

Tap Information Sheet - 1st Quarter
FULBRIGHT WATER TREATMENT PLANT
PWS No. 5010754

01/01/2016 To 03/31/2016

Field Data

| <u>Analyte</u> | <u>Minimum</u> | <u>Average</u> | <u>Maximum</u> | <u>Units</u> | <u>Frequency</u> |
|-----------------|----------------|----------------|----------------|--------------|------------------|
| Chlorine, Free | 0.85 | 0.99 | 1.22 | mg/L | Daily |
| Chlorine, Total | 0.93 | 1.10 | 1.35 | mg/L | Daily |
| Conductivity | 301 | 413 | 532 | µmhos/cm | Daily |
| Flow | 7.7 | 10.6 | 11.5 | MGD | Daily |
| pH | 6.9 | 7.6 | 8.0 | Units | Daily |
| Temperature | 8.7 | 12.0 | 15.7 | C | Daily |
| Turbidity | 0.04 | 0.07 | 0.14 | NTUs | Daily |

Water Quality

| <u>Analyte</u> | <u>Minimum</u> | <u>Average</u> | <u>Maximum</u> | <u>Units</u> | <u>Frequency</u> |
|-------------------------------------|----------------|----------------|----------------|--------------|------------------|
| Alkalinity as CaCO ₃ | 126.0 | 168.4 | 199.8 | mg/L | Daily |
| Calcium as CaCO ₃ | 47.4 | 63.8 | 73.8 | mg/L | Daily |
| Calcium Hardness | 118.2 | 159.3 | 184.2 | mg/L | Daily |
| CCPP | -53.9 | 0.0 | 15.5 | mg/L | Daily |
| Fluoride | 0.63 | 0.69 | 0.75 | mg/L | Daily |
| Total Hardness as CaCO ₃ | 134.6 | 181.5 | 220.8 | mg/L | Daily |
| Total Hardness (GPG) | 7.9 | 10.6 | 12.9 | GPG | Daily |

Microbiological

| <u>Analyte</u> | <u>Minimum</u> | <u>Average</u> | <u>Maximum</u> | <u>Units</u> | <u>Frequency</u> |
|---------------------------|----------------|----------------|----------------|--------------|------------------|
| Coliform | zero | zero | zero | (+) samples | Daily |
| <i>E.coli</i> | zero | zero | zero | (+) samples | Daily |
| Heterotrophic Quanti-Tray | 0.0 | 0.0 | 0.0 | MPN/mL | Weekly |

Inorganic/Metals

| <u>Analyte</u> | <u>Minimum</u> | <u>Average</u> | <u>Maximum</u> | <u>Units</u> | <u>Frequency</u> |
|------------------------|----------------|----------------|----------------|--------------|------------------|
| Antimony | < 1.0 | < 1.0 | < 1.0 | µg/L | Quarterly |
| Arsenic | < 1.0 | < 1.0 | < 1.0 | µg/L | Quarterly |
| Barium | 56.0 | 56.0 | 56.0 | µg/L | Quarterly |
| Beryllium | < 0.3 | < 0.3 | < 0.3 | µg/L | Quarterly |
| Boron | 5.5 | 5.5 | 5.5 | µg/L | Quarterly |
| Bromide | ND (< 0.02) | ND (< 0.02) | ND (< 0.02) | mg/L | Monthly |
| Cadmium | < 1.0 | < 1.0 | < 1.0 | µg/L | Quarterly |
| Chloride | 11.77 | 15.00 | 18.23 | mg/L | Monthly |
| Chromium | 1.1 | 1.1 | 1.1 | µg/L | Quarterly |
| Copper | < 1.0 | < 1.0 | < 1.0 | µg/L | Quarterly |
| Cyanide, Total | < 0.02 | < 0.02 | < 0.02 | mg/L | Quarterly |
| Iron | < 0.02 | < 0.02 | < 0.02 | mg/L | Quarterly |
| Lead | < 1.0 | < 1.0 | < 1.0 | µg/L | Quarterly |
| Magnesium | 5.7 | 5.7 | 5.7 | mg/L | Quarterly |
| Manganese | < 2.0 | < 2.0 | < 2.0 | µg/L | Quarterly |
| Mercury | < 0.1 | < 0.1 | < 0.1 | µg/L | Quarterly |
| Molybdenum | < 2.0 | < 2.0 | < 2.0 | µg/L | Quarterly |
| Nickel | < 1.0 | < 1.0 | < 1.0 | µg/L | Quarterly |
| Nitrate, as N | 1.20 | 1.32 | 1.44 | mg/L | Monthly |
| Nitrite, as N | ND (< 0.06) | ND (< 0.06) | ND (< 0.06) | mg/L | Monthly |
| Phosphate, ortho, as P | ND (< 0.47) | ND (< 0.47) | ND (< 0.47) | mg/L | Monthly |
| Selenium | < 2.0 | < 2.0 | < 2.0 | µg/L | Quarterly |
| Silica, Total | 3.9 | 3.9 | 3.9 | mg/L | Quarterly |
| Sodium | 13.0 | 13.0 | 13.0 | mg/L | Quarterly |
| Sulfate | 7.61 | 10.27 | 12.93 | mg/L | Monthly |
| Thallium | < 0.3 | < 0.3 | < 0.3 | µg/L | Quarterly |
| Zinc | < 5.0 | < 5.0 | < 5.0 | µg/L | Quarterly |

ACRONYM LEGEND

AL = Action Level (9.99% of samples can exceed this level)
C = Celsius
CCPP = Calcium Carbonate Precipitation Potential (a measure of corrosivity)
GPG = Grains Per Gallon (used for estimating detergent requirement)
MCL = Maximum Contaminant Level
MGD = Million Gallons per Day
mg/L = Milligrams per Liter, or Parts per Million
MRDL = Maximum Residual Disinfectant Level
n/a = Not Applicable
ND = Not Detected
NTU = Nephelometric Turbidity Units
µg/L = Micrograms per Liter, or Parts per Billion
µmhos/cm = Micromhos per Centimeter

EPA MAXIMUM CONTAMINANT LIMITS

| | |
|-------------------------------------|-------------------|
| Chlorine, Free (MRDL) | 4 mg/L |
| Chlorine, Total | 4 mg/L |
| Conductivity | n/a |
| Flow | n/a |
| pH | 6.5-8.5 Units |
| Temperature | n/a |
| Turbidity | <0.3 for 95% NTUs |
| Alkalinity as CaCO ₃ | n/a |
| Calcium as CaCO ₃ | n/a |
| Calcium Hardness | n/a |
| CCPP | n/a |
| Fluoride | 4 mg/L |
| Total Hardness as CaCO ₃ | n/a |
| Total Hardness (GPG) | n/a |
| Coliform | 5% (+) samples |
| E.coli | zero (+) samples |
| Antimony | 6 µg/L |
| Arsenic | 10 µg/L |
| Barium | 2000 µg/L |
| Beryllium | 4 µg/L |
| Boron | n/a |
| Bromide | n/a |
| Cadmium | 5 µg/L |
| Chloride | 250 mg/L |
| Chromium | 100 µg/L |
| Copper | AL=15 µg/L |
| Cyanide, Total | 0.2 mg/L |
| Iron | 300 µg/L |
| Lead | AL=15 µg/L |
| Magnesium | n/a |
| Manganese | 50 µg/L |
| Molybdenum | n/a |
| Nickel | n/a |
| Nitrate, as N | 10 mg/L |
| Nitrite, as N | 1 mg/L |
| Phosphate, ortho, as P | n/a |
| Selenium | 50 µg/L |
| Silica, Total | n/a |
| Sodium | n/a |
| Sulfate | 250 mg/L |
| Thallium | 2 µg/L |
| Zinc | 5000 µg/L |