

City of Buchanan

Water and Wastewater Reporting

February 2025

DRINKING WATER

| | December 2024 | November 2024 | October 2024 | December 2023 | |
|---|------------------|------------------|-----------------|------------------|-------------------------|
| WATER PRODUCTION | | | | | |
| DAILY AVERAGE (MG) | 0.30 | 0.25 | 0.28 | 0.27 | |
| MAXIMUM DAY (MG) | 0.98 | 0.89 | 0.84 | 0.91 | |
| CHEMICAL APPLICATION | | | | | |
| CHLORINE APP. RATE (#/Day) | 3.63 | 2.21 | 4.20 | 3.60 | |
| FLUORIDE APP. RATE (#/Day) | 4.81 | 4.96 | 11.50 | 17.20 | |
| WATER QUALITY | | | | | Regulatory Limit |
| CHLORINE RESIDUAL (mg/l) | 1.60 | 0.16 | 0.43 | 0.70 | 4.0 (MCL) |
| FLUORIDE RESIDUAL (mg/l) | 0.80 | 0.90 | 1.10 | 1.00 | 4.0 (MCL) |
| RAW WATER MONITORING PERFORMED AT 4 WELLS EACH MONTH FOR COLIFORM | | | | | |

WASTEWATER

| | December 2024 | November 2024 | October 2024 | December 2023 | |
|--------------------------------------|------------------|------------------|-----------------|------------------|-------------------------|
| PLANT FLOW | | | | | |
| DAILY AVERAGE (MG) | 0.877 | 0.748 | 0.686 | 0.791 | |
| MAXIMUM DAY (MG) | 1.207 | 1.038 | 0.770 | 0.867 | |
| GAL/CAP/DAY | 199 | 170 | 156 | 180 | |
| FINAL EFFLUENT | | | | | Regulatory Limit |
| CARB-BOD (mg/l) | 2 | 2 | 2 | 4 | 25 mg/l |
| SUSPENDED SOLIDS (mg/l) | 6 | 8 | 8 | 15 | 30 mg/l |
| PHOSPHORUS (mg/l) | 0.74 | 0.59 | 0.55 | 0.94 | 1.0 mg/l |
| FECAL COLIFORM / 100 ML | 17 | 17 | 9 | 91 | 200 ct/100 ml |
| pH | 7.3 | 7.3 | 7.5 | 7.2 | 6.5 - 9.0 |
| DISSOLVED OXYGEN (DO) in mg/l | 5.9 | 5.5 | 5.0 | 5.5 | 3.0 mg/l min. |
| POWER AND GAS | | | | | |
| POWER KWH/MG | 2,588 | 2,596 | 2,547 | 1,978 | |
| KWH / #CBOD | 3.32 | 3.36 | 3.79 | 3.90 | |
| NATURAL GAS (100 CU. FT.) | 472 | 499 | 227 | 703 | |

Old Plant Gas Meter Removed From Service 12/6/24