

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

			2010			2011			6 Month Avg.	2010 Potable Avg.
			Oct	Nov	Dec	Jan	Feb	Mar		
Turbidity	avg.	NTU	0.28	0.32	0.42	0.36	0.27	0.28	0.32	0.09
pH	min.	S.U.	7.3	7.2	7.2	7.2	7.0	7.1	7.2	7.8
pH	max.	S.U.	7.5	7.7	7.5	7.6	7.5	7.6	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	653	620	590	603	600	606	612	405
Chloride	max.	mg/l	130	123	120	123	127	114	123	60
Sulfate	max.	mg/l	123	115	111	111	112	111	114	74
Fluoride	max.	mg/l	0.66	0.74	0.59	0.56	0.61	0.14	0.6	0.66
Hardness	max.	mg/l	250	290	260	240	230	220	248	233
Boron	max.	mg/l	0.39	0.49	0.48	0.38	0.39	0.39	0.42	0.138
Nitrate-N	max.	mg/l	5.0	5.1	5.9	6.6	6.4	4.9	5.7	4.6
Nitrite-N	max.	mg/l	ND	ND	ND	ND	ND	ND	<0.1	<0.2
Nitrate+Nitrite	max.	mg/l	5.0	5.1	5.9	6.6	6.4	4.9	5.7	4.6
Ammonia-N	max.	mg/l	1.0	1.1	0.9	1.0	1.2	1.0	1.0	
Phosphorus-P	max.	mg/l			2.3	41.0	3.3	4	13	
Phosphate (PO4)	max.	mg/l			7.0	120.0	10.0	12	37	
Alkalinity(CaCO3)	max.	mg/l			220	200	200	210	208	170
Bicarbonate(HCO3)	max.	mg/l			260	240	250	250	250	210
Conductivity	max.	umho/cm			1000	960	950	970	970	686
Aluminum	max.	µg/l			50	43	35	44	43	64
Arsenic	max.	µg/l		1.5	1.3	1.3	1.4	1.6	1.4	1.8
Cadmium	max.	µg/l	0.00	0.00	0.13	0.18	0.14	0.18	0.11	<0.50
Chromium	max.	µg/l	6.0	1.8	1.1	1.5	2.7	2.5	2.6	4.2
Cobalt	max.	µg/l			<0.2	<0.2	<0.2	<0.2		<2
Copper	max.	µg/l	9	15	19	18	10	14	14	<2
Iron	max.	µg/l		90	41	27	52	35	49	<20
Lead	max.	µg/l	0.4	0.6	0.5	0.5	0.8	0.7	0.6	<0.50
Manganese	max.	µg/l	1.7	1.8	2.6	9.0	16	3.7	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	0.2	0.8	0.9	1.3	1.6	1.6	1.1	<5
Silver	max.	µg/l		0.15	0.29		0		0.1	<0.50
Zinc	max.	µg/l	61	66	69	71	80	76	71	<20
Cyanide	max.	µg/l		<5	<5	<5	<5	<5	<5	<5
Beryllium	max.	µg/l			<1	<1	<1	<1	<1	<1
Calcium	max.	mg/l	71		68	60	62	62	65	62
Magnesium	max.	mg/l	21		23	20	21	21	21	19
Potassium	max.	mg/l	16		16	16	15	17	16	3.7
Sodium	max.	mg/l	116		97	92	92	100	99	49
Silica	max.	mg/l			24	22	22	24	23	
Chromium VI	max.	µg/l	0.058	0.13	0.086	0.11	0.33	0.23	0.16	3.7
Vanadium	max.	µg/l			<3	<3	<3	<3	<3	5.7
THMs	max.	µg/l	14	18	16	12	10	14	14	13
SAR	max.		4.4		3.7	3.7	3.6	4.0	3.9	2.0