

2022 CHEMICAL USE REPORT

| GALLONS | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
|-----------------------------------|----------------|-----------------|----------------|----------------|----------------|----------------|--------------------|-------------------|
| TOTAL INFLUENT FLOW | 1,887,988,000 | 2,020,671,000 | 2,094,199,000 | 2,127,692,000 | 2,493,211,300 | 2,170,385,000 | 2,302,155,000 | 2,324,470,000 |
| **FLOW, MAY - SEPTEMBER | 780,667,000 | 769,869,000 | 902,376,000 | 923,535,000 | 1,015,345,000 | 911,676,000 | 1,101,997,000 | 1,028,457,000 |
| TOTAL \$ COST OF PURCHASES | | | | | | | | |
| TREATMENT CHEMICAL | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| FERRIC SULFATE - ACTIFLO | \$282,560.00 | \$306,169.00 | 271,749.00 | \$250,405.00 | \$327,298.00 | \$379,168.00 | \$329,078.00 | \$416,948.00 |
| POLYMER - ACTIFLO | 41,055.00 | 48,185.00 | 41,528.00 | 46,772.00 | 39,909.00 | 44,871.00 | \$49,107.00 | \$44,965.00 |
| POLYMER - DAF | 20,930.00 | 26,910.00 | 26,910.00 | 39,184.00 | 30,997.00 | 37,257.00 | \$41,034.00 | \$41,561.00 |
| SULFURIC ACID - BIOFILTER | 34,709.00 | 35,368.00 | 26,291.00 | 26,159.00 | 36,122.00 | 31,631.00 | \$57,259.00 | \$50,078.00 |
| SODIUM HYPOCHLORITE** | 14,695.00 | 14,530.00 | 19,726.00 | 21,049.00 | 29,565.00 | 35,922.00 | \$31,117.00 | \$47,538.00 |
| SODIUM BISULFATE** | <u>2326.00</u> | <u>3,943.00</u> | <u>2902.00</u> | <u>4682.00</u> | <u>5455.00</u> | <u>5641.00</u> | <u>\$10,466.00</u> | <u>\$9,520.00</u> |
| TOTAL | \$396,275.00 | \$435,105.00 | \$389,106.00 | \$388,251.00 | \$469,346.00 | \$534,490.00 | \$518,061.00 | \$610,610.00 |
| \$ COST / MGD TREATED | | | | | | | | |
| TREATMENT CHEMICAL | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| FERRIC SULFATE - ACTIFLO | \$149.66 | \$151.49 | \$129.76 | \$117.00 | \$131.28 | \$174.70 | \$142.94 | \$179.37 |
| POLYMER - ACTIFLO | 21.75 | 23.84 | 19.83 | 22.00 | 16.01 | 20.67 | \$21.33 | \$19.34 |
| POLYMER - DAF | 11.08 | 13.32 | 12.84 | 18.00 | 12.43 | 17.17 | \$17.82 | \$17.87 |
| SULFURIC ACID - BIOFILTER | 18.38 | 17.50 | 12.55 | 12.00 | 14.49 | 14.57 | \$24.87 | \$21.54 |
| SODIUM HYPOCHLORITE** | 18.82 | 18.87 | 21.86 | 22.80 | 29.12 | 39.40 | \$28.24 | \$46.22 |
| SODIUM BISULFATE** | <u>2.98</u> | <u>5.12</u> | <u>3.22</u> | <u>5.10</u> | <u>5.37</u> | <u>6.19</u> | <u>\$9.50</u> | <u>\$9.26</u> |
| TOTAL | \$222.67 | \$230.14 | \$200.06 | \$196.90 | \$208.70 | \$272.70 | \$244.70 | \$293.60 |
| TOTAL GALLONS PURCHASED | | | | | | | | |
| TREATMENT CHEMICAL | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| FERRIC SULFATE - ACTIFLO | 142,252 | 171,981 | 179,228 | 178,333 | 217,049 | 205,853 | 173,953 | 178,525 |
| POLYMER - ACTIFLO | 4,677 | 5,502 | 4,731 | 5,225 | 4,402 | 4,952 | 5,225 | 4,677 |
| POLYMER - DAF | 1,930 | 2,476 | 2,476 | 3,575 | 2,751 | 3,301 | 3,575 | 3,577 |
| SULFURIC ACID - BIOFILTER | 11,587 | 13,067 | 10,062 | 10,062 | 13,336 | 11,729 | 15,022 | 13,497 |
| SODIUM HYPOCHLORITE** | 9,220 | 9,116 | 12,360 | 13,156 | 16,628 | 18,360 | 13,816 | 14,726 |
| SODIUM BISULFATE** | 1,399 | 2,396 | 1,754 | 2,838 | 3,078 | 3,051 | 4,486 | 3,205 |

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| GALLONS OF CHEMICAL / MGD TREATED | | | | | | | | | |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------|--|
| TREATMENT CHEMICAL | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | |
| FERRIC SULFATE - ACTIFLO | 75.35 | 85.10 | 85.61 | 85.2 | 87.1 | 94.8 | 75.6 | 76.80 | |
| POLYMER - ACTIFLO | 2.48 | 2.72 | 2.26 | 2.5 | 1.77 | 2.28 | 2.27 | 2.01 | |
| POLYMER - DAF | 1.02 | 1.23 | 1.18 | 1.7 | 1.10 | 1.52 | 1.55 | 1.54 | |
| SULFURIC ACID - BIOFILTER | 6.14 | 6.47 | 4.80 | 4.7 | 5.36 | 5.4 | 6.53 | 5.81 | |
| SODIUM HYPOCHLORITE** | 11.81 | 11.84 | 13.69 | 14.2 | 16.38 | 20.14 | 12.54 | 14.32 | |
| SODIUM BISULFATE** | 1.79 | 1.19 | 1.94 | 3.0 | 3.03 | 3.35 | 4.07 | 3.12 | |
| ** May through September chemical use only | | | | | | | | | |
| ## Emptied bulk tank contents and switched to totes. Gallons estimated. | | | | | | | | | |
| GAS, ELECTRIC AND WATER CONSUMPTION | | | | | | | | | |
| NATURAL GAS | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | |
| Therms | 81,752 | 70,013 | 76,013 | 89,690 | 82,885 | 200,826 | 200,641 | 141,855 | |
| Cost \$ | \$51,661.64 | \$38,836.02 | \$44,583.71 | \$47,502.00 | \$42,814.71 | \$36,413.73 | \$35,034.20 | \$49,789 | |
| \$ Cost / MGD Treated | - | - | - | \$22.33 | \$17.00 | \$16.78 | \$15.22 | \$21.42 | |
| Therms / MGD Treated | - | - | - | - | - | 92.53 | 87.15 | 61.03 | |
| POTABLE WATER | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | |
| Cubic Feet | 385,130 | 380,677 | 458,500 | 476,500 | 491,400 | 464,900 | 502,581.00 | 359,324 | |
| Cost \$ | \$20,226.56 | \$20,436.52 | \$22,278.74 | \$22,655.00 | \$24,437.90 | \$21,920.54 | \$24,462.34 | \$19,996 | |
| \$ Cost / MGD Treated | - | - | - | \$10.65 | \$9.80 | \$10.10 | \$10.63 | \$8.60 | |
| Cubic Feet / MGD Treated | - | - | - | 224 | 197 | 214 | 218 | 155 | |
| ELECTRICAL POWER | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | |
| KWH | 7,356,888 | 7,446,624 | 7,468,201 | 7,682,476 | 8,051,500 | 7,957,863 | 8,189,111 | 8,307,941 | |
| COST \$ | \$534,006.19 | \$499,300.03 | \$509,871.00 | \$508,330.00 | \$504,393.43 | \$494,540.75 | \$537,709.43 | \$598,456 | |
| KWH / MGD Treated | 3,896.68 | 3,684.62 | 3,566.14 | 3,610 | 3,229.38 | 3,664.85 | 3,557.08 | 3,574.08 | |
| \$ Cost / MGD Treated | - | - | - | \$238.91 | \$202.31 | \$227.86 | \$233.56 | \$257.46 | |

