

**CITY OF ROSEVILLE
RECYCLED WATER QUALITY REPORT - 2011**

CHARACTERISTICS:	UNITS	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
General					
pH	-	7.1	7.0	7.1	7.3
Temperature	°C	14	19	23	16
Turbidity	NTU	0.51	0.41	0.26	0.25
Conductance	umhos/cm	423	453	467	445
Total Dissolved Solids	mg/l	289	300	280	303
Total Hardness	mg/l CaCO ₃	103	108	106	92
Total Alkalinity	mg/l CaCO ₃	89	88	90	85
Cations					
Calcium	mg/l	30	35	NT	NT
Magnesium	mg/l	42	5.3	NT	NT
Sodium	mg/l	244	41	NT	NT
Potassium	mg/l	22	13	NT	NT
Anions					
Bicarbonate	mg/l	123	99	NT	NT
Sulfate	mg/l	24	24	NT	NT
Chloride	mg/l	37	41	NT	NT
Fluoride	mg/l	0.3	0.32	NT	NT
Nutrients					
Nitrogen - N	mg/l	9.22	10.43	10.55	11.37
Phosphorus	mg/l	1.3	3.5	NT	NT
Organic-Biological					
Biochemical Oxygen Demand	mg/l	1.5	1.4	1.2	0.9
Total Suspended Solids	mg/l	1.8	1.5	1.4	1
Coliform	MPN	<2	<2	<2	<2
Irrigation Factors					
Boron	mg/l	NT	NT	NT	NT
Chlorine Residual	mg/l	NA	NA	NA	NA
Trace Elements					
Aluminum	mg/l	0.0130	0.0240	0.018	0.021
Arsenic	mg/l	0.00063	0.00063	NT	NT
Beryllium	mg/l	<0.00004	<0.00004	NT	NT
Cadmium	mg/l	<0.00001	<0.00004	NT	NT
Cobalt	mg/l	NT	NT	NT	NT
Chromium	mg/l	0.00026	0.00042	NT	NT
Copper	mg/l	0.002	0.0036	NT	NT
Iron	mg/l	0.37	<0.04	NT	NT
Lithium	mg/l	NT	NT	NT	NT
Manganese	mg/l	0.034	0.0041	0.0031	0.0025
Nickel	mg/l	0.0015	0.0021	NT	NT
Lead	mg/l	0.00031	0.00021	NT	NT
Selenium	mg/l	<0.00026	<0.00013	NT	NT
Silver	mg/l	<0.00006	0.00002	NT	NT
Zinc	mg/l	0.029	0.035	0.039	0.032
Organics₁					
Volatile	mg/l	<0.002	0.6	NT	NT
Semi-Volatile	mg/l	<0.005	<0.005	NT	NT

mg/l - milligram per liter

1. EPA 624&625 list of organics