

Table 9

Toxic water pollution in Virginia

Companies reporting toxic discharges to water (1990-1994)

City: Accomac, Virginia

Facility: **Perdue Farms Inc.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		5,600	9,600	91	2,600	14,000	31,891
Ammonia	Parker Creek	5,600	9,600	91	2,600	14,000	31,891

City: Big Island, Virginia

Facility: **Georgia-Pacific Corp.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		4,560	14,595	11,825	13,219	13,000	57,199
Methanol	James River	250	4,600	4,800	4,900	4,975	19,525
Zinc (fume or dust)	James River	4,300	6,570			6,925	17,795
Zinc compounds	James River			4,700	7,029		11,729
Acetaldehyde	James River		1,000	1,100	1,100	1,100	4,300
Chlorine	James River	5	2,265	1,065			3,335
Acetone	James River		160	160	190		510
Sulfuric acid	James River	5					5

City: Blacksburg, Virginia

Facility: **Federal-Mogul Corp.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		196	384	500	166		1,246
Copper compounds	North Fork Roanoke River	90	140	228			458
Lead compounds	North Fork Roanoke River	87	110	117			314
Zinc compounds	Unknown			150			150
Zinc compounds	North Fork Roanoke River		130				130
Copper compounds	Roanoke River				98		98
Zinc compounds	Roanoke River				65		65
Cyanide compounds	North Fork Roanoke River	4	4	5			13
Nitric acid	North Fork Roanoke River	5					5
Sulfuric acid	North Fork Roanoke River	5					5
Hydrochloric acid	North Fork Roanoke River	5					5
Cyanide compounds	Roanoke River				3		3

City: Buena Vista, Virginia

Facility: **Georgia Bonded Fibers Inc.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		930	240	150	100	100	1,520
Zinc compounds	Maury River	930	240	150	100	100	1,520

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Companies reporting toxic discharges to water (1990-1994)

City: Charlottesville, Virginia

Facility: **Ge Co.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		216	321	616	308		1,461
Ammonia	James River		300	600	300		1,200
Ammonia	Herring Branch James River Basin	200					200
Copper	Herring Branch James River Basin		14	16	8		38
Copper	Herring Branch James River Basin	10					10
1,1,1-Trichloroethane	Herring Branch James River Basin		6				6
1,1,1-Trichloroethane	Herring Branch James River Basin	5					5
Dichloromethane	Herring Branch James River Basin		1				1
Dichloromethane	Herring Branch James River Basin	1					1

City: Chesapeake, Virginia

Facility: **Weaver Fertilizer Co. Inc.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		16,000	4,200	5,200	3,000	3,260	31,660
Ammonia	Elizabeth River	16,000	4,200	5,200	3,000	3,260	31,660

City: Chesapeake, Virginia

Facility: **Chesapeake Prods. Inc.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		760	745	753	1,005	1,005	4,268
Zinc compounds	Elizabeth River	250	300	306	250	250	1,356
Copper compounds	Elizabeth River	250	250	250	250	250	1,250
Manganese compounds	Elizabeth River	250	180	182	250	250	1,112
Lead compounds	Elizabeth River	5	5	5	250	250	515
Sulfuric acid	Elizabeth River		5	5	5	5	20
Ammonia	Elizabeth River	5	5	5			15

City: Chesapeake, Virginia

Facility: **Texaco. Lubricants Co.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		250	1	5	5	5	266
Zinc compounds	Gilligan's Creek	250	1	5			256
Zinc compounds	Gilligan's Creek To The Southern				5	5	10

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Toxic water pollution in Virginia

Companies reporting toxic discharges to water (1990-1994)

City: Chester, Virginia
Facility: **Philip Morris USA**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		20,392	14,583	21,259	18,996	10,227	85,457
Chlorine	James River	11,691	10,784	11,186	11,238	9,727	54,626
Zinc compounds	James River	7,042		5,596	3,885		16,523
Ammonia	James River	1,659	3,799	4,477	3,824	353	14,112
Ethylene glycol	James River				49	147	196

City: Chester, Virginia
Facility: **Allied-Signal Inc.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		4,150	2,240	4,940	3,240	3,030	17,600
Chlorine	James River	3,000	1,100	3,900	2,000	1,900	11,900
Biphenyl	James River	1,100	1,100	1,000	1,200	1,100	5,500
Zinc compounds	James River	50	40	40	40	30	200

City: Chester, Virginia
Facility: **Brown & Williamson Tobacco**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		7,621					7,621
Chlorine	James River	7,621					7,621

City: Clarksville, Virginia
Facility: **Clarksville Finishing Plant**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		18,983	20,751	4,652	8,101	6,686	59,173
Chlorine	John H. Kerr Reservoir	13,573	15,350		2,893	2,015	33,831
Ammonia	John H. Kerr Reservoir	4,160	4,328	3,652	4,708	4,520	21,368
Chromium compounds	John H. Kerr Reservoir	750	750	750	250	3	2,503
1,2,4-Trichlorobenzene	John H. Kerr Reservoir	250	250	250	250	148	1,148
Biphenyl	John H. Kerr Reservoir	250	73				323

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Toxic water pollution in Virginia

Companies reporting toxic discharges to water (1990-1994)

City: Covington, Virginia

Facility: **Westvaco Corp.**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals		82,370	80,660	84,600	87,800	33,700	369,130
Methanol	Jackson River	71,000	73,000	76,000	79,000	24,000	323,000
Chloroform	Jackson River	6,800	2,400	2,500	2,600	2,700	17,000
Acetone	Jackson River	3,800	3,900	4,000	4,200		15,900
Ammonia	Jackson River	770	710	1,000	1,000	960	4,440
Acetaldehyde	Jackson River					4,000	4,000
Methyl ethyl ketone	Jackson River		650	680	560	120	2,010
Phenol	Jackson River			420	440	450	1,310
Formaldehyde	Jackson River					1,300	1,300
Cresol (mixed isomers)	Jackson River					170	170

City: Covington, Virginia

Facility: **Applied Extrusion Techs. Inc.**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals		191		4	2	2	199
Acrylic acid	Jackson River	191		4	1		196
Vinylidene chloride	Jackson River				1	2	3

City: Danville, Virginia

Facility: **Corning Inc.**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals		750	750	750	750	505	3,505
Barium compounds	Rutledge Creek	250	250	250	250	250	1,250
Zinc compounds	Rutledge Creek	250	250	250	250	250	1,250
Lead compounds	Rutledge Creek	250	250	250	250	5	1,005

City: Danville, Virginia

Facility: **Goodyear Tire & Rubber Co.**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals					250	250	500
Zinc compounds	Unknown Stream To Hoggins				250	250	500



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Companies reporting toxic discharges to water (1990-1994)

City: Elkton, Virginia
Facility: **Merck & Co. Inc.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		7,730	48,730	37,000	32,680	13,970	140,110
Xylene (mixed isomers)	Shenandoah River	850	19,050	15,150	14,200	8,930	58,180
Acetone	Shenandoah River	1,730	12,050	3,640	3,410		20,830
Methanol	Shenandoah River		8,400	5,150	4,830		18,380
Cyanide compounds	Shenandoah River	2,480	2,180	5,340	3,390	2,080	15,470
Ethylbenzene	Shenandoah River	240	5,340	4,270	4,010	540	14,400
Ammonia	Shenandoah River	470	550	1,640	1,490	1,780	5,930
Chlorine	Shenandoah River	1,910	640	700	650	640	4,540
Chloromethane	Shenandoah River		520	1,110	700		2,330
Cyclohexane	Shenandoah River	50					50

City: Elkton, Virginia
Facility: **Coors Brewing Co.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		1,933	1,944	1,418	810	945	7,050
Ammonia	Shenandoah River	1,433	1,781	1,299	632	712	5,857
Ammonia	Unnamed Tributary To Gap Run	250	124	119	144		637
Chlorine	Shenandoah River	250	39		34	64	387
Ammonia	Unnamed Tributary Of Gap Run					169	169

City: Fieldale, Virginia
Facility: **Courtaulds Performance Films**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		250					250
Ethylene glycol	Smith River	250					250

City: Franklin, Virginia
Facility: **Union Camp Corp.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		516,500	486,625	480,400	2,838	1,983	1,488,346
Ammonia	Blackwater River	510,000	480,000	480,000	2,600	1,900	1,474,500
Catechol	Blackwater River	4,200	4,200	68	3	3	8,474
Chloroform	Blackwater River	1,900	2,000	100	63	42	4,105
Methanol	Blackwater River	190	180	230	170	6	776
Acetone	Blackwater River	210	210	2	2		424
Methyl ethyl ketone	Blackwater River		35				35
Acetaldehyde	Blackwater River					30	30
Cresol (mixed isomers)	Blackwater River					2	2

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Toxic water pollution in Virginia

Companies reporting toxic discharges to water (1990-1994)

City: Franklin, Virginia

Facility: **Hercules Inc.**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals		7,373	5,670	6,670	7,031	1,554	28,298
Formaldehyde	Nottoway River	5,000	4,500	5,400	5,733	56	20,689
Acetone	Nottoway River	2,300	1,100	1,200	1,232		5,832
Methanol	Nottoway River					1,410	1,410
1,2-Dichloropropane	Nottoway River	73	70	70	66	88	367

City: Glasgow, Virginia

Facility: **Lees Carpets**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals		300		8,552	9,150	3,900	21,902
Ammonia	Maury River	300		3,478	3,400		7,178
Glycol ethers	Maury River			2,996	3,000		5,996
n-Butyl alcohol	Maury River			1,566	1,700	2,400	5,666
Chromium compounds	Maury River				530	950	1,480
Cobalt compounds	Maury River				400	550	950
Chromium	Maury River			512			512
Methanol	Maury River				120		120

City: Goshen, Virginia

Facility: **Burke-parsons-bowlby Corp.**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals		2,670	3,177	10,155	3,128	2,770	21,900
Creosote	Brattons Run	2,400	3,100	9,800	2,954	2,700	20,954
Chromium	Brattons Run	200	35	210	102	40	587
Arsenic	Brattons Run	50	27	65	46	17	205
Copper	Brattons Run	20	15	80	26	13	154

City: Grafton, Virginia

Facility: **Amoco Petroleum Prods.**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals				43,150	2,900		46,050
Ammonia	York River			43,000	2,900		45,900
Methyl tert-butyl ether	York River			150			150

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Toxic water pollution in Virginia

Companies reporting toxic discharges to water (1990-1994)

City: Hampton, Virginia

Facility: **Commonwealth Wood Preservers**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals		31	28	34	34	28	155
Arsenic compounds	Hampton Roads	16	11	13	13	7	60
Chromium compounds	Hampton Roads	5	9	12	12	11	49
Copper compounds	Hampton Roads	10	8	9	9	10	46

City: Harrisonburg, Virginia

Facility: **Southern States Co-op. Inc.**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals		750	500	10	10	10	1,280
Copper compounds	Blacks Run		250		5	5	260
Manganese compounds	Balcks Run		250				250
Zinc compounds	Black's Run	250					250
Copper compounds	Black's Run	250					250
Manganese compounds	Black's Run	250					250
Manganese compounds	Blacks Run				5	5	10
Copper compounds	Black Run			5			5
Manganese compounds	Black Run			5			5

City: Hopewell, Virginia

Facility: **Allied-Signal Inc.**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals		1,373,232	1,475,755	911,670	1,352,575	1,287,360	6,400,592
Ammonia	Gravelly Run	1,074,139	957,000	586,000	828,500	989,500	4,435,139
Ammonium nitrate (solution)	Gravelly Run	280,821	500,000	306,000	504,000	245,000	1,835,821
Ammonia	Poythress Run	14,965	16,400	16,400	11,500	11,100	70,365
Sulfuric acid	Gravelly Run	1,500		990		38,850	41,340
Toluene	Gravelly Run	314	450	1,600	5,600	1,500	9,464
Phenol	Gravelly Run	5	1,900	50	1,335		3,290
Benzene	Gravelly Run	241		480	1,360	900	2,981
Ethylbenzene	Gravelly Run	877		150	280	510	1,817
Chlorine	Gravelly Run	347					347
Chlorine	Poythress Run	18					18
Butyraldehyde	Gravelly Run	5	5				10

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Toxic water pollution in Virginia

Companies reporting toxic discharges to water (1990-1994)

City: Hopewell, Virginia
 Facility: **ICI Americas Inc.**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals		4,691	770	4,163	4,000	4,723	18,347
Ethylene glycol	James River	4,060	770	1,700	1,200	1,783	9,513
Acetaldehyde	James River			1,100	1,400	1,651	4,151
Methanol	James River	620		1,200	1,200	1,124	4,144
Antimony compounds	James River			161	200	165	526
Phenol	James River	11		2			13

City: Hopewell, Virginia
 Facility: **Hercules**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals		303	24	13	557		897
Methanol	West Bear Creek	240	18		463		721
Acetone	West Bear Creek	63	6	13	48		130
Acetone	Bailey Creek				46		46

City: Hurt, Virginia
 Facility: **Hurt Finishing**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals		8,370	11,500	8,923	9,664	18,205	56,662
Ammonia	Roanoke River		9,000	8,000	7,400	17,200	41,600
Ammonia	Staunton River	4,292					4,292
Chlorine	Roanoke River		800	900	913	989	3,602
Ethylene glycol	Staunton River	3,352					3,352
Ethylene glycol	Roanoke River		1,700		1,338		3,038
Chlorine	Staunton River	726					726
Chromium compounds	Roanoke River			23	13	16	52

City: Lynchburg, Virginia
 Facility: **Lynchburg Fndy. Co.**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals		309	279	2,109	745	287	3,729
Bis(2-ethylhexyl) adipate	James River			1,532	354	83	1,969
Zinc compounds	James River	250	136	341	215	62	1,004
Phenol	James River	23	113	150	131	126	543
Copper	James River	36	30	86	45	16	213

Table 9

Toxic water pollution in Virginia

Companies reporting toxic discharges to water (1990-1994)

City: Lynchburg, Virginia

Facility: **Babcock & Wilcox Co.**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals		1,552	1,373	194	100	109	3,328
Chlorine	James River	1,300	1,000				2,300
Nickel compounds	James River	75	95	72	37	45	324
Cobalt compounds	James River	37	110	80	37	45	309
Copper compounds	James River	99	94	37	24	16	270
Chromium compounds	James River	32	21	5	2	3	63
Manganese compounds	James River	9	53				62

City: Lynchburg, Virginia

Facility: **Hanson Porcelain Co. Inc.**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals					1,015	1,015	2,030
Manganese	James River				250	250	500
Nickel	James River				250	250	500
Chromium	James River				250	250	500
Zinc (fume or dust)	James River				250	250	500
Lead	James River				5	5	10
Silver	James River				5	5	10
Cadmium	James River				5	5	10

City: Lynchburg, Virginia

Facility: **Lynchburg Fndy. Co.**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals		203	41	180	239		663
Zinc compounds	James River			130	210		340
Phenol	James River	168	28	20	13		229
Copper	James River	35	13	10	16		74
Manganese compounds	James River			20			20

City: Martinsville, Virginia

Facility: **Du Pont**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals		79,805	73,400	71,000	74,990		299,195
Ammonia	Smith River	79,800	73,400	71,000	74,990		299,190
Biphenyl	Smith River	5					5

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Toxic water pollution in Virginia

Companies reporting toxic discharges to water (1990-1994)

City: Martinsville, Virginia

Facility: **Virginia Mirror Co. Inc.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals					250		250
Xylene (mixed isomers)	Smith River				250		250

City: Milford, Virginia

Facility: **Hoover Treated Wood Prods Inc.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals						505	505
Arsenic compounds	Mattaponi River					250	250
Chromium compounds	Mattaponi River					250	250
Copper compounds	Mattaponi River					5	5

City: Narrows, Virginia

Facility: **Hoechst Celanese**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		660	497	418	638	253	2,466
Acetone	New River	367	270	220	384		1,241
Acetonitrile	New River	204	170	132	150	83	739
Methyl ethyl ketone	New River	77	56	41	92	157	423
Ethylene glycol	New River	11		24	10	12	57
Benzene	New River	1	1	1	2	1	6

City: New Market, Virginia

Facility: **Howell Metal Co.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals					250	5	255
Copper	North Fork Of The Shenandoah				250	5	255

City: Newport News, Virginia

Facility: **Newport News Shipbuilding**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		1,000	510	755	755	1,500	4,520
Nickel compounds	James River	250	250	250	250	250	1,250
Zinc compounds	James River	250	250	250	250	250	1,250
Copper compounds	James River	250	5	250	250	250	1,005
Lead compounds	James River	250	5	5	5	250	515
Chromium compounds	James River					250	250
Manganese compounds	James River					250	250

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Toxic water pollution in Virginia

Companies reporting toxic discharges to water (1990-1994)

City: Newport News, Virginia

Facility: **U.S. Army Transportation**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals						250	250
Ethylene glycol	James River					250	250

City: Norfolk, Virginia

Facility: **J. H. Miles & Co. Inc.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals				63,000	110,337	74,796	248,133
Ammonia	Elizabeth River			63,000	110,337	74,796	248,133

City: Norfolk, Virginia

Facility: **U.S. Navy**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals						16,000	16,000
Glycol ethers	Willougeby Bay					16,000	16,000

City: Norfolk, Virginia

Facility: **Norshipco**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		100	1,500	250			1,850
Copper compounds	Elizabeth River	50	750	250			1,050
Zinc compounds	Elizabeth River	50	750				800

City: Portsmouth, Virginia

Facility: **Hoechst Celanese Corp.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		41,114	36,300	14,100	6,300	13,200	111,014
Ammonia	Elizabeth River	40,993	36,300	14,100	6,300	13,200	110,893
Zinc compounds	Elizabeth River	121					121

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Toxic water pollution in Virginia

Companies reporting toxic discharges to water (1990-1994)

City: Portsmouth, Virginia

Facility: **U.S. Navy**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals						765	765
Copper compounds	Elizabeth River					750	750
1,1,1-Trichloroethane	Elizabeth River					5	5
Dichloromethane	Elizabeth River					5	5
Toluene	Elizabeth River					5	5

City: Pulaski, Virginia

Facility: **Magnox Pulaski Inc.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		126	115	129	129	161	660
Cobalt compounds	Peak Creek	106	82	108	98	120	514
Zinc compounds	Peak Creek	20	33	21	31	41	146

City: Radford, Virginia

Facility: **Hercules Inc.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		8,140	7,147	7,046	4,944	4,566	31,843
Chlorine	New River	4,333	4,900	5,530	3,610	3,955	22,328
Nitric acid	New River	1,440	940	770	690	405	4,245
Sulfuric acid	New River	1,122	730	580	520		2,952
2,4-Dinitrotoluene	New River	1,030	450	50	20	50	1,600
Dibutyl phthalate	New River	204	120	109	98	147	678
Diethyl phthalate	New River	11	7	7	6	9	40

City: Radford, Virginia

Facility: **Lynchburg Fndy. Co.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		170	60	163	61	438	892
Zinc compounds	New River			100	37	400	537
Copper	New River	135	40	55	12	18	260
Phenol	New River	35	20	8	12	20	95

Table 9

Toxic water pollution in Virginia

Companies reporting toxic discharges to water (1990-1994)

City: Richmond, Virginia

Facility: **Du Pont**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals		120,180	122,716	80,129	41,169	454	364,648
Ammonia	James River	120,000	120,000	80,000	41,000		361,000
Chlorine	James River		2,400				2,400
Chloroform	James River	180	190	20	31	350	771
Toluene	James River		70	50	47	49	216
Carbon disulfide	James River		56	50	50	37	193
Trichlorofluoromethane	James River			9	41	18	68

City: Richmond, Virginia

Facility: **Sampson Coatings Inc.**

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

City: Roanoke, Virginia

Facility: **Roanoke Electric Steel Corp.**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals		349	66	67	132	174	788
Ethylene glycol	Peters Creek	250					250
Zinc (fume or dust)	Peters Creek	21	22	22	54	77	196
Aluminum (fume or dust)	Peters Creek	23	11	28	37	37	136
Copper	Peters Creek	7	10	6	20	35	78
Manganese	Peters Creek	20	10	8	11	11	60
Chromium	Peters Creek	13	6	1	2	2	24
Lead	Peters Creek	4	2	2	5	9	22
Nickel	Peters Creek	10	5		3	3	21
Cadmium	Peters Creek	1					1

City: Salem, Virginia

Facility: **Ge Drive Sys.**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals						250	250
Copper	Mason's Creek					250	250

Table 9

Toxic water pollution in Virginia

Companies reporting toxic discharges to water (1990-1994)

City: Smithfield, Virginia
Facility: **Smithfield Packing Co.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		1,422	5,100	2,600	3,200	2,153	14,475
Ammonia	Pagan River	1,422	5,100	2,600	3,200	2,153	14,475

City: Smithfield, Virginia
Facility: **Gwaltney Of Smithfield Ltd.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		1,487	2,300	3,650	2,300	525	10,262
Ammonia	Pagan River	1,487	2,300	3,650	2,300	525	10,262

City: Vinton, Virginia
Facility: **Southern States Co-op. Inc.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		505	255	255	255	255	1,525
Manganese compounds	Tinker Creek	250	250	250	250	250	1,250
Zinc compounds	Tinker Creek	250					250
Copper compounds	Tinker Creek	5	5	5	5	5	25

City: Warsaw, Virginia
Facility: **Wood Preservers Inc.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		43	43	43	43	43	215
Arsenic compounds	Cat Point Creek	17	17	17	17	17	85
Chromium compounds	Cat Point Creek	14	14	14	14	14	70
Copper compounds	Cat Point Creek	12	12	12	12	12	60

City: Waynesboro, Virginia
Facility: **Du Pont**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		1,075	577	524	533	551	3,260
Ammonia	South River	1,075	577	524	531	551	3,258
Biphenyl	South River				2		2

Table 9

Toxic water pollution in Virginia

Companies reporting toxic discharges to water (1990-1994)

City: West Point, Virginia

Facility: **Chesapeake Paper Prods. Co.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		4,250	6,040	6,566	4,103	2,819	23,778
Chloroform	Pamunkey River	2,400	4,405	4,687	2,024	920	14,436
Catechol	Pamunkey River	1,600	1,606	1,606	82	88	4,982
Ammonia	Pamunkey River				1,561	1,561	3,122
Phenol	Pamunkey River			250		250	500
Acetone	Pamunkey River	250	29	23	186		488
Phenol	Unknown				250		250

City: Williamsburg, Virginia

Facility: **Mann Ind. Inc.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals		1,241	1,241	1,680	1,600		5,762
Zinc compounds	Unnamed Tributary To Wood		1,241	1,680	1,600		4,521
Zinc compounds	Wood Creek	1,241					1,241

City: Wise, Virginia

Facility: **Austin Powder Co.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals						250	250
Ammonium nitrate (solution)	Unnamed Tributary Of Rocky					250	250

City: Woolwine, Virginia

Facility: **Liberty Fabrics Inc.**

		Pounds of toxic chemicals discharged to water					
Chemical discharged	Receiving water	1990	1991	1992	1993	1994	1990-1994
All toxic chemicals				41	1,188	660	1,889
Glycol ethers	Smith River				1,188	660	1,848
Chromium compounds	Smith River			41			41