

**BURBANK WATER AND POWER
2010/11 RECYCLED WATER SAMPLING RESULTS**

			2011						6 Month Avg.	2010 Potable Avg.
			Jan	Feb	Mar	Apr	May	Jun		
Turbidity	avg.	NTU	0.36	0.27	0.28	0.27	0.28	0.28	0.29	0.09
pH	min.	S.U.	7.2	7.0	7.1	7.3	7.3	7.3	7.2	7.8
pH	max.	S.U.	7.6	7.5	7.6	7.5	7.5	7.7	7.5	8.3
TSS	avg.	mg/l	<1	<1	<1	<1	<1	<1	<1	
BOD	avg.	mg/l	<3	<3	<3	<3	<3	<3	<3	
TDS	max.	mg/l	603	600	606	618	610	660	616	405
Chloride	max.	mg/l	123	127	114	120	125	116	121	60
Sulfate	max.	mg/l	111	112	111	112	112	113	112	74
Fluoride	max.	mg/l	0.56	0.61	0.14	0.63	0.61	0.75	0.6	0.66
Hardness	max.	mg/l	240	230	220	250	250	260	242	233
Boron	max.	mg/l	0.38	0.39	0.39	0.40	0.47	0.40	0.41	0.138
Nitrate-N	max.	mg/l	6.6	6.4	4.9	4.8	6.6	5.9	5.9	4.6
Nitrite-N	max.	mg/l	ND	ND	ND	ND	ND	ND	<0.1	<0.2
Nitrate+Nitrite	max.	mg/l	6.6	6.4	4.9	4.8	6.6	6.0	5.9	4.6
Ammonia-N	max.	mg/l	1.0	1.2	1.0	0.7	0.8	0.5	0.9	
Phosphorus-P	max.	mg/l	41.0	3.3	3.9	4.4	4.4	3.2	10	
Phosphate (PO4)	max.	mg/l	120.0	10.0	12.0	13.0	13.0	10	30	
Alkalinity(CaCO3)	max.	mg/l	200	200	210	220	200	200	205	170
Bicarbonate(HCO3)	max.	mg/l	240	250	250	260	240	250	248	210
Conductivity	max.	umho/cm	960	950	970	1000	990	950	970	686
Aluminum	max.	µg/l	43	35	44	36	36	50	41	64
Arsenic	max.	µg/l	1.3	1.4	1.6	1.4	2.4	1.4	1.6	1.8
Cadmium	max.	µg/l	0.18	0.14	0.18	0.37	0.13	0.12	0.19	<0.50
Chromium	max.	µg/l	1.5	2.7	2.5	2.2	2.3	2.5	2.3	4.2
Cobalt	max.	µg/l	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2
Copper	max.	µg/l	18	10	14	24	20	16	17	<2
Iron	max.	µg/l	27	52	35	42	61		43	<20
Lead	max.	µg/l	0.5	0.8	0.7	0.9	0.5	0.5	0.6	<0.50
Manganese	max.	µg/l	9.0	16.0	3.7	5.5	4	3.4	7	<2
Mercury	max.	µg/l	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20
Nickel	max.	µg/l	2.4	2.7	3.4	<5	2.9	<5	2.9	<5
Antimony	max.	µg/l		0.51			0.57		0.5	<1
Selenium	max.	µg/l	1.3	1.6	1.6	1.6	2.1	1.5	1.6	<5
Silver	max.	µg/l		0			0.23		0.1	<0.50
Zinc	max.	µg/l	71	80	76	57	66	64	69	<20
Cyanide	max.	µg/l	<5	<5	<5	<5	<5		<5	<5
Beryllium	max.	µg/l	<1	<1	<1	<1	<1		<1	<1
Calcium	max.	mg/l	60	62	62	64	62	68	63	62
Magnesium	max.	mg/l	20	21	21	23	21	23	22	19
Potassium	max.	mg/l	16	15	17	17	17	17	17	3.7
Sodium	max.	mg/l	92	92	100	98	98	98	96	49
Silica	max.	mg/l	22	22	24	24	23	26	24	
Chromium VI	max.	µg/l	0.11	0.33	0.23	0.039	0.094	0.038	0.14	3.7
Vanadium	max.	µg/l	<3	<3	<3	<3	<3	<3	<3	5.7
THMs	max.	µg/l	12	10	14	13	19	13	13	13
SAR	max.		3.7	3.6	4.0	3.8	3.9	3.7	3.8	2.0