

Table 9

Toxic water pollution in Montana

Companies reporting toxic discharges to water (1990-1994)

City: Billings, Montana

Facility: **Exxon Billings Refinery**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals		38,500	54,102	89,292	74,121	5,480	261,495
Ammonia	Yellowstone River	38,000	54,000	89,000	74,000	5,400	260,400
Nickel compounds	Yellowstone River			180	72	76	328
Lead compounds	Yellowstone River	250	13	13	9		285
Cobalt compounds	Yellowstone River	250					250
Zinc compounds	Yellowstone River		83	89	36		208
Benzene	Yellowstone River		2	2	1	1	6
Toluene	Yellowstone River		1	3	1	1	6
Xylene (mixed isomers)	Yellowstone River		2	2	1	1	6
Naphthalene	Yellowstone River		1	2	1	1	5
Ethylbenzene	Yellowstone River			1			1

City: Billings, Montana

Facility: **Conoco Billings Refinery**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals		472	6,026	25,169	34,036	12,036	77,739
Ammonia	Yegen River		5,500	25,000	34,000	12,000	76,500
Diethanolamine	Yegen River	440	490	140			1,070
Naphthalene	Yegen River	8	8	7	8	8	39
1,2,4-Trimethylbenzene	Yegen River	4	4	4	4	4	20
Benzene	Yegen River	4	4	3	4	4	19
Cumene	Yegen River	4	4	3	4	4	19
Ethylbenzene	Yegen River	4	4	3	4	4	19
Toluene	Yegen River	4	4	3	4	4	19
Cyclohexane	Yegen River	4	4	3	4	4	19
Xylene (mixed isomers)	Yegen River		4	3	4	4	15

City: Billings, Montana

Facility: **Western Sugar Co.**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals		5				11,000	11,005
Ammonia	Yegen River	5				11,000	11,005

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Companies reporting toxic discharges to water (1990-1994)

City: Columbia Falls, Montana

Facility: **Columbia Falls Aluminum Co.**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals			350	500	500	500	1,850
Cyanide compounds	Unknown		250	250	250	250	1,000
Cyanide compounds	Flathead River		100	250	250	250	850

City: Laurel, Montana

Facility: **Cenex Refinery**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals		5,785	7,180	4,680	3,880	3,480	25,005
Ammonia	Yellowstone River	5,300	6,900	4,400	3,100	2,700	22,400
Diethanolamine	Yellowstone River	450	250	250	750	750	2,450
Benzene	Yellowstone River	5	5	5	5	5	25
1,2,4-Trimethylbenzene	Yellowstone River	5	5	5	5	5	25
Ethylbenzene	Yellowstone River	5	5	5	5	5	25
Toluene	Yellowstone River	5	5	5	5	5	25
Cyclohexane	Yellowstone River	5	5	5	5	5	25
Xylene (mixed isomers)	Yellowstone River	5	5	5	5	5	25
Lead compounds	Yellowstone River	5					5

City: Missoula, Montana

Facility: **Stone Container Corp.**

Chemical discharged	Receiving water	Pounds of toxic chemicals discharged to water					1990-1994
		1990	1991	1992	1993	1994	
All toxic chemicals		77,305	99,600	69,000	69,850	77,900	393,655
Ammonia	Clark Fork River	44,500	53,800	48,500	58,500	1,500	206,800
Methanol	Clark Fork River	23,000	26,600			74,800	124,400
Ethylene glycol	Clark Fork River		10,900	10,200	9,500		30,600
Catechol	Clark Fork River	9,000	7,500	7,100	400	400	24,400
Chloroform	Clark Fork River	800	800	800	700	1,100	4,200
Phenol	Clark Fork River			700	700	100	1,500
Acetone	Clark Fork River	5		1,400	40		1,445
Methyl ethyl ketone	Clark Fork River			300	10		310