

Table 9

Toxic water pollution in Kansas

Companies reporting toxic discharges to water (1990-1994)

City: Arkansas City, Kansas

Facility: **Total Petroleum Inc.**

| Chemical discharged | Receiving water | Pounds of toxic chemicals discharged to water | | | | | 1990-1994 |
|----------------------------|-----------------|---|--------|--------|--------|--------|----------------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | |
| All toxic chemicals | | 24,281 | 27,083 | 18,100 | 19,280 | 17,509 | 106,253 |
| Ammonia | Walnut River | 24,000 | 27,000 | 18,000 | 19,200 | 17,361 | 105,561 |
| Phenol | Walnut River | 250 | 6 | 30 | | 71 | 357 |
| Chromium | Walnut River | | 60 | 70 | 80 | | 210 |
| Chromium compounds | Walnut River | | | | | 45 | 45 |
| Nickel | Walnut River | | | | | 32 | 32 |
| Cyclohexane | Walnut River | 10 | 4 | | | | 14 |
| Xylene (mixed isomers) | Walnut River | 5 | 5 | | | | 10 |
| 1,2,4-Trimethylbenzene | Walnut River | 5 | 3 | | | | 8 |
| Toluene | Walnut River | 5 | 3 | | | | 8 |
| Ethylbenzene | Walnut River | 5 | 1 | | | | 6 |
| Benzene | Walnut River | 1 | 1 | | | | 2 |

City: Atchison, Kansas

Facility: **Midwest Grain Products Inc.**

| Chemical discharged | Receiving water | Pounds of toxic chemicals discharged to water | | | | | 1990-1994 |
|----------------------------|------------------|---|------|------|------|------|--------------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | |
| All toxic chemicals | | 250 | 255 | 255 | 255 | 5 | 1,020 |
| Propylene oxide | White Clay Creek | 250 | 250 | 250 | | | 750 |
| Propylene oxide | White Clay Creek | | | | 250 | | 250 |
| Chlorine | White Clay Creek | | 5 | 5 | 5 | 5 | 20 |

City: Augusta, Kansas

Facility: **Coastal Refining & Marketing**

| Chemical discharged | Receiving water | Pounds of toxic chemicals discharged to water | | | | | 1990-1994 |
|----------------------------|-------------------|---|------|------|------|------|------------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | |
| All toxic chemicals | | 25 | 40 | 40 | | | 105 |
| 1,2,4-Trimethylbenzene | White Water River | | 5 | 5 | | | 10 |
| Ethylbenzene | White Water River | | 5 | 5 | | | 10 |
| Toluene | White Water River | | 5 | 5 | | | 10 |
| Cyclohexane | White Water River | | 5 | 5 | | | 10 |
| Xylene (mixed isomers) | White Water River | | 5 | 5 | | | 10 |
| Carbon tetrachloride | White Water River | | 5 | | | | 5 |
| Carbon tetrachloride | White River | | | 5 | | | 5 |
| Benzene | White Water River | | 5 | | | | 5 |
| Benzene | White Water | | | 5 | | | 5 |
| Cumene | White Water River | | 5 | | | | 5 |
| Cumene | White Water | | | 5 | | | 5 |
| Carbon tetrachloride | Whitewater River | 5 | | | | | 5 |
| Xylene (mixed isomers) | Whitewater River | 5 | | | | | 5 |
| Ethylbenzene | Whitewater River | 5 | | | | | 5 |
| Benzene | Whitewater River | 5 | | | | | 5 |
| Toluene | Whitewater River | 5 | | | | | 5 |

Table 9

Toxic water pollution in Kansas

Companies reporting toxic discharges to water (1990-1994)

City: Coffeyville, Kansas

Facility: **Farmland Ind. Inc.**

| | | Pounds of toxic chemicals discharged to water | | | | | |
|----------------------------|-----------------|---|--------|-------|-------|--------|---------------|
| Chemical discharged | Receiving water | 1990 | 1991 | 1992 | 1993 | 1994 | 1990-1994 |
| All toxic chemicals | | 18,653 | 26,201 | 8,236 | 6,626 | 10,334 | 70,050 |
| Ammonia | Claymore Creek | 18,000 | 25,461 | 7,437 | 6,102 | 9,876 | 66,876 |
| Methanol | Claymore Creek | 520 | 544 | 594 | 475 | 309 | 2,442 |
| Phenol | Claymore Creek | 120 | 100 | 193 | 49 | 48 | 510 |
| Lead compounds | Claymore Creek | 13 | 96 | 12 | | | 121 |
| Xylene (mixed isomers) | Claymore Creek | | | | | 44 | 44 |
| Toluene | Claymore Creek | | | | | 35 | 35 |
| Benzene | Claymore Creek | | | | | 14 | 14 |
| Ethylbenzene | Claymore Creek | | | | | 8 | 8 |

City: Coffeyville, Kansas

Facility: **Coffeyville Re-con Inc.**

| | | Pounds of toxic chemicals discharged to water | | | | | |
|----------------------------|-----------------|---|------|------|------|------|--------------|
| Chemical discharged | Receiving water | 1990 | 1991 | 1992 | 1993 | 1994 | 1990-1994 |
| All toxic chemicals | | 750 | 750 | 750 | | | 2,250 |
| Hydrochloric acid | Verdigris River | 750 | 750 | 750 | | | 2,250 |

City: Coffeyville, Kansas

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 | | | | | 210 | 69 | 279 |
| Zinc compounds | Verdigris River | | | | 205 | 65 | 270 |
| Lead compounds | Verdigris River | | | | 5 | 4 | 9 |

City: Colwich, Kansas

Facility: **High Plains Corp.**

| | | Pounds of toxic chemicals discharged to water | | | | | |
|----------------------------|-----------------|---|------|------|------|------|------------|
| Chemical discharged | Receiving water | 1990 | 1991 | 1992 | 1993 | 1994 | 1990-1994 |
| All toxic chemicals | | | 10 | 10 | 250 | 250 | 520 |
| Ammonia | Arkansas River | | 5 | 5 | 250 | 250 | 510 |
| Sulfuric acid | Arkansas River | | 5 | 5 | | | 10 |

Table 9

Toxic water pollution in Kansas

Companies reporting toxic discharges to water (1990-1994)

City: De Soto, Kansas

Facility: **Hercules Inc. Sunflower Army**

| Chemical discharged | Receiving water | Pounds of toxic chemicals discharged to water | | | | | 1990-1994 |
|----------------------------|-----------------|---|-------|------|------|------|--------------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | |
| All toxic chemicals | | 1,241 | 4,680 | 710 | | | 6,631 |
| Ammonia | Kill Creek | 690 | 2,500 | 520 | | | 3,710 |
| Ammonia | Cross Creek | 530 | 880 | 60 | | | 1,470 |
| Ammonia | Captain Creek | 21 | 1,300 | 130 | | | 1,451 |

City: El Dorado, Kansas

Facility: **Texaco Refining & Marketing**

| Chemical discharged | Receiving water | Pounds of toxic chemicals discharged to water | | | | | 1990-1994 |
|----------------------------|-----------------|---|--------|--------|--------|-------|---------------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | |
| All toxic chemicals | | 14,241 | 19,382 | 20,781 | 10,758 | 8,006 | 73,168 |
| Ammonia | Walnut River | 2,300 | 12,000 | 4,800 | 4,700 | 5,100 | 28,900 |
| Acetone | Walnut River | 7,000 | 4,000 | 2,300 | 1,500 | | 14,800 |
| Pyridine | Walnut River | | | 9,400 | | 37 | 9,437 |
| Manganese compounds | Walnut River | 1,200 | 1,000 | 970 | 1,100 | 948 | 5,218 |
| Barium compounds | Walnut River | 660 | 590 | 660 | 380 | 840 | 3,130 |
| Toluene | Walnut River | 660 | 300 | 500 | 610 | 230 | 2,300 |
| Xylene (mixed isomers) | Walnut River | 760 | 350 | 260 | 570 | 167 | 2,107 |
| Chromium compounds | Walnut River | 250 | 330 | 370 | 260 | | 1,210 |
| Cyclohexane | Walnut River | 80 | 220 | 340 | 280 | 42 | 962 |
| Benzene | Walnut River | 300 | 75 | 160 | 230 | 150 | 915 |
| Ethylbenzene | Walnut River | 110 | 63 | 190 | 240 | 56 | 659 |
| Arsenic compounds | Walnut River | 120 | 110 | 100 | 130 | 160 | 620 |
| Zinc compounds | Walnut River | 150 | 140 | 85 | 230 | | 605 |
| 1,2,4-Trimethylbenzene | Walnut River | 200 | 19 | 280 | 59 | 13 | 571 |
| Cumene | Walnut River | 280 | 16 | 120 | 95 | 54 | 565 |
| Copper compounds | Walnut River | 51 | 46 | 130 | 110 | 33 | 370 |
| Phenol | Walnut River | 57 | 55 | 73 | 78 | 92 | 355 |
| Nickel compounds | Walnut River | 51 | 46 | 33 | 130 | 16 | 276 |
| Methanol | Walnut River | 10 | 20 | 8 | 15 | 17 | 70 |
| Cobalt compounds | Walnut River | | | | 26 | 33 | 59 |
| Cadmium compounds | Walnut River | | | | 13 | 16 | 29 |
| Ethylene glycol | Walnut River | 2 | 2 | 2 | 2 | 2 | 10 |

City: El Dorado, Kansas

Facility: **Coastal Refining & Marketing**

| Chemical discharged | Receiving water | Pounds of toxic chemicals discharged to water | | | | | 1990-1994 |
|----------------------------|--------------------------|---|------|-------|------|------|--------------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | |
| All toxic chemicals | | 10 | 15 | 1,637 | | | 1,662 |
| Ammonia | Walnut River | | | 1,600 | | | 1,600 |
| Phenol | Walnut River | | | 16 | | | 16 |
| Benzene | West Branch Walnut River | 5 | 5 | 5 | | | 15 |
| Toluene | West Branch Walnut River | 5 | 5 | 5 | | | 15 |
| Xylene (mixed isomers) | West Branch Walnut River | | 5 | 5 | | | 10 |
| Chromium | Walnut River | | | 6 | | | 6 |

Table 9

Toxic water pollution in Kansas

Companies reporting toxic discharges to water (1990-1994)

City: Emporia, Kansas

Facility: **Ibp Inc.**

| | | Pounds of toxic chemicals discharged to water | | | | | |
|----------------------------|------------------|---|------|------|------|------|--------------|
| Chemical discharged | Receiving water | 1990 | 1991 | 1992 | 1993 | 1994 | 1990-1994 |
| All toxic chemicals | | 250 | 250 | 250 | 250 | 250 | 1,250 |
| Ammonia | Cottonwood River | 250 | 250 | 250 | 250 | 250 | 1,250 |

City: Fort Riley, Kansas

Facility: **U.S. Army Fort Riley**

| | | Pounds of toxic chemicals discharged to water | | | | | |
|----------------------------|----------------------|---|------|------|------|------|------------|
| Chemical discharged | Receiving water | 1990 | 1991 | 1992 | 1993 | 1994 | 1990-1994 |
| All toxic chemicals | | | | | | 281 | 281 |
| Ethylene glycol | Kansas River | | | | | 232 | 232 |
| Ethylene glycol | Republican River | | | | | 42 | 42 |
| Ethylene glycol | Milford Lake | | | | | 4 | 4 |
| Ethylene glycol | Cameron Springs Pond | | | | | 2 | 2 |
| Tetrachloroethylene | Kansas River | | | | | 1 | 1 |

City: Galena, Kansas

Facility: **Allco Chemical Corp.**

| | | Pounds of toxic chemicals discharged to water | | | | | |
|-----------------------------|-----------------------------|---|-------|-------|--------|-------|---------------|
| Chemical discharged | Receiving water | 1990 | 1991 | 1992 | 1993 | 1994 | 1990-1994 |
| All toxic chemicals | | 6,555 | 6,900 | 5,200 | 10,500 | 8,700 | 37,855 |
| Ammonium nitrate (solution) | Spring River Via Oxbow Lake | | 6,500 | 5,200 | 8,500 | 8,200 | 28,400 |
| Ammonium nitrate (solution) | Oxbow Lake | 6,300 | | | | | 6,300 |
| Nitric acid | Spring River Via Oxbow Lake | | | | 2,000 | 250 | 2,250 |
| Ammonia | Spring River Via Oxbow Lake | | 400 | | | | 400 |
| o-Xylene | Spring River Via Oxbow Lake | | | | | 250 | 250 |
| Ammonia | Oxbow Lake | 250 | | | | | 250 |
| Nitric acid | Oxbow Lake | 5 | | | | | 5 |

City: Great Bend, Kansas

Facility: **Great Bend Packing Co. Inc.**

| | | Pounds of toxic chemicals discharged to water | | | | | |
|----------------------------|-----------------|---|-------|-------|-------|-------|---------------|
| Chemical discharged | Receiving water | 1990 | 1991 | 1992 | 1993 | 1994 | 1990-1994 |
| All toxic chemicals | | 5,711 | 7,000 | 4,500 | 5,955 | 3,581 | 26,747 |
| Ammonia | Arkansas River | 5,711 | 7,000 | 4,500 | 5,955 | 3,581 | 26,747 |

Table 9

Toxic water pollution in Kansas

Companies reporting toxic discharges to water (1990-1994)

City: Hillsboro, Kansas

Facility: **Associated Milk Producers Inc.**

| | | Pounds of toxic chemicals discharged to water | | | | | |
|----------------------------|-----------------------------|---|-------|-------|------|------|--------------|
| Chemical discharged | Receiving water | 1990 | 1991 | 1992 | 1993 | 1994 | 1990-1994 |
| All toxic chemicals | | | 4,800 | 4,800 | | | 9,600 |
| Phosphoric acid | Marion Reservoir Via French | | 3,800 | 3,800 | | | 7,600 |
| Nitric acid | Marion Reservoir Via French | | 1,000 | 1,000 | | | 2,000 |

City: Hutchinson, Kansas

Facility: **Republic Paperboard Co.**

| | | Pounds of toxic chemicals discharged to water | | | | | |
|----------------------------|-----------------|---|------|------|------|------|--------------|
| Chemical discharged | Receiving water | 1990 | 1991 | 1992 | 1993 | 1994 | 1990-1994 |
| All toxic chemicals | | 255 | 250 | 250 | 250 | 250 | 1,255 |
| Chlorine | Arkansas River | 250 | 250 | 250 | 250 | 250 | 1,250 |
| Hydrochloric acid | Arkansas River | 5 | | | | | 5 |

City: Kansas City, Kansas

Facility: **Owens-Corning Fiberglas Corp.**

| | | Pounds of toxic chemicals discharged to water | | | | | |
|----------------------------|-----------------|---|--------|------|------|------|---------------|
| Chemical discharged | Receiving water | 1990 | 1991 | 1992 | 1993 | 1994 | 1990-1994 |
| All toxic chemicals | | | 11,000 | | | | 11,000 |
| Phosphoric acid | Missouri River | | 11,000 | | | | 11,000 |

City: Kansas City, Kansas

Facility: **Gard Corp.**

| | | Pounds of toxic chemicals discharged to water | | | | | |
|----------------------------|-----------------|---|------|------|------|------|--------------|
| Chemical discharged | Receiving water | 1990 | 1991 | 1992 | 1993 | 1994 | 1990-1994 |
| All toxic chemicals | | 1,505 | 520 | 10 | 15 | | 2,050 |
| Cumene | Turkey Creek | 250 | 250 | | | | 500 |
| 2-Methoxyethanol | Turkey Creek | 250 | 5 | | | | 255 |
| Xylene (mixed isomers) | Turkey Creek | 250 | 5 | | | | 255 |
| Zinc compounds | Tukey Creek | | 250 | | | | 250 |
| Ethylbenzene | Turkey Creek | 250 | | | | | 250 |
| Methanol | Turkey Creek | 250 | | | | | 250 |
| Zinc compounds | Turkey Creek | 250 | | | | | 250 |
| Glycol ethers | Turkey Creek | 5 | 5 | 5 | 5 | | 20 |
| 1,2,4-Trimethylbenzene | Turkey Creek | | 5 | | 5 | | 10 |
| Toluene | Turkey Creek | | | 5 | 5 | | 10 |

Table 9

Toxic water pollution in Kansas

Companies reporting toxic discharges to water (1990-1994)

City: Kansas City, Kansas

Facility: **General Motors Corp.**

| 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 | Missouri River | | | | 250 | 250 | 500 |

City: Kansas City, Kansas

Facility: **Harcros Chemicals Inc.**

| Chemical discharged | Receiving water | Pounds of toxic chemicals discharged to water | | | | | 1990-1994 |
|----------------------------|-----------------|---|------|------|------|------|------------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | |
| All toxic chemicals | | 95 | 85 | 65 | 65 | 60 | 370 |
| Phosphoric acid | Kansas River | 5 | 10 | 5 | 5 | 5 | 30 |
| Sulfuric acid | Kansas River | 5 | 10 | 5 | 5 | 5 | 30 |
| n-Butyl alcohol | Kansas River | 5 | 5 | 5 | 5 | 5 | 25 |
| Ethylene oxide | Kansas River | 5 | 5 | 5 | 5 | 5 | 25 |
| Propylene oxide | Kansas River | 5 | 5 | 5 | 5 | 5 | 25 |
| 1,2,4-Trimethylbenzene | Kansas River | 5 | 5 | 5 | 5 | 5 | 25 |
| Cumene | Kansas River | 5 | 5 | 5 | 5 | 5 | 25 |
| Diethanolamine | Kansas River | 5 | 5 | 5 | 5 | 5 | 25 |
| Nitric acid | Kansas River | 5 | 5 | 5 | 5 | 5 | 25 |
| Glycol ethers | Kansas River | 5 | 5 | 5 | 5 | 5 | 25 |
| Methanol | Kansas River | 5 | 5 | 5 | 5 | | 20 |
| Ethylene glycol | Kansas River | 5 | 5 | 5 | 5 | | 20 |
| Hydrochloric acid | Kansas River | | | 5 | 5 | 5 | 15 |
| Acetone | Kansas River | 5 | 5 | | | | 10 |
| Ethylbenzene | Kansas River | 5 | 5 | | | | 10 |
| Xylene (mixed isomers) | Kansas River | 5 | 5 | | | | 10 |
| Formic acid | Kansas River | | | | | 5 | 5 |
| Tetrachloroethylene | Kansas River | 5 | | | | | 5 |
| Copper compounds | Kansas River | 5 | | | | | 5 |
| Toluene | Kansas River | 5 | | | | | 5 |
| Ammonia | Kansas River | 5 | | | | | 5 |

City: Kansas City, Kansas

Facility: **PBI/Gordon Corp.**

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

Table 9

Toxic water pollution in Kansas

Companies reporting toxic discharges to water (1990-1994)

City: Lawrence, Kansas

Facility: **Farmland Ind. Inc.**

| Chemical discharged | Receiving water | Pounds of toxic chemicals discharged to water | | | | | 1990-1994 |
|-----------------------------|-----------------|---|---------|---------|---------|---------|------------------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | |
| All toxic chemicals | | 959,560 | 817,390 | 642,100 | 659,600 | 324,500 | 3,403,150 |
| Ammonium nitrate (solution) | Kansas River | 950,000 | 805,100 | 640,000 | 643,400 | 317,500 | 3,356,000 |
| Diethanolamine | Kansas River | 5,800 | 9,100 | | 6,000 | 5,000 | 25,900 |
| Ammonia | Kansas River | 1,800 | 2,200 | 2,100 | 10,200 | 2,000 | 18,300 |
| Copper compounds | Kansas River | 1,200 | | | | | 1,200 |
| Aluminum oxide (fibrous) | Kansas River | | 810 | | | | 810 |
| Zinc compounds | Kansas River | 750 | | | | | 750 |
| Nickel compounds | Kansas River | | 180 | | | | 180 |
| Nitric acid | Kansas River | 5 | | | | | 5 |
| Sulfuric acid | Kansas River | 5 | | | | | 5 |

City: Lawrence, Kansas

Facility: **FMC Corp.**

| Chemical discharged | Receiving water | Pounds of toxic chemicals discharged to water | | | | | 1990-1994 |
|----------------------------|-----------------|---|------|------|------|------|------------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | |
| All toxic chemicals | | 79 | 78 | 45 | | | 202 |
| Arsenic compounds | Kansas River | 79 | 78 | 45 | | | 202 |

City: Leavenworth, Kansas

Facility: **GNB Tech. Inc.**

| Chemical discharged | Receiving water | Pounds of toxic chemicals discharged to water | | | | | 1990-1994 |
|----------------------------|-----------------|---|------|------|------|------|------------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | |
| All toxic chemicals | | | 60 | 250 | 60 | 84 | 454 |
| Lead compounds | Five Mile Creek | | 60 | 250 | 60 | 84 | 454 |

City: Mc Pherson, Kansas

Facility: **National Co-op. Refinery**

| Chemical discharged | Receiving water | Pounds of toxic chemicals discharged to water | | | | | 1990-1994 |
|----------------------------|-----------------|---|------|-------|-------|-------|---------------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | |
| All toxic chemicals | | 6,405 | 748 | 3,215 | 3,537 | 3,156 | 17,061 |
| Ammonia | Bull Creek | | | | 3,401 | 3,100 | 6,501 |
| Ammonia | Turkey Creek | 6,348 | | | | | 6,348 |
| Ammonia | Unknown | | 730 | 3,197 | | | 3,927 |
| Ethylene glycol | Bull Creek | | | | 110 | | 110 |
| Lead | Turkey Creek | 27 | | | | | 27 |
| Naphthalene | Bull Creek | | | | 6 | 12 | 18 |
| 1,2,4-Trimethylbenzene | Bull Creek | | | | 6 | 12 | 18 |
| Cyclohexane | Bull Creek | | | | 6 | 12 | 18 |
| Cumene | Bull Creek | | | | | 12 | 12 |
| 1,2,4-Trimethylbenzene | Unknown | | 3 | 3 | | | 6 |
| Ethylbenzene | Unknown | | 3 | 3 | | | 6 |
| Cyclohexane | Unknown | | 3 | 3 | | | 6 |
| Xylene (mixed isomers) | Unknown | | 3 | 3 | | | 6 |
| Xylene (mixed isomers) | Bull Creek | | | | 2 | 3 | 5 |
| Benzene | Turkey Creek | 5 | | | | | 5 |
| Cyclohexane | Turkey Creek | 5 | | | | | 5 |
| Ethylbenzene | Turkey Creek | 5 | | | | | 5 |

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

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Table 9

Toxic water pollution in Kansas

Companies reporting toxic discharges to water (1990-1994)

City: Mc Pherson, Kansas

Facility: **National Co-op. Refinery**

| Chemical discharged | Receiving water | Pounds of toxic chemicals discharged to water | | | | | 1990-1994 |
|----------------------------|---------------------------|---|------|-------|-------|-------|---------------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | |
| All toxic chemicals | | 6,405 | 748 | 3,215 | 3,537 | 3,156 | 17,061 |
| Toluene | Turkey Creek | 5 | | | | | 5 |
| 1,2,4-Trimethylbenzene | Turkey Creek | 5 | | | | | 5 |
| Xylene (mixed isomers) | Turkey Creek | 5 | | | | | 5 |
| Methanol | Bull Creek | | | | 2 | 1 | 3 |
| Benzene | Unnamed Tributary Turkey | | 3 | | | | 3 |
| Benzene | Unknown | | | 3 | | | 3 |
| Ethylbenzene | Bull Creek | | | | 1 | 2 | 3 |
| Toluene | Unknown | | 3 | | | | 3 |
| Toluene | Unmaed Tributary - Turkey | | | 3 | | | 3 |
| Toluene | Bull Creek | | | | 2 | 1 | 3 |
| Benzene | Bull Creek | | | | 1 | | 1 |
| Benzene | Bull Creek | | | | | 1 | 1 |

City: Parsons, Kansas

Facility: **Day & Zimmermann Kansas Army**

| Chemical discharged | Receiving water | Pounds of toxic chemicals discharged to water | | | | | 1990-1994 |
|----------------------------|-----------------|---|------|------|------|------|------------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | |
| All toxic chemicals | | 30 | 250 | | | | 280 |
| Chlorine | Neosho River | | 250 | | | | 250 |
| Chlorine | Labette Creek | 30 | | | | | 30 |

City: Pittsburg, Kansas

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 | | | 185 | 45 | 35 | | 265 |
| Methanol | Oxbow Lake | | 150 | 5 | 5 | | 160 |
| n-Butyl alcohol | Oxbow Lake | | 5 | 5 | 5 | | 15 |
| Toluene | Oxbow Lake | | 5 | 5 | 5 | | 15 |
| Manganese compounds | Oxbow Lake | | 5 | 5 | 5 | | 15 |
| o-Xylene | Oxbow Lake | | 5 | 5 | | | 10 |
| p-Cresol | Oxbow Lake | | 5 | 5 | | | 10 |
| m-Xylene | Oxbow Lake | | 5 | 5 | | | 10 |
| Acetone | Oxbow Lake | | | 5 | | | 5 |
| Chlorobenzene | Oxbow Lake | | | | 5 | | 5 |
| Phenol | Oxbow Lake | | | 5 | | | 5 |
| Tetrachloroethylene | Oxbow Lake | | | | 5 | | 5 |
| Xylene (mixed isomers) | Oxbow Lake | | | | 5 | | 5 |
| Hydrochloric acid | Oxbow Lake | | 5 | | | | 5 |

Table 9

Toxic water pollution in Kansas

Companies reporting toxic discharges to water (1990-1994)

City: Salina, Kansas

Facility: **Tony's Pizza Service**

| | | Pounds of toxic chemicals discharged to water | | | | | |
|----------------------------|-----------------|---|------|------|--------|------|---------------|
| Chemical discharged | Receiving water | 1990 | 1991 | 1992 | 1993 | 1994 | 1990-1994 |
| All toxic chemicals | | | | | 20,000 | | 20,000 |
| Ethylene glycol | Dry Creek | | | | 20,000 | | 20,000 |

City: Tecumseh, Kansas

Facility: **Flexel Inc.**

| | | Pounds of toxic chemicals discharged to water | | | | | |
|----------------------------|-----------------|---|-------|-------|-------|-------|---------------|
| Chemical discharged | Receiving water | 1990 | 1991 | 1992 | 1993 | 1994 | 1990-1994 |
| All toxic chemicals | | 2,960 | 3,300 | 3,500 | 3,400 | 3,600 | 16,760 |
| Ammonia | Kansas River | 2,960 | 3,300 | 3,500 | 3,400 | 3,600 | 16,760 |

City: Topeka, Kansas

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

| | | Pounds of toxic chemicals discharged to water | | | | | |
|----------------------------|-----------------|---|-------|-------|-------|------|--------------|
| Chemical discharged | Receiving water | 1990 | 1991 | 1992 | 1993 | 1994 | 1990-1994 |
| All toxic chemicals | | 511 | 2,300 | 3,600 | 1,100 | 900 | 8,411 |
| Zinc compounds | Soldier Creek | 500 | 2,300 | 3,600 | 1,100 | 900 | 8,400 |
| Toluene | Soldier Creek | 11 | | | | | 11 |

City: Wichita, Kansas

Facility: **Boeing Wichita**

| | | Pounds of toxic chemicals discharged to water | | | | | |
|----------------------------|--------------------------|---|-------|--------|-------|-------|---------------|
| Chemical discharged | Receiving water | 1990 | 1991 | 1992 | 1993 | 1994 | 1990-1994 |
| All toxic chemicals | | 1,220 | 2,870 | 14,760 | 1,290 | 1,020 | 21,160 |
| Aluminum (fume or dust) | Arkansas River | | | 12,740 | | | 12,740 |
| Chromium compounds | Arkansas River | | | 250 | 250 | 750 | 1,250 |
| Cyanide compounds | Lower Arkansas River Via | | 1,100 | | | | 1,100 |
| Zinc compounds | Arkansas River | | | 750 | 250 | | 1,000 |
| Lead | Arkansas River | | | 250 | 250 | 5 | 505 |
| Copper compounds | Arkansas River | | | 250 | 5 | 250 | 505 |
| Dichloromethane | Lower Arkansas River Via | 5 | 250 | | | | 255 |
| Trichloroethylene | Lower Arkansas River Via | 250 | 5 | | | | 255 |
| Trichloroethylene | Arkansas River | | | 250 | 5 | | 255 |
| Toluene | Arkansas River | | | | 250 | 5 | 255 |
| Chromium compounds | Lower Arkansas River Via | 5 | 250 | | | | 255 |
| n-Butyl alcohol | Lower Arkansas River Via | | 250 | | | | 250 |
| Lead | Lower Arkansas River Via | | 250 | | | | 250 |
| Barium compounds | Arkansas River | | | 250 | | | 250 |
| Cadmium compounds | Lower Arkansas River Via | | 250 | | | | 250 |
| Copper compounds | Lower Arkansas River Via | | 250 | | | | 250 |
| Nickel compounds | Arkansas River | | | | 250 | | 250 |
| Zinc compounds | Lower Arkansas River Via | | 250 | | | | 250 |
| 1,1,1-Trichloroethane | Lower Arkansas River Via | 250 | | | | | 250 |
| Xylene (mixed isomers) | Lower Arkansas River Via | 250 | | | | | 250 |
| Tetrachloroethylene | Lower Arkansas River Via | 250 | | | | | 250 |
| Tetrachloroethylene | Arkansas River | | | 5 | 5 | 5 | 15 |
| Ethylbenzene | Arkansas River | | | | 5 | 5 | 10 |
| Toluene | Lower Arkansas River Via | 5 | 5 | | | | 10 |

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

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Table 9

Toxic water pollution in Kansas

Companies reporting toxic discharges to water (1990-1994)

City: Wichita, Kansas

Facility: **Boeing Wichita**

| Chemical discharged | Receiving water | Pounds of toxic chemicals discharged to water | | | | | 1990-1994 |
|----------------------------|--------------------------------|---|-------|--------|-------|-------|---------------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | |
| All toxic chemicals | | 1,220 | 2,870 | 14,760 | 1,290 | 1,020 | 21,160 |
| Xylene (mixed isomers) | Arkansas River | | | 5 | 5 | | 10 |
| Hydrochloric acid | Lower Arkansas River Via | 5 | 5 | | | | 10 |
| Sulfuric acid | Lower Arkansas River Via | 5 | 5 | | | | 10 |
| Acetone | Arkansas River | | | | 5 | | 5 |
| Benzene | Arkansas River | | | | 5 | | 5 |
| Phenol | Arkansas River | | | | 5 | | 5 |
| Cadmium compounds | Lower Arkansas River Via | | | 5 | | | 5 |
| Cyanide compounds | Arkansas River | | | 5 | | | 5 |
| Benzene | Lower Arkansas River Via | 5 | | | | | 5 |
| Benzene | Lower Arkansas River Basin | 5 | | | | | 5 |
| Ethylene glycol | Lower Arkansas River Via | 5 | | | | | 5 |
| Ethylene glycol | Lower Arkansas River Basin | 5 | | | | | 5 |
| Chromium compounds | Lower Arkansas River Basin | 5 | | | | | 5 |
| 1,1,1-Trichloroethane | Lower Arkansas River Basin | 5 | | | | | 5 |
| Dichloromethane | Lower Arkansas River Basin | 5 | | | | | 5 |
| Freon 113 | Lower Arkansas River Via | 5 | | | | | 5 |
| Freon 113 | Lower Arkansas River Basin | 5 | | | | | 5 |
| Methyl ethyl ketone | Lower Arkansas River Via | 5 | | | | | 5 |
| Methyl ethyl ketone | Lower Arkansas River Basin | 5 | | | | | 5 |
| Trichloroethylene | Lower Arkansas River Basin | 5 | | | | | 5 |
| Naphthalene | Lower Arkansas River Via | 5 | | | | | 5 |
| Naphthalene | Lower Arkansas River Basin | 5 | | | | | 5 |
| 1,2,4-Trimethylbenzene | Lower Arkansas River Via | 5 | | | | | 5 |
| 1,2,4-Trimethylbenzene | Lower Arkansas River Basin | 5 | | | | | 5 |
| Nitric acid | Lower Arkansas River Via | 5 | | | | | 5 |
| Nitric acid | Lower Arkansas River Basin | 5 | | | | | 5 |
| Sulfuric acid | Lower Arkansas River Basin | 5 | | | | | 5 |
| Hydrogen fluoride | Lower Arkansas River Via | 5 | | | | | 5 |
| Hydrogen fluoride | Lower Arkansas River Basin | 5 | | | | | 5 |
| Phosphoric acid | Lower Arkansas River Via | 5 | | | | | 5 |
| Phosphoric acid | Lower Arkansas River Basin | 5 | | | | | 5 |
| Acetone | Lower Arkansas River Via | 5 | | | | | 5 |
| Acetone | Lower Arkansas River Basin | 5 | | | | | 5 |
| 1,2-Dichloroethane | Lower Arkansas River Via | 5 | | | | | 5 |
| 1,2-Dichloroethane | Lower Arkansas River Basin | 5 | | | | | 5 |
| Methyl isobutyl ketone | Lower Arkansas River Via Trib. | 5 | | | | | 5 |
| Methyl isobutyl ketone | Lower Arkansas River Basin | 5 | | | | | 5 |
| Toluene | Lower Arkansas River Basin | 5 | | | | | 5 |
| Phenol | Lower Arkansas River Via | 5 | | | | | 5 |
| Phenol | Lower Arkansas River Basin | 5 | | | | | 5 |
| Hydrochloric acid | Lower Arkansas River Basin | 5 | | | | | 5 |
| Xylene (mixed isomers) | Lower Arkansas River Basin | 5 | | | | | 5 |
| Tetrachloroethylene | Lower Arkansas River Basin | 5 | | | | | 5 |
| Cyclohexane | Lower Arkansas River Via | 5 | | | | | 5 |
| Cyclohexane | Lower Arkansas River Basin | 5 | | | | | 5 |
| 2-Ethoxyethanol | Lower Arkansas River Via | 5 | | | | | 5 |
| 2-Ethoxyethanol | Lower Arkansas River Basin | 5 | | | | | 5 |

Table 9

Toxic water pollution in Kansas

Companies reporting toxic discharges to water (1990-1994)

City: Wichita, Kansas

Facility: **Cessna Aircraft**

| Chemical discharged | Receiving water | Pounds of toxic chemicals discharged to water | | | | | 1990-1994 |
|----------------------------|-----------------|---|------|------|------|------|------------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | |
| All toxic chemicals | | | 5 | 101 | 3 | 1 | 110 |
| Trichloroethylene | Arkansas River | | 5 | 101 | 3 | 1 | 110 |