

Table 9

Toxic water pollution in Maryland

Companies reporting toxic discharges to water (1990-1994)

City: Baltimore, Maryland
 Facility: **Grace Davison**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		353,550	270,696	207,162	154,418	191,958	1,177,784
Ammonia	Patapsco River	280,000	240,000	200,000	150,000	184,000	1,054,000
Ammonium nitrate (solution)	Patapsco River	71,000	29,000	4,800	3,400	6,100	114,300
Molybdenum trioxide	Patapsco River	1,800	1,500	2,300	1,000	1,700	8,300
Nickel compounds	Patapsco River	250	180	62	18	156	666
Chromium compounds	Patapsco River	250	16			2	268
Cobalt compounds	Patapsco River	250					250

City: Baltimore, Maryland
 Facility: **Chemetals Inc.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		77,626	86,033	234,960	155,872	70,494	624,985
Manganese compounds	Patapsco River	59,107	30,489	80,636	83,884	70,494	324,610
Ammonia	Patapsco River	15,529	54,937	153,542	71,988		295,996
Barium compounds	Patapsco River	2,990	607	782			4,379

City: Baltimore, Maryland
 Facility: **SCM Chemicals**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		5	74	349	95	100,151	100,674
Manganese compounds	Patapsco River					100,000	100,000
Sulfuric acid	Patapsco River	5	73	331	93	100	602
Hydrochloric acid	Patapsco River		1	18	2	51	72

City: Baltimore, Maryland
 Facility: **SCM Glidco Organics Corp.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		15,322	14,893	18,611	14,099	14,512	77,437
Ammonia	Patapsco River	15,286	14,813	18,448	14,032	14,470	77,049
Zinc compounds	Patapsco River	12	28	37	38	29	144
Barium compounds	Patapsco River		28	88			116
Cadmium compounds	Patapsco River	14	15	21	19	8	77
Selenium compounds	Patapsco River	4	7	8	9	3	31
Sulfuric acid	Patapsco River	6	2	9	1	2	20

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City: Baltimore, Maryland

Facility: **Red Star Yeast**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		8,910	6,500	8,000	6,900	640	30,950
Ammonia	Patapsco River	8,710	6,500	8,000	6,900	630	30,740
Zinc compounds	Patapsco River	200					200
Acetaldehyde	Patapsco River					5	5
Hydrochloric acid	Patapsco River					5	5

City: Baltimore, Maryland

Facility: **FMC Corp.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		6,093	4,120				10,213
Methanol	Stonehouse Cove	6,093	2,776				8,869
Ethylene glycol	Stonehouse Cove		1,344				1,344

City: Baltimore, Maryland

Facility: **Avesta Sheffield East Inc.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		3,310	2,977	520	765	765	8,337
Manganese compounds	Bacon Creek	2,295	750	250			3,295
Nickel compounds	Bacon Creek	750	1,622	250			2,622
Chromium compounds	Bacon Creek	250	590	5			845
Chromium compounds	Patapsco River				250	250	500
Manganese compounds	Patapsco River				250	250	500
Nickel compounds	Patapsco River				250	250	500
Hydrogen fluoride	Bacon Creek	5	5	5			15
Sulfuric acid	Bacon Creek	5	5	5			15
Nitric acid	Bacon Creek	5	5	5			15
Hydrogen fluoride	Patapsco River				5	5	10
Sulfuric acid	Patapsco River				5	5	10
Nitric acid	Patapsco River				5	5	10

City: Baltimore, Maryland

Facility: **Armco**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		2,020	1,765	785	530	775	5,875
Chromium compounds	Herring Run	250	250	250	250	250	1,250
Nickel compounds	Herring Run	250	250	250	250	250	1,250
Copper compounds	Herring Run	250	250	250	5	5	760
Manganese compounds	Patapsco River	250	250			250	750
Chromium compounds	Patapsco River	250	250			5	505
Copper compounds	Patapsco River	250	250			5	505
Nickel compounds	Patapsco River	250	250			5	505
Manganese compounds	Herring Run	250	5	5	5	5	270
Cobalt compounds	Herring Run	5	5	5			15
Chromium compounds	Northwest Branch Of Patapso			5	5		10

Source: Environmental Working Group. Compiled from U.S. Environmental Protection Agency, Toxics Release Inventory 1990-1994.

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City: Baltimore, Maryland

Facility: **Armco**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		2,020	1,765	785	530	775	5,875
Cobalt compounds	Patapsco River	5	5				10
Copper compounds	Northwest Branch Of Patapso			5	5		10
Manganese compounds	Northwest Branch Of Patapso			5	5		10
Nickel compounds	Northwest Branch Of Patapso			5	5		10
Cobalt compounds	Northwest Branch Of Patapso			5			5
Vanadium (fume or dust)	Herring Run	5					5
Vanadium (fume or dust)	Patapsco River	5					5

City: Baltimore, Maryland

Facility: **Cox Creek Refining Co.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		250	750	5	250	505	1,760
Copper	Patapsco River	250	250	5	250	250	1,005
Nickel	Patapsco River		250			250	500
Lead	Patapsco River		250			5	255

City: Baltimore, Maryland

Facility: **ABC Rail Corp.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals			25	760	515		1,300
Lead	Gwynns Falls		5	250	250		505
Nickel	Gwynns Falls		5	250	250		505
Cadmium	Gwynns Falls			250	5		255
Manganese	Gwynns Falls		5	5	5		15
Copper	Gwynns Falls		5	5	5		15
Chromium	Gwynns Falls		5				5

City: Baltimore, Maryland

Facility: **Carr-Lowrey Glass Co.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals			320	320	320	320	1,280
Hydrochloric acid	Patapsco River		207	207	207	207	828
Hydrogen fluoride	Patapsco River		113	113	113	113	452

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Companies reporting toxic discharges to water (1990-1994)

City: Baltimore, Maryland

Facility: **General Motors Corporation**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals			230	200	230	470	1,130
Zinc compounds	Patapsco River		230	200	230	470	1,130

City: Baltimore, Maryland

Facility: **Chevron USA Inc.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		844	240				1,084
Benzene	Patapsco River	320	50				370
Cyclohexane	Patapsco River	320	50				370
Toluene	Patapsco River	92	90				182
Xylene (mixed isomers)	Patapsco River	112	50				162

City: Baltimore, Maryland

Facility: **Sherwin-Williams Co.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		71	107	236	243	97	754
Phthalic anhydride	Unknown	20	88	220	183	87	598
Zinc compounds	Unknown	24	1		33	3	61
Xylene (mixed isomers)	Unknown	11	14	1	1	1	28
1,2,4-Trimethylbenzene	Unknown	5	1	2	3		11
Glycol ethers	Unknown	1		8	2		11
Ethylene glycol	Unknown			1	9		10
Chromium compounds	Unknown	2			5	2	9
Lead compounds	Unknown	3	2		1	2	8
Barium compounds	Unknown	2	1	3	1		7
Copper compounds	Unknown				5	2	7
Ethylbenzene	Unknown	2					2
Chlorothalonil	Unknown			1			1
Toluene	Unknown	1					1

City: Baltimore, Maryland

Facility: **Southern States Coop. Inc.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		505	10	10	5	10	540
Manganese compounds	Patapsco River	250	5	5		5	265
Zinc compounds	Patapsco River	250					250
Copper compounds	Patapsco River	5	5	5	5	5	25

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Companies reporting toxic discharges to water (1990-1994)

City: Baltimore, Maryland

Facility: **Bayer Corp.**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals		111	68	110	60	27	376
Zinc compounds	Patapsco River		41	92		14	147
Zinc compounds	Unnamed Tributary Of The	79			41		120
Manganese compounds	Unnamed Tributary Of The	4			2	2	8
Nickel compounds	Unnamed Tributary Of The	4			4		8
Barium compounds	Unnamed Tributary Of The	7					7
Barium compounds	Unnamed Tributary Of The		6				6
Barium compounds	Unnamed Tributary Of The				6		6
Lead compounds	Unnamed Tributary Of The	6					6
Barium compounds	Tributary Of Nw Patapsco River			5			5
Barium compounds	Un-named Tributary Of The Nw					5	5
Copper compounds	Unnamed Tributary Of The	3			2		5
Nickel compounds	Patapsco River		5				5
Cobalt compounds	Unnamed Tributary Of The	5					5
Cobalt compounds	Unnamed Tributary Of The		4				4
Lead compounds	Unnamed Tributary Of The		4				4
Manganese compounds	Tributary Of Nw Patapsco River			4			4
Nickel compounds	Tributary Of Nw Patapsco River			4			4
Chromium compounds	Patapsco River		3				3
Cobalt compounds	Unnamed Tributary Of The				3		3
Manganese compounds	Patapsco River		3				3
Chromium compounds	Unnamed Tributary Of The	3					3
Chromium compounds	Tributary Of Nw Patapsco River			2			2
Chromium compounds	Unnamed Tributary Of The				2		2
Chromium compounds	Un-named Tributary To The					2	2
Copper compounds	Patapsco River		2				2
Copper compounds	Tributary Of Nw Patapsco River			2			2
Nickel compounds	Un-named Tributary Of The					2	2
Cobalt compounds	Tributary Of Nw Patapsco River			1			1
Cobalt compounds	Un-named Tributary Of The					1	1
Copper compounds	Un-named Tributary Of The					1	1

City: Baltimore, Maryland

Facility: **Dynasurf Chemical Corp.**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals		250					250
Glycol ethers	Unknown	250					250

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City: Baltimore, Maryland

Facility: **Peridot Chemicals Inc.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		230	1	5			236
Sulfuric acid	Patapsco River	230	1	5			236

City: Beltsville, Maryland

Facility: **Mineral Pigments Corp.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		337	760	510	760	760	3,127
Manganese compounds	Indian Creek		250	250	250	250	1,000
Barium compounds	Indian Creek		250		250	250	750
Zinc compounds	Indian Creek		250	250		250	750
Zinc compounds	Unnamed Tirbutary Of Indian				250		250
Manganese compounds	Indian Creek, MD	250					250
Zinc compounds	Indian Creek, MD	65					65
Lead compounds	Indian Creek		5	5	5	5	20
Barium compounds	Indian Creek, MD	15					15
Chromium compounds	Indian Creek			5	5		10
Chromium compounds	Unnamed Tributary At Indian		5				5
Chromium compounds	Untamed Tributary Of Indian					5	5
Lead compounds	Indian Creek, MD	5					5
Chromium compounds	Indian Creek, MD	2					2

City: Berlin, Maryland

Facility: **Hudson Foods Inc.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals			1	26,001	28,750	32,217	86,969
Ammonia	Kitts Branch				28,500	31,967	60,467
Ammonia	Unknown			26,000			26,000
Chlorine	Kitts Branch		1	1	250	250	502

City: Catonsville, Maryland

Facility: **Simkins Ind. Inc.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		162,840					162,840
Sulfuric acid	Patapsco River	162,840					162,840

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Companies reporting toxic discharges to water (1990-1994)

City: Columbia, Maryland

Facility: **General Electric Co.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		500					500
Nickel	Little Patuxent River	250					250
Nickel compounds	Little Patuxent River	250					250

City: Frederick, Maryland

Facility: **Eastalco Aluminum Co.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		215	70	28	54	10	377
Chlorine	Potomac River	200	55	18	44		317
Aluminum (fume or dust)	Potomac River	5	5	5	5	5	25
Aluminum (fume or dust)	Tuscarora Creek	5	5	5	5	5	25
Ethylene glycol	Potomac River	5	5				10

City: Havre De Grace, Maryland

Facility: **Cello Corp.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals				250	5		255
Zinc compounds	Lilly Run			250	5		255

City: Linkwood, Maryland

Facility: **Darling Intl. Inc.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		27,000	672	2,013	1,014		30,699
Ammonia	Higgins Mill Pond	27,000	672	2,013	1,014		30,699

City: Showell, Maryland

Facility: **Showell Farms Inc.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals			3,000	3,000	3,000	22,000	31,000
Ammonia	Church Branch					22,000	22,000
Chlorine	Church Branch		3,000	3,000	3,000		9,000

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Companies reporting toxic discharges to water (1990-1994)

City: Sparrows Point, Maryland

Facility: **Bethlehem Steel Corp.**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals		297,449	246,393	180,715	175,598	210,800	1,110,955
Zinc compounds	Old Road Bay	120,000	120,000	106,000	102,000	130,000	578,000
Diethanolamine	Bear Creek		26,000	31,000	30,700	40,000	127,700
Manganese compounds	Old Road Bay	20,000	20,000	18,000	17,500	18,000	93,500
Ammonia	Patapsco River	30,000	9,900				39,900
Nickel compounds	Old Road Bay	28,000	2,900	2,600	2,600	2,600	38,700
Ammonia	Bear Creek	3,600	27,000				30,600
Cyanide compounds	Patapsco River	22,000	6,300	425	250	250	29,225
Copper compounds	Old Road Bay	10,000	2,900	2,700	2,600	2,600	20,800
Lead compounds	Old Road Bay	4,000	4,000	3,600	3,500	3,500	18,600
Manganese compounds	Patapsco River	1,700	1,900	4,700	4,200	1,800	14,300
Copper compounds	Patapsco River	2,100	3,700	3,200	2,800	2,300	14,100
Zinc compounds	Patapsco River	7,000	6,100	550			13,650
Manganese compounds	Jones Creek	2,000	2,000	2,000	2,000	2,000	10,000
Chromium compounds	Bear Creek	10,000					10,000
Lead compounds	Patapsco River	2,500	2,400	1,800	1,500	1,400	9,600
Chromium compounds	Old Road Bay	2,000	2,000	1,800	1,800	1,800	9,400
Cyanide compounds	Old Road Bay	9,100	75	70	75		9,320
Naphthalene	Patapsco River	7,000	95				7,095
Copper compounds	Bear Creek		1,600	1,500	1,500	1,400	6,000
Nickel compounds	Bear Creek				1,900	1,900	3,800
Phenol	Old Road Bay	2,100	1,600				3,700
Phenol	Bear Creek	1,600	2,000				3,600
Nickel compounds	Patapsco River	1,800	1,200	160	90	250	3,500
Benzene	Patapsco River	3,100	310				3,410
Phenol	Patapsco River	1,300	950				2,250
Zinc compounds	Bear Creek	2,100					2,100
Copper compounds	Jones Creek	220	360	360	360	250	1,550
Chromium compounds	Patapsco River	600	530	70	30	250	1,480
Cyanide compounds	Bear Creek	1,300	39		3		1,342
Naphthalene	Bear Creek	1,000					1,000
Lead compounds	Bear Creek	710	47	50	50		857
Lead compounds	Jones Creek	120	130	130	140	250	770
Lead compounds	Bear Creek					250	250
Cadmium compounds	Bear Creek	250					250
Sulfuric acid	Patapsco River		170				170
Ammonia	Jones Creek		140				140
Cadmium compounds	Patapsco River	130					130
Ethylene glycol	Bear Creek	99					99
Xylene (mixed isomers)	Patapsco River	14	6				20
Toluene	Patapsco River	2	16				18
Manganese compounds	Bear Creek		10				10
Styrene	Patapsco River	1	4				5
Toluene	Bear Creek	1	4				5
Benzene	Bear Creek	1	3				4
Xylene (mixed isomers)	Bear Creek		3				3
Ethylbenzene	Bear Creek	1	1				2

Table 9

Toxic water pollution in Maryland

Companies reporting toxic discharges to water (1990-1994)

City: Sparrows Point, Maryland

Facility: **Bethlehem Steel Corp.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals				500	1,800	3,300	5,600
Zinc compounds	Patapsco River			250	1,550	1,400	3,200
Copper compounds	Patapsco River			250	250	1,900	2,400

City: Williamsport, Maryland

Facility: **Garden State Tanning Inc.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		324,874	43,227	153,609	22,210	18,380	562,300
Ammonium sulfate (solution)	Conococheague Creek	312,482					312,482
Ammonia	Potomac River		12,656	150,921	20,000	17,000	200,577
Ammonia	Conococheague Creek	11,619	28,729				40,348
Manganese compounds	Potomac River		884	1,972	1,600	630	5,086
Chromium compounds	Potomac River			716	610	750	2,076
Chromium	Conococheague Creek	773	307				1,080
Chromium	Potomac River		410				410
Manganese compounds	Conococheague Creek		241				241