

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

			2010		2011				6 Month Avg.	2010 Potable Avg.
			Nov	Dec	Jan	Feb	Mar	Apr		
Turbidity	avg.	NTU	0.32	0.42	0.36	0.27	0.28	0.27	0.32	0.09
pH	min.	S.U.	7.2	7.2	7.2	7.0	7.1	7.3	7.2	7.8
pH	max.	S.U.	7.7	7.5	7.6	7.5	7.6	7.5	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	620	590	603	600	606	618	606	405
Chloride	max.	mg/l	123	120	123	127	114	120	121	60
Sulfate	max.	mg/l	115	111	111	112	111	112	112	74
Fluoride	max.	mg/l	0.74	0.59	0.56	0.61	0.14	0.63	0.5	0.66
Hardness	max.	mg/l	290	260	240	230	220	250	248	233
Boron	max.	mg/l	0.49	0.48	0.38	0.39	0.39	0.40	0.42	0.138
Nitrate-N	max.	mg/l	5.1	5.9	6.6	6.4	4.9	4.8	5.6	4.6
Nitrite-N	max.	mg/l	ND	ND	ND	ND	ND	ND	<0.1	<0.2
Nitrate+Nitrite	max.	mg/l	5.1	5.9	6.6	6.4	4.9	4.8	5.6	4.6
Ammonia-N	max.	mg/l	1.1	0.9	1.0	1.2	1.0	0.7	1.0	
Phosphorus-P	max.	mg/l		2.3	41.0	3.3	3.9	4	11	
Phosphate (PO4)	max.	mg/l		7.0	120.0	10.0	12.0	13	32	
Alkalinity(CaCO3)	max.	mg/l		220	200	200	210	200	206	170
Bicarbonate(HCO3)	max.	mg/l		260	240	250	250	240	248	210
Conductivity	max.	umho/cm		1000	960	950	970	990	974	686
Aluminum	max.	µg/l		50	43	35	44	36	42	64
Arsenic	max.	µg/l	1.5	1.3	1.3	1.4	1.6	1.5	1.4	1.8
Cadmium	max.	µg/l	0.00	0.13	0.18	0.14	0.18	0.37	0.17	<0.50
Chromium	max.	µg/l	1.8	1.1	1.5	2.7	2.5	2.2	2.0	4.2
Cobalt	max.	µg/l		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2
Copper	max.	µg/l	15	19	18	10	14	24	17	<2
Iron	max.	µg/l	90	41	27	52	35	44	48	<20
Lead	max.	µg/l	0.6	0.5	0.5	0.8	0.7	0.9	0.7	<0.50
Manganese	max.	µg/l	1.8	2.6	9.0	16.0	4	5.5	6	<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	2.8	2.3	2.4	2.7	3.4		2.7	<5
Antimony	max.	µg/l	0.48			0.51			0.5	<1
Selenium	max.	µg/l	0.8	0.9	1.3	1.6	1.6	1.6	1.3	<5
Silver	max.	µg/l	0.15	0.29		0			0.1	<0.50
Zinc	max.	µg/l	66	69	71	80	76	57	70	<20
Cyanide	max.	µg/l	<5	<5	<5	<5	<5	<5	<5	<5
Beryllium	max.	µg/l		<1	<1	<1	<1	<1	<1	<1
Calcium	max.	mg/l		68	60	62	62	62	63	62
Magnesium	max.	mg/l		23	20	21	21	21	21	19
Potassium	max.	mg/l		16	16	15	17	17	16	3.7
Sodium	max.	mg/l		97	92	92	100	98	96	49
Silica	max.	mg/l		24	22	22	24	23	23	
Chromium VI	max.	µg/l	0.13	0.086	0.11	0.33	0.23	0.039	0.15	3.7
Vanadium	max.	µg/l		<3	<3	<3	<3	<3	<3	5.7
THMs	max.	µg/l	18	16	12	10	14	13	14	13
SAR	max.			3.7	3.7	3.6	4.0	3.9	3.8	2.0