

**North Texas Municipal Water District
Water Analysis
Jul-2007**

| Mineral Analysis | Raw | Treated | Standards | | | |
|-------------------------|---------------|----------------|------------------------|--------------------------|-------------------------|---------------------------|
| | | | EPA Primary | EPA Secondary | TCEQ Primary | TCEQ Secondary |
| | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) |
| Residue on Evaporation | 256 | 318 | | 500 | | 1000 |
| Silica (SiO2) | 9.58 | 8.30 | | | | |
| Iron (Fe) | <0.200 | <0.200 | | 0.3 | | 0.3 |
| Calcium (Ca) | 59.8 | 53.6 | | | | |
| Magnesium (Mg) | 4.38 | 3.97 | | | | |
| Sodium (Na) | 41.8 | 28.6 | | | | |
| Potassium (K) | 4.71 | 4.34 | | | | |
| Bicarbonates (HCO3) | 151 | 138 | | | | |
| Carbonates (CO3) | 0 | 0 | | | | |
| Hydroxides (OH) | 0 | 0 | | | | |
| Sulfate (SO4) | 55.9 | 114 | | 250 | | |
| Nitrite (NO2) | <0.0200 | <0.0200 | 1 | | 1 | |
| Nitrate (NO3) | 0.142 | 0.0600 | 10 | | 10 | |
| Chloride (Cl) | 47.9 | 86.4 | | 250 | | 300 |
| Fluoride (F) | 0.256 | 0.439 | 4.0 | 2.0 | | 2.0 |
| Phosphates (PO4) | 0.0516 | <0.0500 | | | | |

| | (mg/L as CaCO3) | (mg/L as CaCO3) | (mg/L as CaCO3) | (mg/L as CaCO3) | (mg/L as CaCO3) | (mg/L as CaCO3) |
|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Total Alkalinity | 124 | 113 | | | | |
| Phenolphthalein Alkalinity | 0 | 0 | | | | |
| Noncarbonate Hardness | 32.9 | 61.1 | | | | |
| Total Hardness | 157 | 174 | | | | |
| Langelier Index | - | #N/A | | | | |

Trace Element Analysis

| | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) |
|----------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Arsenic (As) | 0.00121 | 0.00528 | 0.01 | | 0.01 | |
| Barium (Ba) | 0.0417 | 0.0434 | 2 | | 2 | |
| Cadmium (Cd) | <0.00100 | <0.00100 | 0.005 | | 0.005 | |
| Chromium (Cr) | <0.00200 | <0.00200 | 0.1 | | 0.1 | |
| Copper (Cu) | 0.0529 | 0.00703 | 1.3 | | 1.3 | 1.0 |
| Iron (Fe) | <0.200 | <0.200 | | 0.3 | | |
| Lead (Pb) | <0.00100 | <0.00100 | 0.15 | | 0.15 | |
| Manganese (Mn) | 0.00220 | 0.00741 | | 0.05 | | 0.05 |
| Mercury (Hg) | <0.000100 | <0.000100 | 0.002 | | 0.002 | |
| Nickel (Ni) | 0.00263 | 0.00265 | | | | |
| Selenium (Se) | 0 | 0 | 0.05 | | 0.05 | |
| Silver (Ag) | 0 | 0 | | 0.10 | | 0.1 |
| Zinc (Zn) | 0 | 0 | | 5 | | 5 |

Other Analysis

| | | | | | | |
|-------------------------------------|------|-------|-----|-----------|-----|------|
| Chlorine Residual (mg/L) | 0 | 2.83 | 4.0 | | 4.0 | |
| Total coliform (Present / Absent) | P | A | A | | A | |
| pH (Standard Units) @ 25°C | 7.57 | 7.87 | | 6.5 - 8.5 | | >7.0 |
| Specific Conductance (Umhos) | 0 | 0 | | | | |
| Turbidity (NTU) | 3.15 | 0.156 | 0.3 | | 0.3 | |
| Threshold Odor Number | 12E | 1C | | | | 3 |

Note: National Primary Drinking Water Regulations or Primary Standards are legally enforceable standards. National Secondary Drinking Water Regulations or Secondary Standards are non-enforceable guidelines regulating contaminants that may cause cosmetic or aesthetic effects In Drinking Water.

Note: TCEQ Primary Standards are the maximum contaminant level allowed for each constituent. TCEQ Primary Standards are legally enforceable standards.