PROVIDING MORE EPCOR

**Gold Bar Wastewater Treatment Plant**
**Plant Performance Report**
**August 2020**

| Digested Sludge: Total Monthly Volume (ML) | 69.6 |
|---|---|

## Volume of Flow (ML)

| DATE | Peak Flow (MLD) | Influent: INFs | Influent: RAW | Effluent: Non UV Disinfected: OUTFALL 30 | Effluent: Non UV Disinfected: OUTFALL 20 | Effluent: Non UV Disinfected: MPW | Effluent: UV Disinfected: EPEEPS | Effluent: UV Disinfected: OUTFALL 10 FEC | Effluent: UV Disinfected: OUTFALL 10 FE |
|---|---|---|---|---|---|---|---|---|---|
| Sat-01 | 356.0 | 0.0 | 284.2 | 0.0 | 0.0 | 11.0 | 0.0 | 273.2 | 273.2 |
| Sun-02 | 349.8 | 0.0 | 276.9 | 0.0 | 0.0 | 10.2 | 0.0 | 266.7 | 266.7 |
| Mon-03 | 1,928.8 | 14.5 | 487.0 | 195.2 | 0.2 | 10.2 | 0.0 | 281.4 | 281.4 |
| Tue-04 | 948.8 | 0.0 | 419.5 | 59.5 | 0.0 | 10.7 | 0.0 | 349.3 | 349.3 |
| Wed-05 | 410.9 | 0.0 | 331.0 | 0.0 | 0.0 | 10.9 | 0.0 | 320.1 | 320.1 |
| Thu-06 | 388.5 | 0.0 | 315.2 | 0.0 | 0.0 | 10.9 | 0.0 | 304.3 | 304.3 |
| Fri-07 | 913.7 | 0.0 | 414.8 | 102.7 | 0.0 | 10.7 | 0.0 | 301.4 | 301.4 |
| Sat-08 | 402.1 | 0.0 | 303.7 | 0.0 | 0.0 | 10.6 | 0.0 | 293.1 | 293.1 |
| Sun-09 | 363.0 | 0.0 | 286.8 | 0.0 | 0.0 | 11.1 | 0.0 | 275.7 | 275.7 |
| Mon-10 | 355.5 | 0.0 | 293.6 | 0.0 | 0.0 | 10.6 | 0.0 | 283.0 | 283.0 |
| Tue-11 | 1,152.1 | 0.0 | 378.0 | 83.4 | 0.0 | 10.7 | 0.0 | 283.9 | 283.9 |
| Wed-12 | 1,266.4 | 0.0 | 503.0 | 144.4 | 0.0 | 11.0 | 0.0 | 347.6 | 347.6 |
| Thu-13 | 397.0 | 0.0 | 302.9 | 0.0 | 0.0 | 10.8 | 0.0 | 292.1 | 292.1 |
| Fri-14 | 350.8 | 0.0 | 291.4 | 0.0 | 0.0 | 10.0 | 0.0 | 281.4 | 281.4 |
| Sat-15 | 358.0 | 0.0 | 283.8 | 0.0 | 0.0 | 10.3 | 0.0 | 273.5 | 273.5 |
| Sun-16 | 357.0 | 0.0 | 280.3 | 0.0 | 0.0 | 10.7 | 0.0 | 269.6 | 269.6 |
| Mon-17 | 354.9 | 0.0 | 282.4 | 0.0 | 0.0 | 10.9 | 0.0 | 271.5 | 271.5 |
| Tue-18 | 367.3 | 0.0 | 285.3 | 0.0 | 0.0 | 10.7 | 0.0 | 274.6 | 274.6 |
| Wed-19 | 348.9 | 0.0 | 286.6 | 0.0 | 0.0 | 10.7 | 0.0 | 275.9 | 275.9 |
| Thu-20 | 1,479.3 | 0.0 | 372.3 | 85.7 | 0.0 | 10.8 | 0.0 | 275.8 | 275.8 |
| Fri-21 | 752.8 | 0.0 | 344.3 | 25.6 | 0.0 | 10.7 | 0.0 | 308.0 | 308.0 |
| Sat-22 | 643.7 | 0.0 | 353.5 | 43.0 | 0.0 | 10.5 | 0.0 | 300.0 | 300.0 |
| Sun-23 | 321.1 | 0.0 | 284.0 | 0.0 | 0.0 | 10.4 | 0.0 | 273.6 | 273.6 |
| Mon-24 | 1,158.7 | 0.0 | 351.1 | 61.6 | 0.0 | 10.5 | 0.0 | 279.0 | 279.0 |
| Tue-25 | 612.7 | 0.0 | 318.1 | 10.9 | 0.0 | 10.9 | 0.0 | 296.3 | 296.3 |
| Wed-26 | 969.1 | 0.0 | 397.1 | 59.0 | 0.0 | 10.5 | 0.0 | 327.6 | 327.6 |
| Thu-27 | 339.6 | 0.0 | 302.9 | 0.0 | 0.0 | 10.3 | 0.0 | 292.6 | 292.6 |
| Fri-28 | 340.8 | 0.0 | 291.7 | 0.0 | 0.0 | 10.3 | 0.0 | 281.4 | 281.4 |
| Sat-29 | 339.6 | 0.0 | 279.4 | 0.0 | 0.0 | 10.3 | 0.0 | 269.1 | 269.1 |
| Sun-30 | 322.0 | 0.0 | 274.7 | 0.0 | 0.0 | 10.7 | 0.0 | 264.0 | 264.0 |
| Mon-31 | 332.5 | 0.0 | 278.7 | 0.0 | 0.0 | 10.6 | 0.0 | 268.1 | 268.1 |
| **Average** | 612.3 | 0.5 | 327.6 | 28.1 | 0.0 | 10.6 | 0.0 | 288.8 | 288.8 |
| **Minimum** | 321.1 | 0.0 | 274.7 | 0.0 | 0.0 | 10.0 | 0.0 | 264.0 | 264.0 |
| **Maximum** | 1,928.8 | 14.5 | 503.0 | 195.2 | 0.2 | 11.1 | 0.0 | 349.3 | 349.3 |
| **GeoMean** | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TOTAL** | --- | 15 | 10,154 | 871 | 0 | 329 | 0 | 8,954 | 8,954 |

## Liquid Stream Quality

| DATE | pH@25°C: RAW | pH@25°C: OUTFALL 30 | pH@25°C: OUTFALL 20 | pH@25°C: OUTFALL 10 FEC | TSS (mg/L): RAW | TSS (mg/L): OUTFALL 30 | TSS (mg/L): OUTFALL 20 | TSS (mg/L): EPEEPS | TSS (mg/L): OUTFALL 10 FEC | TSS (mg/L): OUTFALL 10 FE |
|---|---|---|---|---|---|---|---|---|---|---|
| Sat-01 | 7.6 | | | 7.7 | 260 | | | | 5.1 | 5.1 |
| Sun-02 | 7.6 | | | 7.7 | 231 | | | | 6.9 | 6.9 |
| Mon-03 | 7.4 | 7.3 | 7.2 | 7.6 | 384 | 125 | 220 | | 6.2 | 6.2 |
| Tue-04 | 7.6 | 7.6 | | 7.6 | 360 | 40 | | | 6.2 | 6.2 |
| Wed-05 | | | | 7.7 | 268 | | | | 4.9 | 4.9 |
| Thu-06 | | | | 7.7 | 238 | | | | 4.6 | 4.6 |
| Fri-07 | 7.5 | 7.6 | | 7.9 | 276 | 55 | | | 5.3 | 5.3 |
| Sat-08 | | | | 7.8 | 220 | | | | 4.0 | 4.0 |
| Sun-09 | 7.7 | | | 7.7 | 256 | | | | 4.6 | 4.6 |
| Mon-10 | 7.5 | | | 7.7 | 237 | | | | 4.8 | 4.8 |
| Tue-11 | 7.6 | 7.6 | | 7.7 | 150 | 83 | | | 4.9 | 4.9 |
| Wed-12 | 7.5 | 7.4 | | 7.5 | 236 | 30 | | | 5.0 | 5.0 |
| Thu-13 | 7.7 | | | 7.6 | 316 | | | | 4.2 | 4.2 |
| Fri-14 | 7.7 | | | 7.7 | 320 | | | | 5.2 | 5.2 |
| Sat-15 | 7.6 | | | 7.7 | 236 | | | | 5.8 | 5.8 |
| Sun-16 | 7.6 | | | 7.7 | 293 | | | | 6.0 | 6.0 |
| Mon-17 | 7.6 | | | 7.6 | 303 | | | | 10.0 | 10.0 |
| Tue-18 | 7.6 | | | 7.7 | 316 | | | | 7.8 | 7.8 |
| Wed-19 | 7.6 | | | 7.7 | 316 | | | | 8.8 | 8.8 |
| Thu-20 | 7.4 | 7.5 | | 7.7 | 472 | 138 | | | 9.1 | 9.1 |
| Fri-21 | 7.6 | 7.6 | | 7.7 | 432 | 41 | | | 8.2 | 8.2 |
| Sat-22 | 7.5 | 7.7 | | 7.7 | 260 | 32 | | | 5.1 | 5.1 |
| Sun-23 | 7.6 | | | 7.6 | 264 | | | | 5.5 | 5.5 |
| Mon-24 | 7.5 | 7.6 | | 7.7 | 348 | 81 | | | 6.8 | 6.8 |
| Tue-25 | 7.5 | 7.9 | | 7.6 | 360 | 44 | | | 6.3 | 6.3 |
| Wed-26 | 7.5 | 7.6 | | 7.7 | 452 | 52 | | | 4.6 | 4.6 |
| Thu-27 | 7.5 | | | 7.4 | 404 | | | | 3.5 | 3.5 |
| Fri-28 | 7.7 | | | 7.6 | 392 | | | | 5.5 | 5.5 |
| Sat-29 | 7.7 | | | 7.6 | 587 | | | | 7.7 | 7.7 |
| Sun-30 | 7.6 | | | 7.7 | 350 | | | | 5.0 | 5.0 |
| Mon-31 | 7.5 | | | 7.6 | 404 | | | | 4.1 | 4.1 |
| **Average** | 7.6 | 7.6 | 7.2 | 7.7 | 321 | 66 | 220 | --- | 5.9 | 5.9 |
| **Minimum** | 7.4 | 7.3 | 7.2 | 7.4 | 150 | 30 | 220 | --- | 3.5 | 3.5 |
| **Maximum** | 7.7 | 7.9 | 7.2 | 7.9 | 587 | 138 | 220 | --- | 10.0 | 10.0 |
| **GeoMean** | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TOTAL** | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

| DATE | $BOD_5$/$cBOD_5$ (mg/L): RAW | $BOD_5$/$cBOD_5$ (mg/L): OUTFALL 30 | $BOD_5$/$cBOD_5$ (mg/L): OUTFALL 20 | $BOD_5$/$cBOD_5$ (mg/L): EPEPS | $BOD_5$/$cBOD_5$ (mg/L): OUTFALL 10 FEC | $BOD_5$/$cBOD_5$ (mg/L): OUTFALL 10 FE | TP (mg/L): RAW | TP (mg/L): OUTFALL 30 | TP (mg/L): OUTFALL 20 | TP (mg/L): EPEEPS | TP (mg/L): OUTFALL 10 FEC | TP (mg/L): OUTFALL 10 FE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sat-01 | 260 | | | | 5.0 | 5.0 | 7.04 | | | | 0.22 | 0.22 |
| Sun-02 | | | | | 5.0 | 5.0 | 6.62 | | | | 0.25 | 0.25 |
| Mon-03 | 190 | 72 | 97 | | 5.0 | 5.0 | 5.54 | 2.16 | 2.52 | | 0.28 | 0.28 |
| Tue-04 | 173 | 47 | | | 4.0 | 4.0 | 4.94 | 2.12 | | | 0.24 | 0.24 |
| Wed-05 | 222 | | | | 4.0 | 4.0 | 5.67 | | | | 0.21 | 0.21 |
| Thu-06 | 201 | | | | 3.0 | 3.0 | 5.92 | | | | 0.24 | 0.24 |
| Fri-07 | 209 | 81 | | | 4.0 | 4.0 | 5.27 | 2.86 | | | 0.24 | 0.24 |
| Sat-08 | 227 | | | | 3.0 | 3.0 | 5.60 | | | | 0.21 | 0.21 |
| Sun-09 | 213 | | | | 3.0 | 3.0 | 5.99 | | | | 0.23 | 0.23 |
| Mon-10 | 203 | | | | 3.0 | 3.0 | 6.45 | | | | 0.24 | 0.24 |
| Tue-11 | 171 | 101 | | | 4.0 | 4.0 | 5.14 | 3.94 | | | 0.24 | 0.24 |
| Wed-12 | 166 | 46 | | | 3.0 | 3.0 | 4.45 | 1.52 | | | 0.21 | 0.21 |
| Thu-13 | 263 | | | | 3.0 | 3.0 | 6.84 | | | | 0.21 | 0.21 |
| Fri-14 | 304 | | | | 6.0 | 6.0 | 6.84 | | | | 0.26 | 0.26 |
| Sat-15 | 219 | | | | 6.0 | 6.0 | 6.86 | | | | 0.29 | 0.29 |
| Sun-16 | 217 | | | | 4.0 | 4.0 | 6.45 | | | | 0.29 | 0.29 |
| Mon-17 | 239 | | | | 4.0 | 4.0 | 6.26 | | | | 0.41 | 0.41 |
| Tue-18 | 254 | | | | 4.0 | 4.0 | 6.46 | | | | 0.49 | 0.49 |
| Wed-19 | 196 | | | | 4.0 | 4.0 | 6.38 | | | | 0.40 | 0.40 |
| Thu-20 | 223 | 130 | | | 4.0 | 4.0 | 6.25 | 3.81 | | | 0.35 | 0.35 |
| Fri-21 | 212 | 46 | | | 3.0 | 3.0 | 5.87 | 1.81 | | | 0.32 | 0.32 |
| Sat-22 | 198 | 57 | | | 4.0 | 4.0 | 5.68 | 2.75 | | | 0.28 | 0.28 |
| Sun-23 | 233 | | | | 3.0 | 3.0 | 6.3 | | | | 0.30 | 0.30 |
| Mon-24 | 187 | 88 | | | 3.0 | 3.0 | 6.21 | 3.41 | | | 0.31 | 0.31 |
| Tue-25 | 230 | 61 | | | 3.0 | 3.0 | 6.43 | 2.64 | | | 0.26 | 0.26 |
| Wed-26 | 150 | 74 | | | 3.0 | 3.0 | 6.38 | 3.72 | | | 0.29 | 0.29 |
| Thu-27 | 239 | | | | < 2.0 | < 2.0 | 7.59 | | | | 0.20 | 0.20 |
| Fri-28 | 265 | | | | 3.0 | 3.0 | 7.02 | | | | 0.32 | 0.32 |
| Sat-29 | 470 | | | | 4.0 | 4.0 | 8.81 | | | | 0.30 | 0.30 |
| Sun-30 | 247 | | | | 3.0 | 3.0 | 6.74 | | | | 0.28 | 0.28 |
| Mon-31 | 239 | | | | 3.0 | 3.0 | 7.00 | | | | 0.26 | 0.26 |
| **Average** | 230 | 73 | 97 | --- | 3.7 | 3.7 | 6.29 | 2.79 | 2.52 | --- | 0.28 | 0.28 |
| **Minimum** | 150 | 46 | 97 | --- | < 2.0 | < 2.0 | 4.45 | 1.52 | 2.52 | --- | 0.20 | 0.20 |
| **Maximum** | 470 | 130 | 97 | --- | 6.0 | 6.0 | 8.81 | 3.94 | 2.52 | --- | 0.49 | 0.49 |
| **GeoMean** | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TOTAL** | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

| DATE | NH3-N (mg/L): RAW | NH3-N (mg/L): OUTFALL 30 | NH3-N (mg/L): OUTFALL 20 | NH3-N (mg/L): EPEPS | NH3-N (mg/L): OUTFALL 10 FEC | NH3-N (mg/L): OUTFALL 10 FE | TKN (mg/L): RAW | TKN (mg/L): OUTFALL 30 | TKN (mg/L): OUTFALL 20 | TKN (mg/L): OUTFALL 10 FEC | TKN (mg/L): OUTFALL 10 FE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sat-01 | 35.9 | | | | 0.98 | 0.98 | 55.4 | | | 2.7 | |
| Sun-02 | 36.7 | | | | 1.08 | 1.08 | 49.8 | | | 2.9 | |
| Mon-03 | 23.2 | 11.6 | 5.1 | | 0.73 | 0.73 | 33.5 | 17.2 | 16.6 | 2.5 | |
| Tue-04 | 23.9 | 23.1 | | | 0.28 | 0.28 | 36.8 | 27.9 | | 1.9 | |
| Wed-05 | 30.5 | | | | 0.63 | 0.63 | 43.5 | | | 2.3 | < 0.01 |
| Thu-06 | 31.0 | | | | 0.52 | 0.52 | 46.7 | | | 2.1 | |
| Fri-07 | 20.1 | 25.1 | | | 0.24 | 0.24 | 37.2 | 30.7 | | 1.8 | |
| Sat-08 | 45.0 | | | | 0.48 | 0.48 | 45.0 | | | 1.7 | |
| Sun-09 | 34.5 | | | | 0.92 | 0.92 | 45.8 | | | 2.4 | |
| Mon-10 | 34.5 | | | | 0.86 | 0.86 | 50.4 | | | 2.4 | |
| Tue-11 | 27.1 | 25.6 | | | 0.74 | 0.74 | 39.6 | 36.9 | | 2.4 | |
| Wed-12 | 21.2 | 17.7 | | | 0.44 | 0.44 | 35.3 | 25.0 | | 2.0 | < 0.01 |
| Thu-13 | 32.0 | | | | 0.77 | 0.77 | 56.0 | | | 2.3 | |
| Fri-14 | 33.4 | | | | 2.40 | 2.40 | 53.6 | | | 4.2 | |
| Sat-15 | 40.8 | | | | 1.50 | 1.50 | 55.6 | | | 3.2 | |
| Sun-16 | 34.5 | | | | 1.29 | 1.29 | 55.1 | | | 3.1 | |
| Mon-17 | 33.1 | | | | 1.06 | 1.06 | 57.5 | | | 3.0 | |
| Tue-18 | 34.2 | | | | 0.89 | 0.89 | 53.5 | | | 3.0 | |
| Wed-19 | 32.9 | | | | 0.58 | 0.58 | 52.6 | | | 2.6 | 0.02 |
| Thu-20 | 26.6 | 22.6 | | | 0.47 | 0.47 | 45.2 | 33.7 | | 2.1 | |
| Fri-21 | 27.9 | 20.2 | | | 0.41 | 0.41 | 46.7 | 23.2 | | 2.0 | |
| Sat-22 | 28.6 | 30.0 | | | 0.18 | 0.18 | 41.9 | 32.5 | | 1.7 | |
| Sun-23 | 35.3 | | | | 0.38 | 0.38 | 52.3 | | | 2.7 | |
| Mon-24 | 30.5 | 25.4 | | | 0.48 | 0.48 | 44.8 | 33.1 | | 2.0 | |
| Tue-25 | 32.6 | 23.7 | | | 1.01 | 1.01 | 49.3 | 30.8 | | 2.7 | |
| Wed-26 | 23.8 | 26.4 | | | 0.90 | 0.90 | 38.7 | 34.8 | | 2.8 | 0.03 |
| Thu-27 | 33.4 | | | | 0.48 | 0.48 | 53.9 | | | 2.2 | |
| Fri-28 | 33.8 | | | | 0.69 | 0.69 | 54.9 | | | 2.4 | |
| Sat-29 | 36.8 | | | | 0.79 | 0.79 | 65.3 | | | 2.8 | |
| Sun-30 | 37.0 | | | | 1.09 | 1.09 | 56.2 | | | 2.7 | |
| Mon-31 | 35.6 | | | | 0.90 | 0.90 | 57.5 | | | 2.7 | |
| **Average** | 31.4 | 22.9 | 5.1 | --- | 0.78 | 0.78 | 48.7 | 29.6 | 16.6 | 2.5 | 0.02 |
| **Minimum** | 20.1 | 11.6 | 5.1 | --- | 0.18 | 0.18 | 33.5 | 17.2 | 16.6 | 1.7 | < 0.01 |
| **Maximum** | 40.8 | 30.0 | 5.1 | --- | 2.40 | 2.40 | 65.3 | 36.9 | 16.6 | 4.2 | 0.03 |
| **GeoMean** | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TOTAL** | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

| DATE | $NO_3$+$NO_2$ (mg/L): RAW | $NO_3$+$NO_2$ (mg/L): OUTFALL 30 | $NO_3$+$NO_2$ (mg/L): OUTFALL 20 | $NO_3$+$NO_2$ (mg/L): OUTFALL 10 FEC | Chloride (mg/L): RAW | Chloride (mg/L): OUTFALL 30 | Chloride (mg/L): OUTFALL 20 | Chloride (mg/L): OUTFALL 10 FEC | *E. coli* (Counts/100 mL): RAW | *E. coli* (Counts/100 mL): OUTFALL 30 | *E. coli* (Counts/100 mL): OUTFALL 20 | *E. coli* (Counts/100 mL): OUTFALL 10 FEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sat-01 | | | | 10.1 | 90 | | | 95 | | | | 4 |
| Sun-02 | | | | 10.6 | 90 | | | 93 | | | | 4 |
| Mon-03 | | 0.98 | 0.49 | 11.9 | 59 | 35 | 32 | 94 | | 1.7 | 0.6 | 6 |
| Tue-04 | | 1.43 | | 8.40 | 72 | 66 | | 68 | | 0.9 | | 13 |
| Wed-05 | | | | 10.5 | 88 | | | 87 | | | | 9 |
| Thu-06 | | | | 10.1 | 89 | | | 93 | | | | 20 |
| Fri-07 | | 0.31 | | 8.87 | 61 | 74 | | 87 | | 1.0 | | 10 |
| Sat-08 | | | | 8.59 | 85 | | | 78 | | | | 12 |
| Sun-09 | | | | 11.3 | 89 | | | 91 | | | | 6 |
| Mon-10 | | | | 11.6 | 89 | | | 90 | | | | 6 |
| Tue-11 | | 0.45 | | 10.5 | 73 | 70 | | 95 | | 2.4 | | 12 |
| Wed-12 | | 0.64 | | 4.92 | 52 | 50 | | 65 | 0.6 | 0.5 | | 14 |
| Thu-13 | | | | 8.28 | 77 | | | 76 | | | | 9 |
| Fri-14 | | | | 10.9 | 80 | | | 90 | | | | 16 |
| Sat-15 | | | | 11.1 | 77 | | | 92 | | | | 12 |
| Sun-16 | | | | 10.8 | 75 | | | 88 | | | | 9 |
| Mon-17 | | | | 11.3 | 78 | | | 85 | | | | 14 |
| Tue-18 | | | | 11.5 | 87 | | | 92 | | | | 7 |
| Wed-19 | | | | 11.3 | 87 | | | 92 | | | | 20 |
| Thu-20 | | 0.30 | | 11.6 | 73 | 63 | | 93 | 2.0 | 1.9 | | 7 |
| Fri-21 | | 0.33 | | 8.62 | 69 | 52 | | 77 | | 2.1 | | 8 |
| Sat-22 | | 0.27 | | 10.1 | 69 | 68 | | 76 | | 2.0 | | 14 |
| Sun-23 | | | | 10.6 | 80 | | | 74 | | | | 6 |
| Mon-24 | | 0.69 | | 11.4 | 73 | 68 | | 81 | | 3.1 | | 57 |
| Tue-25 | | 0.62 | | 8.80 | 76 | 62 | | 75 | | 1.4 | | 6 |
| Wed-26 | | 0.17 | | 7.97 | 64 | 70 | | 73 | | 1.4 | | 7 |
| Thu-27 | | | | 8.91 | 75 | | | 72 | | | | 16 |
| Fri-28 | | | | 11.2 | 85 | | | 81 | | | | 6 |
| Sat-29 | | | | 9.77 | 82 | | | 87 | | | | 10 |
| Sun-30 | | | | 11.5 | 77 | | | 86 | | | | 12 |
| Mon-31 | | | | 11.7 | 83 | | | 82 | | | | 8 |
| **Average** | 0.02 | 0.56 | 0.49 | 10.2 | 78 | 62 | 32 | 84 | --- | --- | --- | --- |
| **Minimum** | 0.02 | 0.17 | 0.49 | 4.92 | 52 | 35 | 32 | 65 | 0.6 | 0.5 | 0.6 | 4 |
| **Maximum** | 0.03 | 1.43 | 0.49 | 11.9 | 90 | 74 | 32 | 95 | 2.0 | 3.1 | 0.6 | 57 |
| **GeoMean** | --- | --- | --- | --- | --- | --- | --- | --- | 1.1 | 1.5 | 0.6 | 10 |
| **TOTAL** | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

* Contact Laboratory for information about the quality assurance associated with the results

**Enhanced Primary Treatment (EPT) Usage**

| Total Bypass (hr) | EPT Usage (hr) | % Usage | Total Bypass YTD (hr) | EPT Usage YTD (hr) | % Usage YTD |
|---|---|---|---|---|---|
| 77 | 77 | 100% | 806 | 806 | 100% |

**Report Comments**

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**AEP Ref #**

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|---|---|
| RAW | Untreated Influent into the plant |
| INF | Untreated wastewater from collection system |
| INFs | Influent, screened at the Headworks Diversion Structure |
| PE | Primary Effluent from conventional primaries |
| PE 30 | Primary Effluent from conventional primaries discharged via Outfall 30 |
| EPT | Enhanced Primary Treatment |
| EPE | Enhanced Primary Effluent |
| EPEPS | Enhanced Primary Effluent Pump Station |
| FE | Final Effluent from secondary treatment process (with biological nutrient removal). Pre-Ultraviolet disinfection. |

| | |
|---|---|
| FEC | Combined post-UV disinfection (FE+EPEPS) |
| OUTFALL 10 | UV-disinfected, discharged via OUTFALL 10 |
| OUTFALL 20 | Combined Bypass (RAW + PE + EPE) |
| OUTFALL 30 | Combined Bypass (INF + INFS + PE30 + EPE) |
| MPW | Membrane Product Water (Effluent re-use water) |
| ML | Megalitre (1,000,000 Litre) |
| MPN | Most Probable Number |
| NR | No Result |
| NS | No Sample |
| INS | Insufficient Sample |
| AEP | Alberta Environment & Parks |

**Alfredo Suarez**
Senior Manager, Operations

**Shane Harnish**
Senior Manager, Analytical Operations