

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

			2010					2011	6 Month Avg.	2010 Potable Avg.
			Aug	Sep	Oct	Nov	Dec	Jan		
Turbidity	avg.	NTU	0.29	0.24	0.28	0.32	0.42	0.36	0.32	0.09
pH	min.	S.U.	7.3	7.3	7.3	7.2	7.2	7.2	7.3	7.8
pH	max.	S.U.	7.5	7.5	7.5	7.7	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	660	688	653	620	590	603	636	405
Chloride	max.	mg/l	127	132	130	123	120	123	126	60
Sulfate	max.	mg/l	119	126	123	115	111	111	118	74
Fluoride	max.	mg/l	0.61	0.74	0.66	0.74	0.59	0.56	0.7	0.66
Hardness	max.	mg/l	280	250	250	290	260	240	262	233
Boron	max.	mg/l	0.49	0.42	0.39	0.49	0.48	0.38	0.44	0.138
Nitrate-N	max.	mg/l	5.4	4.9	5.0	5.1	5.9	6.6	5.5	4.6
Nitrite-N	max.	mg/l	ND	ND	ND	ND	ND	ND	<0.1	<0.2
Nitrate+Nitrite	max.	mg/l	5.4	4.9	5.0	5.1	5.9	6.6	5.5	4.6
Ammonia-N	max.	mg/l	1.1	0.6	1.0	1.1	0.9	1.0	0.9	
Phosphorus-P	max.	mg/l					2.3	41	22	
Phosphate (PO4)	max.	mg/l					7.0	120	64	
Alkalinity(CaCO3)	max.	mg/l					220	200	210	170
Bicarbonate(HCO3)	max.	mg/l					260	240	250	210
Conductivity	max.	umho/cm					1000	960	980	686
Aluminum	max.	µg/l					50	43	47	64
Arsenic	max.	µg/l	1.2			1.5	1.3	1.3	1.3	1.8
Cadmium	max.	µg/l	0.17	0.12	0.00	0.00	0.13	0.18	0.10	<0.50
Chromium	max.	µg/l	2.2	2.3	6.0	1.8	1.1	1.5	2.5	4.2
Cobalt	max.	µg/l					<0.2	<0.2		<2
Copper	max.	µg/l	20	16	9	15	19	18	16	<2
Iron	max.	µg/l	50			90	41	27	52	<20
Lead	max.	µg/l	1.8	0.5	0.4	0.6	0.5	0.5	0.7	<0.50
Manganese	max.	µg/l	2.3	2.0	1.7	1.8	2.6	9.0	3	<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	2.9			2.8	2.3	2.4	2.6	<5
Antimony	max.	µg/l	0.58			0.48			0.5	<1
Selenium	max.	µg/l	1.4	1.0	0.2	0.8	0.9	1.3	0.9	<5
Silver	max.	µg/l	0.21			0.15	0.29		0.2	<0.50
Zinc	max.	µg/l	73	76	61	66	69	71	69	<20
Cyanide	max.	µg/l	<5			<5	<5	<5	<5	<5
Beryllium	max.	µg/l	<1				<1	<1	<1	<1
Calcium	max.	mg/l	71		71		68	60	68	62
Magnesium	max.	mg/l	21		21		23	20	21	19
Potassium	max.	mg/l	15		16		16	16	16	3.7
Sodium	max.	mg/l	112		116		97	92	104	49
Silica	max.	mg/l					24	22	23	
Chromium VI	max.	µg/l	0.067	0.028	0.058	0.13	0.086	0.11	0.08	3.7
Vanadium	max.	µg/l					<3	<3	<3	5.7
THMs	max.	µg/l	17	21	14	18	16	12	16	13
SAR	max.		4.2		4.4		3.7	3.7	4.0	2.0