVENTS	X	X	X			X		X		2,026,725	12.13
NAPHTHALENE		Other	X	X	X	X	X	X	X	X	X	10,842,571	64.90
NICKEL		UNCLASSIFIED		X		X	X	X				70,235	7.90
NICKEL		Other	X	X	X	X	X	X	X	X	X	242,929	27.32
NICKEL	39999992	MISC MFG									X	575,936	64.78
PARATHION	30182002	WASTE WATER								X		1	100.00
PCBS		Other	X	X	X	X	X			X	X	9	5.82
PCBS		UNCLASSIFIED					X					12	7.47
PCBS	50100102	INCINERATION					X				X	25	15.43
PCBS	30500706	CEMENT MFG - WET								X		115	71.29
PCDD	50100515	INCINERATION		X	X	X					X	1	7.65
PCDD		Other	X	X	X	X					X	1	14.67
PCDD	2104008051	WOODSTOVE - NONCATALYTIC				X						4	38.38
PCDD	50300103	INCINERATION	X									4	39.29
PCDF	10200902	WOOD COMBUSTION	X	X	X	X					X	5	14.98
PCDF		Other	X	X	X	X					X	7	20.06
PCDF	2104008051	WOODSTOVE - NONCATALYTIC				X						21	64.97
PCP		Other									X	0	4.02
PCP		UNCLASSIFIED		X								5	95.99
PERC	2415065000	DEGREASING							X			2,218,849	5.16
PERC	2420000000	DRY CLEANING									X	4,147,581	9.65
PERC	2415000000	DEGREASING			X			X		X		9,023,121	21.00
PERC		Other	X	X	X	X	X	X	X	X	X	11,698,525	27.22
PERC	2420010055	DRY CLEANING	X	X	X		X			X		15,888,307	36.97
PHENANTHRENE		Other	X	X	X	X	X	X		X	X	84,707	4.61
PHENANTHRENE	2104008000	WOOD - RESIDENTIAL	X									121,503	6.62
PHENANTHRENE	2104008051	WOODSTOVE - NONCATALYTIC				X				X	X	206,676	11.25
PHENANTHRENE	2104008030	WOODSTOVE - CATALYTIC		X	X	X		X		X	X	1,423,641	77.52
PHENOL	39999992	MISC MFG									X	261,038	10.90
PHENOL	30599999	MINERAL PROD - OTHER	X			X						289,926	12.11
PHENOL		Other	X	X	X	X	X	X	X	X	X	694,647	29.02
PHENOL		UNCLASSIFIED		X		X	X	X				1,148,349	47.97
PHOSGENE		Other	X							X		0	0.07
PHOSGENE		UNCLASSIFIED		X			X					221	99.93

Table 2-4: Summary of 1998 air toxics emissions by SCC (continued).

Material Code	SCC	Category	IL	IN	MI	MN	NY	OH	PA	WI	ON	Regional Emissions	Regional Percentage
PYRENE	2104008000	WOOD - RESIDENTIAL	X									8,238	7.49
PYRENE		Other	X	X	X	X	X	X		X	X	9,017	8.20
PYRENE	2104008030	WOODSTOVE - CATALYTIC		X	X	X		X		X	X	29,114	26.48
PYRENE	2104008051	WOODSTOVE - NONCATALYTIC				X				X	X	63,593	57.83
STYRENE	2201001270	LDGV	X	X	X	X	X	X	X	X	X	1,862,150	5.37
STYRENE	2201001290	LDGV	X	X	X	X	X	X		X	X	2,026,979	5.85
STYRENE	30800724	FIBERGLASS RESINS	X	X		X			X	X		3,894,004	11.24
STYRENE		UNCLASSIFIED	X	X		X	X	X				4,540,540	13.10
STYRENE		Other	X	X	X	X	X	X	X	X	X	22,330,688	64.44
TCDD, 2378		Other	X	X	X	X	X			X	X	0	1.36
TCDD, 2378		UNCLASSIFIED					X					1	8.97
TCDD, 2378	50200505	INCINERATION			X		X				X	10	89.68
TCDF, 2378		Other	X	X	X	X	X				X	1	1.21
TCDF, 2378	10200902	WOOD COMBUSTION	X		X						X	102	98.79
TCE, 111	2415065000	DEGREASING							X			6,683,534	8.01
TCE, 111	2460000000	CONSUMER SOLVENTS				X	X					8,851,551	10.61
TCE, 111	2465000000	CONSUMER SOLVENTS	X	X	X			X		X		17,016,388	20.40
TCE, 111		Other	X	X	X	X	X	X	X	X	X	23,670,585	28.38
TCE, 111	2415000000	DEGREASING			X			X		X		27,179,109	32.59
TOLUENE	2201001290	LDGV	X	X	X	X	X	X		X	X	32,301,132	5.12
TOLUENE	2260001020	SNOWMOBILES				X	X	X		X	X	32,453,270	5.14
TOLUENE	2201001270	LDGV	X	X	X	X	X	X	X	X	X	32,885,289	5.21
TOLUENE	2401050000	COATING - AREA SOURCE	X							X		34,234,139	5.42
TOLUENE		Other	X	X	X	X	X	X	X	X	X	499,303,521	79.11
TOLUENE24DII		Other	X			X				X		295	5.93
TOLUENE24DII	40706404	TANK - TDI	X									612	12.28
TOLUENE24DII	30101415	PAINT MANUFACTURING	X									998	20.03
TOLUENE24DII		UNCLASSIFIED		X								3,077	61.77
TRICHLORETHY	2415105000	DEGREASING							X			2,782,453	5.05
TRICHLORETHY	40100205	DEGREASE - TCE	X	X	X	X			X	X	X	2,818,097	5.12
TRICHLORETHY	2415065000	DEGREASING							X			6,323,720	11.48
TRICHLORETHY		Other	X	X	X	X	X	X	X	X	X	17,433,539	31.65
TRICHLORETHY	2415000000	DEGREASING			X			X		X		25,715,893	46.69
TRICLPHN, 245		Other									X	0	0.43
TRICLPHN, 245	50100102	INCINERATION									X	5	99.57
TRICLPHN, 246		Other									X	0	0.07
TRICLPHN, 246		UNCLASSIFIED		X			X					26	8.70
TRICLPHN, 246	50100102	INCINERATION									X	276	91.23
TRIFLURALIN		Other		X								4,816	0.67
TRIFLURALIN	2461800000	PESTICIDE	X		X	X	X					715,508	99.33

Table 2-4: Summary of 1998 air toxics emissions by SCC (continued).

Material Code	SCC	Category	IL	IN	MI	MN	NY	OH	PA	WI	ON	Regional Emissions	Regional Percentage
VINYL CHLOR	2620030000	LANDFILL - AREA		X		X	X					46,878	5.76
VINYL CHLOR	30101864	PLASTIC POLYMERS	X		X							66,284	8.15
VINYL CHLOR	40786004	TANK - VINYL CHLORIDE	X									67,376	8.28
VINYL CHLOR	30101899	PLASTIC POLYMERS							X			111,200	13.67
VINYL CHLOR		Other	X	X	X	X	X	X	X	X	X	117,585	14.46
VINYL CHLOR	2630020000	POTW - AREA				X		X		X	X	403,936	49.67
XYLENE, M	2201001330	LDGV	X	X	X	X	X	X		X		4,444,187	5.47
XYLENE, M	2201001270	LDGV	X	X	X	X	X	X	X	X	X	8,331,122	10.26
XYLENE, M	2201001290	LDGV	X	X	X	X	X	X		X	X	9,429,838	11.61
XYLENE, M		Other	X	X	X	X	X	X	X	X	X	59,013,979	72.66
XYLENE, O	2401050000	COATING - AREA SOURCE	X							X		4,040,531	7.10
XYLENE, O	2201001270	LDGV	X	X	X	X	X	X	X	X	X	4,392,166	7.72
XYLENE, O	2201001290	LDGV	X	X	X	X	X	X		X	X	4,983,401	8.76
XYLENE, O		Other	X	X	X	X	X	X	X	X	X	43,475,243	76.42
XYLENE, P	2401990000	COATING - AREA SOURCE									X	57,819	7.51
XYLENE, P	2282005010	BOATS - OUTBOARDS		X								58,281	7.57
XYLENE, P	2501060100	STAGE 2 - AREA						X		X		65,875	8.56
XYLENE, P	2501060101	STAGE 2 - AREA				X					X	116,880	15.18
XYLENE, P		Other	X	X	X	X	X	X	X	X	X	190,505	24.75
XYLENE, P	2415000000	DEGREASING			X			X		X		280,446	36.43
XYLENES ISO	2401005000	AUTOBODY	X	X	X	X		X	X	X		27,547,588	7.38
XYLENES ISO	2260001020	SNOWMOBILES				X	X	X		X	X	35,403,615	9.48
XYLENES ISO		Other	X	X	X	X	X	X	X	X	X	310,553,159	83.14

Table 2-5: Summary of regional air toxics emissions (expressed in pounds).

<b>Calendar Year</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>
PAHs	31,751,981.18	17,674,361	20,391,539
Nonmetal Compounds	1,648,172,459	1,441,768,741	1,683,475,041
Metal Compounds	8,269,154	5,795,303	5,925,018
<b>Total</b>	<b>1,688,193,594</b>	<b>1,465,238,405</b>	<b>1,709,791,598</b>