

EL ESTERO WWTP RECLAIMED DISTRIBUTION WATER ANNUAL SUMMARY 2012

| EPA METHODS  | PARAMETER  | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP | OCT | NOV | DEC | MIN   | MAX   | AVG   |
|--------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-------|-------|-------|
| 600/8-78-017 | Total Coliform Bacteria, MPN/100 mL (7-Day Median) | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | <1.1  | <1.1  | <1.1  |     |     |     |     | <1.1  | 1.1   | 1.1   |
| 310.1        | Alkalinity (as CaCO3)                              | 180   | 200   | 190   | 228   | 234   | 265   | 237   | 191   |     |     |     |     | 180   | 265   | 216   |
| Calc.        | Bicarbonate (HCO3)                                 | 220   | 244   | 232   | 278   | 285   | 323   | 289   | 233   |     |     |     |     | 220   | 323   | 263   |
| 215.2        | Calcium (Ca)                                       | 81.3  | 84.5  | 84.1  | 84.1  | 105   | 91.7  | 95.3  | 88.2  |     |     |     |     | 81.3  | 105   | 89.3  |
| 130.2        | Total Hardness (CaCO3)                             | 356   | 382   | 390   | 384   | 457   | 423   | 430   | 364   |     |     |     |     | 356   | 457   | 398   |
| 375.4        | Sulfate (SO4)                                      | 226   | 228   | 230   | 210   | 304   | 243   | 274   | 259   |     |     |     |     | 210   | 304   | 247   |
| 407A         | Chloride (Cl)                                      | 44.9  | 175   | 178   | 139   | 154   | 118   | 84.8  | 44.7  |     |     |     |     | 44.7  | 178   | 117   |
| 352.1        | Nitrate as Nitrogen (NO3-N)                        | 0.30  | NA    | 5.05  | 0.26  | 1.92  | 0.22  | 0.24  | <0.1  |     |     |     |     | <0.1  | 5.05  | 1.0   |
| 354.1        | Nitrite as Nitrogen (NO2-N)                        | <0.1  | NA    | 0.36  | 0.26  | 0.86  | 0.29  | 0.17  | <0.1  |     |     |     |     | <0.1  | 0.86  | 0.3   |
| 300          | Fluoride (F)                                       | 0.40  | 0.41  | 0.41  | 0.35  | 0.45  | 0.40  | 0.37  | 0.33  |     |     |     |     | 0.33  | 0.45  | 0.39  |
| 300          | Bromide (Br)                                       | 0.31  | <0.1  | <0.1  | <0.1  | <0.1  | <0.1  | <0.1  | <0.1  |     |     |     |     | <0.1  | 0.31  | 0.1   |
| 350.3        | Ammonia as Nitrogen                                | 3.71  | 6.59  | 1.41  | 7.19  | 3.26  | 10.5  | 4.73  | 0.4   |     |     |     |     | 0.4   | 10.5  | 4.7   |
| 330.2.3      | Chlorine Residual - Total*                         | 3.42  | 2.36  | 2.75  | 4.66  | 3.59  | 3.34  | 1.84  | 1.72  |     |     |     |     | 1.72  | 4.66  | 2.96  |
| 160.2        | Total Suspended Solids (TSS)*                      | 1.03  | 1.29  | 1.51  | 1.42  | 1.15  | 1.5   | 1.25  | 1.01  |     |     |     |     | 1.01  | 1.51  | 1.27  |
| 160.1        | Total Dissolved Solids (TDS)                       | 779   | 859   | 906   | 924   | 964   | 934   | 920   | 652   |     |     |     |     | 652   | 964   | 867   |
| 150.1        | pH, Units  | 8.11  | 7.84  | 8.04  | 7.85  | 8.10  | 8.12  | 7.88  | 8.10  |     |     |     |     | 7.84  | 8.12  | 8.01  |
| 110.2        | Color, apparent unfiltered                         | <5    | 18    | 12    | 12    | 7     | 13    | 13    | <5    |     |     |     |     | <5    | 18    | 10.6  |
| 120.1        | Conductivity (EC), umhos/cm                        | 934   | 1532  | 1502  | 1679  | 1538  | 1638  | 1398  | 886   |     |     |     |     | 886   | 1679  | 1388  |
| 180.1        | Turbidity, NTUs                                    | 0.42  | 1.56  | 1.51  | 1.68  | 1.06  | 1.16  | 1.22  | 0.38  |     |     |     |     | 0.38  | 1.68  | 1.12  |
| 365.2        | Phosphorous (P)                                    | <0.10 | 0.22  | <0.10 | 0.51  | 0.15  | 0.20  | <0.10 | 0.11  |     |     |     |     | <0.10 | 0.51  | 0.19  |
| 212.3        | Boron (B)  | 0.382 | 0.461 | 0.475 | 0.495 | 0.545 | 0.485 | 0.556 | 0.371 |     |     |     |     | 0.371 | 0.556 | 0.471 |
| 273.1        | Sodium (Na)  | 77.0  | 154   | 150   | 116   | 125   | 136   | 122   | 53.4  |     |     |     |     | 53.4  | 154   | 117   |
| 258.1        | Potassium (K)                                      | 6.24  | 18.7  | 15.9  | 12.8  | 13.7  | 16.0  | 13.8  | 3.70  |     |     |     |     | 3.70  | 18.7  | 12.6  |
| 242.1        | Magnesium (Mg)                                     | 39.6  | 42.4  | 44.0  | 37.6  | 47.8  | 43.8  | 44.0  | 36.8  |     |     |     |     | 36.8  | 47.8  | 42.0  |
| Calc.        | Sodium Absorption Ratio (SAR)                      | 1.75  | 3.41  | 3.30  | 2.64  | 2.54  | 2.92  | 2.59  | 1.20  |     |     |     |     | 1.20  | 3.41  | 2.54  |
| Calc.        | Adjusted Sodium Absorption Ratio (SARa)            | 16.46 | 32.08 | 31.02 | 24.84 | 23.86 | 27.49 | 24.37 | 11.33 |     |     |     |     | 11.33 | 32.08 | 23.9  |
| 206.2        | Arsenic (As)                                       | 19.1  | 21.8  | 15.3  | 15.3  | 18.6  | 17.4  | 20.3  | 20.3  |     |     |     |     | 15.3  | 21.8  | 18.5  |
| 213.1        | Cadmium (Cd)                                       | <1.0  | <1.0  | <1.0  | <1.0  | <1.0  | <1.0  | <1.0  | <1.0  |     |     |     |     | <1.0  | <1.0  | <1.0  |
| 218.1        | Chromium (Cr)                                      | 4.6   | 5.0   | 3.7   | 4.6   | 8.7   | 5.4   | 5.7   | 6.9   |     |     |     |     | 3.7   | 8.7   | 5.6   |
| 220.1        | Copper (Cu)  | 9.8   | 50.4  | 7.8   | 25.2  | 3.5   | <5.0  | 5.4   | <5.0  |     |     |     |     | <5.0  | 50.4  | 14.0  |
| 236.1        | Iron (Fe)  | 38    | 130   | 96    | 59    | 74    | 162   | 166   | 49    |     |     |     |     | 38    | 166   | 96.8  |
| 239.2        | Lead (Pb)  | 1.1   | 2.4   | <1.0  | 1.6   | <1.0  | <1.0  | <1.0  | <1.0  |     |     |     |     | <1.0  | 2.4   | 1.3   |
| 245.1        | Mercury (Hg)                                       | <0.2  | <0.2  | <0.2  | NA    | <0.2  | <0.2  | <0.2  | <0.2  |     |     |     |     | <0.2  | NA    | 0.2   |
| 246.2        | Molybdenum (Mo)                                    | 5.5   | 7.2   | 7.6   | 7.5   | 6.3   | 6.7   | 6.5   | 6.1   |     |     |     |     | 5.5   | 7.6   | 6.7   |
| 249.1        | Nickel (Ni)  | 3.1   | 4.3   | 4.9   | 3.8   | 75.2  | 4.1   | 4.4   | 2.3   |     |     |     |     | 2.3   | 75.2  | 12.8  |
| 270.2        | Selenium (Se)                                      | <1.0  | <1.0  | <1.0  | 2.0   | 1.1   | 1.7   | 1.7   | <1.0  |     |     |     |     | <1.0  | 2.0   | 1.3   |
| 272.1        | Silver (Ag)  | <1.0  | 9.9   | 27.3  | 9.8   | 5.5   | <1.0  | <1.0  | <1.0  |     |     |     |     | <1.0  | 27.3  | 7.1   |
| 289.1        | Zinc (Zn)  | 36.4  | 35.5  | 25.1  | 33.6  | 16.6  | 16.4  | 27.1  | 9.0   |     |     |     |     | 9.0   | 36.4  | 25.0  |

\* Monthly Average

All units are in mg/L unless otherwise indicated.

All Inorganic Trace Metals are in ug/L