

# Table 9

## Toxic water pollution in Colorado

### Companies reporting toxic discharges to water (1990-1994)

City: Aurora, Colorado

Facility: **U.S. Army Fitzsimons**

|                            |                 | Pounds of toxic chemicals discharged to water |      |      |      |      |            |
|----------------------------|-----------------|---|------|------|------|------|------------|
| Chemical discharged        | Receiving water | 1990  | 1991 | 1992 | 1993 | 1994 | 1990-1994  |
| <b>All toxic chemicals</b> |                 |   |      |      |      | 460  | <b>460</b> |
| Chlorine                   | Toll Gate Creek |   |      |      |      | 460  | <b>460</b> |

City: Commerce City, Colorado

Facility: **Conoco Denver Refinery**

|                            |                 | Pounds of toxic chemicals discharged to water |        |        |        |        |                |
|----------------------------|-----------------|---|--------|--------|--------|--------|----------------|
| Chemical discharged        | Receiving water | 1990  | 1991   | 1992   | 1993   | 1994   | 1990-1994      |
| <b>All toxic chemicals</b> |                 | 21,026  | 21,026 | 15,527 | 44,915 | 10,932 | <b>113,426</b> |
| Ammonia                    | Sand Creek      | 20,000  | 20,000 | 14,000 | 44,000 | 7,900  | <b>105,900</b> |
| Methyl tert-butyl ether    | Sand Creek      | 1,000   | 1,000  | 1,500  | 880    | 3,000  | <b>7,380</b>   |
| Naphthalene                | Sand Creek      | 5   | 5      | 8      | 8      | 7      | <b>33</b>      |
| Xylene (mixed isomers)     | Sand Creek      | 3   | 3      | 4      | 7      | 6      | <b>23</b>      |
| Cumene                     | Sand Creek      | 3   | 3      | 4      | 4      | 4      | <b>18</b>      |
| Toluene                    | Sand Creek      | 3   | 3      | 1      | 6      | 5      | <b>18</b>      |
| Cyclohexane                | Sand Creek      | 3   | 3      | 4      | 4      | 4      | <b>18</b>      |
| 1,2,4-Trimethylbenzene     | Sand Creek      |   | 3      | 4      | 4      | 4      | <b>15</b>      |
| Benzene                    | Sand Creek      | 3   | 3      | 1      | 1      | 1      | <b>9</b>       |
| Ethylbenzene               | Sand Creek      | 3   | 3      | 1      | 1      | 1      | <b>9</b>       |
| 1,2,4-Trimethylbenzene     | Dand Creek      | 3   |        |        |        |        | <b>3</b>       |

City: Commerce City, Colorado

Facility: **Colorado Refining Co.**

|                            |                 | Pounds of toxic chemicals discharged to water |        |       |       |       |               |
|----------------------------|-----------------|---|--------|-------|-------|-------|---------------|
| Chemical discharged        | Receiving water | 1990  | 1991   | 1992  | 1993  | 1994  | 1990-1994     |
| <b>All toxic chemicals</b> |                 | 4,069   | 17,732 | 2,375 | 2,849 | 1,027 | <b>28,052</b> |
| Ammonia                    | Sand Creek      | 4,000   | 14,000 | 2,300 | 2,800 | 1,000 | <b>24,100</b> |
| Methyl tert-butyl ether    | Sand Creek      | 43  | 3,700  | 41    | 33    | 2     | <b>3,819</b>  |
| Chlorine                   | Sand Creek      | 26  | 32     | 34    | 16    | 25    | <b>133</b>    |

City: Commerce City, Colorado

Facility: **Five Star Corp.**

|                            |                 | Pounds of toxic chemicals discharged to water |      |      |      |      |            |
|----------------------------|-----------------|---|------|------|------|------|------------|
| Chemical discharged        | Receiving water | 1990  | 1991 | 1992 | 1993 | 1994 | 1990-1994  |
| <b>All toxic chemicals</b> |                 |   |      |      |      | 505  | <b>505</b> |
| Hydrochloric acid          | Sand Creek      |   |      |      |      | 250  | <b>250</b> |
| Phosphoric acid            | Sand Creek      |   |      |      |      | 250  | <b>250</b> |
| Sulfuric acid              | Sand Creek      |   |      |      |      | 5    | <b>5</b>   |

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City: Denver, Colorado

Facility: **AAA Plating Inc.**

|                            |                 | Pounds of toxic chemicals discharged to water |      |      |      |      |            |
|----------------------------|-----------------|---|------|------|------|------|------------|
| Chemical discharged        | Receiving water | 1990  | 1991 | 1992 | 1993 | 1994 | 1990-1994  |
| <b>All toxic chemicals</b> |                 | 250   |      |      |      |      | <b>250</b> |
| Hydrochloric acid          | Platte River    | 250   |      |      |      |      | <b>250</b> |

City: Florence, Colorado

Facility: **U.S. Bureau Of Prisons Federal**

|                            |                 | Pounds of toxic chemicals discharged to water |      |      |      |        |               |
|----------------------------|-----------------|---|------|------|------|--------|---------------|
| Chemical discharged        | Receiving water | 1990  | 1991 | 1992 | 1993 | 1994   | 1990-1994     |
| <b>All toxic chemicals</b> |                 |   |      |      |      | 10,331 | <b>10,331</b> |
| Sulfuric acid              | Arkansas River  |   |      |      |      | 10,331 | <b>10,331</b> |

City: Fort Morgan, Colorado

Facility: **Western Sugar Co.**

|                            |                 | Pounds of toxic chemicals discharged to water |       |       |       |       |               |
|----------------------------|-----------------|---|-------|-------|-------|-------|---------------|
| Chemical discharged        | Receiving water | 1990  | 1991  | 1992  | 1993  | 1994  | 1990-1994     |
| <b>All toxic chemicals</b> |                 | 5   | 8,780 | 8,038 | 7,799 | 1,307 | <b>25,929</b> |
| Ammonia                    | Platte River    | 5   | 8,780 | 8,038 | 7,799 | 1,307 | <b>25,929</b> |

City: Fruita, Colorado

Facility: **Landmark Petroleum Inc.**

|                            |                 | Pounds of toxic chemicals discharged to water |      |      |      |      |            |
|----------------------------|-----------------|---|------|------|------|------|------------|
| Chemical discharged        | Receiving water | 1990  | 1991 | 1992 | 1993 | 1994 | 1990-1994  |
| <b>All toxic chemicals</b> |                 |   |      | 765  |      |      | <b>765</b> |
| 1,2,4-Trimethylbenzene     | Colorado River  |   |      | 250  |      |      | <b>250</b> |
| Toluene                    | Colorado River  |   |      | 250  |      |      | <b>250</b> |
| Xylene (mixed isomers)     | Colorado River  |   |      | 250  |      |      | <b>250</b> |
| Benzene                    | Colorado River  |   |      | 5    |      |      | <b>5</b>   |
| Ethylbenzene               | Colorado River  |   |      | 5    |      |      | <b>5</b>   |
| Cyclohexane                | Colorado River  |   |      | 5    |      |      | <b>5</b>   |

City: Golden, Colorado

Facility: **Coors Brewing Co.**

|                            |                 | Pounds of toxic chemicals discharged to water |        |        |        |        |                |
|----------------------------|-----------------|---|--------|--------|--------|--------|----------------|
| Chemical discharged        | Receiving water | 1990  | 1991   | 1992   | 1993   | 1994   | 1990-1994      |
| <b>All toxic chemicals</b> |                 | 64,786  | 34,200 | 36,282 | 47,263 | 28,228 | <b>210,759</b> |
| Ammonia                    | Clear Creek     | 63,000  | 34,000 | 36,000 | 47,000 | 28,000 | <b>208,000</b> |
| Nickel compounds           | Clear Creek     | 740   | 97     | 16     |        |        | <b>853</b>     |
| Copper compounds           | Clear Creek     | 850   |        |        |        |        | <b>850</b>     |
| Chromium                   | Clear Creek     |   |        | 250    | 63     | 67     | <b>380</b>     |
| Nickel                     | Clear Creek     |   |        | 16     | 200    | 160    | <b>376</b>     |
| Chromium compounds         | Clear Creek     | 82  | 99     |        |        |        | <b>181</b>     |
| Lead compounds             | Clear Creek     | 110   |        |        |        |        | <b>110</b>     |
| Manganese compounds        | Clear Creek     | 4   | 4      |        |        |        | <b>8</b>       |
| Chlorine                   | Clear Creek     |   |        |        |        | 1      | <b>1</b>       |

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# Toxic water pollution in Colorado

Companies reporting toxic discharges to water (1990-1994)

City: Greeley, Colorado

Facility: **Western Sugar Co.**

|                            |                       | Pounds of toxic chemicals discharged to water |        |        |        |        |               |
|----------------------------|-----------------------|---|--------|--------|--------|--------|---------------|
| Chemical discharged        | Receiving water       | 1990  | 1991   | 1992   | 1993   | 1994   | 1990-1994     |
| <b>All toxic chemicals</b> |                       | 8,879   | 11,100 | 10,700 | 17,500 | 10,077 | <b>58,256</b> |
| Ammonia                    | Cache La Poudre River | 8,879   | 11,100 | 10,700 | 17,500 | 10,077 | <b>58,256</b> |

City: Johnstown, Colorado

Facility: **Golden Tech. Co. Inc.**

|                            |                       | Pounds of toxic chemicals discharged to water |      |      |      |      |            |
|----------------------------|-----------------------|---|------|------|------|------|------------|
| Chemical discharged        | Receiving water       | 1990  | 1991 | 1992 | 1993 | 1994 | 1990-1994  |
| <b>All toxic chemicals</b> |                       | 150   | 97   | 91   | 230  | 300  | <b>868</b> |
| Ammonia                    | Little Thompson River | 150   | 97   | 91   | 230  | 300  | <b>868</b> |

City: Littleton, Colorado

Facility: **Norgren**

|                            |                 | Pounds of toxic chemicals discharged to water |      |      |      |      |              |
|----------------------------|-----------------|---|------|------|------|------|--------------|
| Chemical discharged        | Receiving water | 1990  | 1991 | 1992 | 1993 | 1994 | 1990-1994    |
| <b>All toxic chemicals</b> |                 |   | 250  | 255  | 260  | 510  | <b>1,275</b> |
| Zinc compounds             | Big Dry Creek   |   |      | 5    | 250  | 250  | <b>505</b>   |
| Ethylene glycol            | Platte River    |   | 250  |      |      |      | <b>250</b>   |
| Copper                     | Big Dry Creek   |   |      | 250  |      |      | <b>250</b>   |
| Nickel compounds           | Big Dry Creek   |   |      |      |      | 250  | <b>250</b>   |
| Chromium compounds         | Big Dry Creek   |   |      |      | 5    | 5    | <b>10</b>    |
| Copper compounds           | Big Dry Creek   |   |      |      | 5    | 5    | <b>10</b>    |

City: Littleton, Colorado

Facility: **Lockheed Martin Astronautics**

|                            |                 | Pounds of toxic chemicals discharged to water |      |      |      |      |            |
|----------------------------|-----------------|---|------|------|------|------|------------|
| Chemical discharged        | Receiving water | 1990  | 1991 | 1992 | 1993 | 1994 | 1990-1994  |
| <b>All toxic chemicals</b> |                 | 260   | 255  | 1    |      |      | <b>516</b> |
| Methyl ethyl ketone        | Brush Creek     | 250   | 250  | 1    |      |      | <b>501</b> |
| Toluene                    | Brush Creek     | 5   | 5    |      |      |      | <b>10</b>  |
| 1,1,1-Trichloroethane      | Brush Creek     | 5   |      |      |      |      | <b>5</b>   |

City: Pueblo, Colorado

Facility: **CF & I Steel L.P.**

|                            |                 | Pounds of toxic chemicals discharged to water |       |       |       |      |               |
|----------------------------|-----------------|---|-------|-------|-------|------|---------------|
| Chemical discharged        | Receiving water | 1990  | 1991  | 1992  | 1993  | 1994 | 1990-1994     |
| <b>All toxic chemicals</b> |                 | 52,319  | 3,300 | 1,000 | 8,400 |      | <b>65,019</b> |
| Ethylene glycol            | Arkansas River  | 52,319  | 3,300 |       |       |      | <b>55,619</b> |
| Lead compounds             | Arkansas River  |   |       |       | 7,100 |      | <b>7,100</b>  |
| Manganese compounds        | Arkansas River  |   |       | 1,000 | 1,300 |      | <b>2,300</b>  |

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# Toxic water pollution in Colorado

Companies reporting toxic discharges to water (1990-1994)

City: Security, Colorado

Facility: **Schlage Lock Co.**

| Chemical discharged        | Receiving water                  | Pounds of toxic chemicals discharged to water |      |      |      |      | 1990-1994  |
|----------------------------|----------------------------------|---|------|------|------|------|------------|
|                            |                                  | 1990  | 1991 | 1992 | 1993 | 1994 |            |
| <b>All toxic chemicals</b> |                                  |   |      | 99   | 14   | 29   | <b>142</b> |
| Copper                     | Fountain Mutual Irrigation Canal |   |      | 27   | 8    | 14   | <b>49</b>  |
| Zinc compounds             | Fountain Mutual Irrigation Canal |   |      | 45   |      |      | <b>45</b>  |
| Nickel                     | Fountain Mutual Irrigation Canal |   |      | 27   |      |      | <b>27</b>  |
| Zinc (fume or dust)        | Fountain Mutual Irrigation Canal |   |      |      | 6    | 8    | <b>14</b>  |
| Lead compounds             | Fountain Mutual Irrigation Canal |   |      |      |      | 7    | <b>7</b>   |

City: Windsor, Colorado

Facility: **Kodak**

| Chemical discharged        | Receiving water       | Pounds of toxic chemicals discharged to water |        |        |        |        | 1990-1994      |
|----------------------------|-----------------------|---|--------|--------|--------|--------|----------------|
|                            |                       | 1990  | 1991   | 1992   | 1993   | 1994   |                |
| <b>All toxic chemicals</b> |                       | 57,266  | 98,633 | 64,778 | 60,381 | 16,697 | <b>297,755</b> |
| Ammonia                    | Cache La Poudre River | 54,000  | 52,000 | 41,000 | 43,000 |        | <b>190,000</b> |
| Glycol ethers              | Cache La Poudre River | 3,100   | 3,400  | 18,000 | 12,000 | 13,000 | <b>49,500</b>  |
| Ethylene glycol            | Cache La Poudre River |   | 40,000 | 2,000  | 1,700  | 1,900  | <b>45,600</b>  |
| Methanol                   | Cache La Poudre River | 40  | 3,100  | 3,700  | 3,600  | 1,700  | <b>12,140</b>  |
| Silver compounds           | Cache La Poudre River | 38  | 53     | 53     | 59     | 64     | <b>267</b>     |
| Manganese compounds        | Cache La Poudre River | 20  | 22     | 22     | 22     | 18     | <b>104</b>     |
| Dibutyl phthalate          | Cache La Poudre River | 40  | 38     |        |        |        | <b>78</b>      |
| Vinylidene chloride        | Cache La Poudre River | 20  | 19     |        |        |        | <b>39</b>      |
| Methyl methacrylate        | Cache La Poudre River |   |        |        |        | 15     | <b>15</b>      |
| 1,2-Dichloroethane         | Cache La Poudre River | 2   | 1      | 3      |        |        | <b>6</b>       |
| Dichloromethane            | Cache La Poudre River | 6   |        |        |        |        | <b>6</b>       |

City: Windsor, Colorado

Facility: **Universal Forest Prods. Inc.**

| Chemical discharged        | Receiving water | Pounds of toxic chemicals discharged to water |      |      |      |      | 1990-1994  |
|----------------------------|-----------------|---|------|------|------|------|------------|
|                            |                 | 1990  | 1991 | 1992 | 1993 | 1994 |            |
| <b>All toxic chemicals</b> |                 |   |      | 15   | 15   | 260  | <b>290</b> |
| Chromium compounds         | Whitney Ditch   |   |      |      | 5    | 250  | <b>255</b> |
| Arsenic compounds          | Whitney Ditch   |   |      |      | 5    | 5    | <b>10</b>  |
| Copper compounds           | Whitney Ditch   |   |      |      | 5    | 5    | <b>10</b>  |
| Arsenic compounds          | Unknown         |   |      | 5    |      |      | <b>5</b>   |
| Chromium compounds         | Unknown         |   |      | 5    |      |      | <b>5</b>   |
| Copper compounds           | Unknown         |   |      | 5    |      |      | <b>5</b>   |