

Louisville Water
B.E. Payne Water Treatment Plant
June 2023 Water Quality Report

| ANALYSIS | UNITS | FINISHED | | | TESTS |
|------------------------------------|------------|----------|---------|---------|-------|
| | | MAX. | MIN. | AVG. | |
| Alkalinity | mg/L | 93 | 83 | 88 | 30 |
| Ammonia-N, Free | mg/L | 0.06 | < 0.03 | 0.04 | 9 |
| Ammonia-N, Free | mg/L | 0.10 | 0.02 | 0.06 | 21 |
| Ammonia-N, Total | mg/L | 0.74 | 0.62 | 0.69 | 21 |
| Bromide | mg/L | 0.020 | 0.018 | 0.018 | 4 |
| Calcium | mg/L | 32 | 31 | 32 | 4 |
| Calcium Hardness (CALC PKG) | mg/L | 81 | 77 | 79 | 4 |
| Chloramine, Mono- | mg/L | 3.33 | 2.92 | 3.14 | 30 |
| Chloride | mg/L | 33 | 32 | 32 | 4 |
| Conductivity | umhos/cm | 373 | 364 | 368 | 4 |
| Dissolved Organic Carbon | mg/L | 1.57 | 1.30 | 1.49 | 4 |
| E. coli | MPN/100 mL | < 1 | < 1 | < 1 | 30 |
| Fluoride | mg/L | 0.76 | 0.67 | 0.71 | 30 |
| Hardness, Total | mg/L | 131 | 112 | 125 | 30 |
| Magnesium (CALC) | mg/L | 11 | 11 | 11 | 1 |
| Magnesium Hardness (as CaCO3) CALC | mg/L | 47 | 47 | 47 | 1 |
| Nitrate-N | mg/L | 0.21 | 0.15 | 0.18 | 4 |
| Nitrite-N | mg/L | < 0.005 | < 0.005 | < 0.005 | 4 |
| Non-Carbonate Hardness (CALC) | mg/L | 43 | 19 | 38 | 30 |
| Odor | TON | < 1 | < 1 | < 1 | 30 |
| pH | SU | 8.67 | 8.45 | 8.59 | 30 |
| Sulfate | mg/L | 49 | 48 | 48 | 4 |
| Temperature | °F | 64.7 | 59.6 | 62.1 | 30 |
| Total Chlorine | mg/L | 3.20 | 2.80 | 3.00 | 30 |
| Total coliform bacteria | MPN/100 mL | < 1 | < 1 | < 1 | 30 |
| Turbidity | NTU | 0.06 | 0.03 | 0.04 | 30 |

**Louisville Water
Crescent Hill Filter Plant
June 2023 Water Quality Report**

| ANALYSIS | UNITS | FINISHED | | | TESTS |
|------------------------------------|------------|----------|-------|-------|-------|
| | | MAX. | MIN. | AVG. | |
| Alkalinity | mg/L | 72 | 54 | 61 | 30 |
| Ammonia-N, Free | mg/L | 0.09 | 0.03 | 0.06 | 9 |
| Ammonia-N, Free | mg/L | 0.11 | 0.02 | 0.08 | 21 |
| Ammonia-N, Total | mg/L | 0.76 | 0.65 | 0.69 | 21 |
| Bromide | mg/L | 0.023 | 0.018 | 0.020 | 4 |
| Calcium | mg/L | 30 | 25 | 27 | 4 |
| Calcium Hardness (CALC PKG) | mg/L | 75 | 63 | 67 | 4 |
| Chloramine, Mono- | mg/L | 3.15 | 2.79 | 2.97 | 30 |
| Chloride | mg/L | 35 | 29 | 32 | 4 |
| Conductivity | umhos/cm | 371 | 325 | 352 | 4 |
| Dissolved Organic Carbon | mg/L | 2.10 | 1.93 | 2.01 | 4 |
| E. coli | MPN/100 mL | < 1 | < 1 | < 1 | 30 |
| Fluoride | mg/L | 0.73 | 0.66 | 0.70 | 30 |
| Hardness, Total | mg/L | 129 | 100 | 112 | 30 |
| Magnesium (CALC) | mg/L | 10 | 10 | 10 | 1 |
| Magnesium Hardness (as CaCO3) CALC | mg/L | 43 | 43 | 43 | 1 |
| Manganese | mg/L | 0.003 | 0.001 | 0.001 | 4 |
| Nitrate-N | mg/L | 1.74 | 0.63 | 1.01 | 4 |
| Nitrite-N | mg/L | 0.010 | 0.007 | 0.008 | 4 |
| Non-Carbonate Hardness (CALC) | mg/L | 61 | 46 | 51 | 30 |
| Odor | TON | 2 | < 1 | < 1 | 30 |
| pH | SU | 8.92 | 8.59 | 8.74 | 30 |
| Sulfate | mg/L | 63 | 58 | 60 | 4 |
| Taste | F.T.N. | 1 | < 1 | < 1 | 30 |
| Temperature | °F | 75.5 | 70.4 | 73.3 | 30 |
| Total Chlorine | mg/L | 3.00 | 2.80 | 2.90 | 30 |
| Total coliform bacteria | MPN/100 mL | < 1 | < 1 | < 1 | 30 |
| Turbidity | NTU | 0.06 | 0.04 | 0.05 | 30 |