

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

			2010						6 Month Avg.	2010 Potable Avg.
			July	Aug	Sep	Oct	Nov	Dec		
Turbidity	avg.	NTU	0.30	0.29	0.24	0.28	0.32	0.42	0.31	0.09
pH	min.	S.U.	7.3	7.3	7.3	7.3	7.2	7.2	7.3	7.8
pH	max.	S.U.	7.5	7.5	7.5	7.5	7.7	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	664	660	688	653	620	590	646	405
Chloride	max.	mg/l	135	127	132	130	123	120	128	60
Sulfate	max.	mg/l	117	119	126	123	115	111	119	74
Fluoride	max.	mg/l	0.50	0.61	0.74	0.66	0.74	0.59	0.6	0.66
Hardness	max.	mg/l	230	280	250	250	290	260	260	233
Boron	max.	mg/l	0.40	0.49	0.42	0.39	0.49	0.48	0.45	0.138
Nitrate-N	max.	mg/l	4.9	5.4	4.9	5.0	5.1	5.9	5.2	4.6
Nitrite-N	max.	mg/l	ND	ND	ND	ND	ND	ND	<0.1	<0.2
Nitrate+Nitrite	max.	mg/l	4.9	5.4	4.9	5.0	5.1	5.9	5.2	4.6
Ammonia-N	max.	mg/l	0.8	1.1	0.6	1.0	1.1	0.9	0.9	
Phosphorus-P	max.	mg/l						2.3	2	
Phosphate	max.	mg/l						7.0	7	
Alkalinity(CaCO3)	max.	mg/l						220	220	170
Bicarbonate(HCO3)	max.	mg/l						260	260	210
Conductivity	max.	umho/cm						1000	1000	686
Aluminum	max.	µg/l						50	50	64
Arsenic	max.	µg/l	0.8	1.2			1.5	1.3	1.2	1.8
Cadmium	max.	µg/l	0.16	0.17	0.12	0.00	0.00	0.13	0.10	<0.50
Chromium	max.	µg/l	2.2	2.2	2.3	6.0	1.8	1.1	2.6	4.2
Cobalt	max.	µg/l						<2		<2
Copper	max.	µg/l	17	20	16	9	15	19	16	<2
Iron	max.	µg/l	31	50			90	41	53	<20
Lead	max.	µg/l	0.5	1.8	0.5	0.4	0.6	0.5	0.7	<0.50
Manganese	max.	µg/l	3.5	2.3	2.0	1.7	1.8	2.6	2	<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	2.7	<5
Antimony	max.	µg/l		0.58			0.48		0.5	<1
Selenium	max.	µg/l	1.3	1.4	1.0	0.2	0.8	0.9	0.9	<5
Silver	max.	µg/l		0.21			0.15	0.29	0.2	<0.50
Zinc	max.	µg/l	81	73	76	61	66	69	71	<20
Cyanide	max.	µg/l	<5	<5			<5	<5	<5	<5
Beryllium	max.	µg/l		<1				<1	<1	<1
Calcium	max.	mg/l	63	71		71		68	68	62
Magnesium	max.	mg/l	20	21		21		23	21	19
Potassium	max.	mg/l	18	15		16		16	16	3.7
Sodium	max.	mg/l	113	112		116		97	110	49
Silica	max.	mg/l						24	24	
Chromium VI	max.	µg/l	0.044	0.067	0.028	0.058	0.13	0.086	0.07	3.7
Vanadium	max.	µg/l						<3		5.7
THMs	max.	µg/l	16	17	21	14	18	16	17	13
SAR	max.		4.5	4.2		4.4		3.7	4.2	2.0