NORTH TEXAS MUNICIPAL WATER DISTRICT

MONTHLY WATER ANALYSIS (WO# 1142068)

MONTH: Oct 2011	RAW	TREATED
Mineral Analysis	mg/L	mg/L
Residue on Evaporation	230	270
Silica (SiO2)	8.59	7.50
Iron (Fe)	0.248	<0.200
Calcium (Ca)	32.4	39.4
Magnesium (Mg)	4.24	4.07
Sodium (Na)	34.7	46.4
Potassium (K)	6.05	5.85
Bicarbonates (HCO3)	84.0	66.0
Carbonates (CO3)	0	0
Hydroxides (OH)	0	0
Sulfate (SO4)	41.7	77.1
Nitrite (NO2)	0.0872	<0.0200
Nitrate (NO3)	0.316	0.216
Chloride (Cl)	31.3	37.9
Fluoride (F)	0.368	0.732
Phosphates (PO4)	0.106	0.0131
Water Stability	mg/L as CaCO3	mg/L as CaCO3
Total Alkalinity	84.0	66.0
Phenolphthalein Alkalinity	0	0
Noncarbonate Hardness	18.0	52.0
Total Hardness	102	118
Langelier Index	-	[- 0.476]
Trace Element Analysis	mg/L	mg/L
Arsenic (As)	<0.00500	<0.00500
Barium (Ba)	0.0510	0.0390
Cadmium (Cd)	<0.00100	<0.00100
Chromium (Cr)	<0.00500	<0.00500
Copper (Cu)	0.00712	0.104
Iron (Fe)	0.248	<0.200
Lead (Pb)	<0.00100	<0.00100
Manganese (Mn)	0.0348	0.00164
Mercury (Hg)	<0.000100	<0.000100
Nickel (Ni)	0.00326	0.00498
Selenium (Se)	<0.00100	<0.00100
Silver (Ag)	<0.00100	<0.00100
Zinc (Zn)	<0.00500	<0.00500
Other Analysis	Units	Units
Chlorine Residual (mg/L)	-	3.35*
Total coliform (Present / Absent)	P	A
pH (Standard Units) @ 25°C	8.03*	7.48*
Specific Conductance (Umhos)	367	444
Turbidity (NTU)	23.0	0.140*
Threshold Odor Number	8F	4E

Remarks: * Identifies Monthly Average Process and Field analyses.

Lab Manager: Elizabeth Turner

Date: 11/10/11