

**BURBANK WATER AND POWER
2011 RECYCLED WATER SAMPLING RESULTS**

			2011						6 Month Avg.	2011 Potable Avg.
			Apr	May	Jun	Aug	Sep	Oct		
Turbidity	avg.	NTU	0.28	0.28	0.29	0.27	0.25	0.29	0.27	0.09
pH	min.	S.U.	7.3	7.3	6.9	7.0	6.8	6.9	7.0	7.8
pH	max.	S.U.	7.5	7.7	7.3	7.3	7.2	7.2	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	610	660	595	625	634	593	619	417
Chloride	max.	mg/l	125	116	121	114	127	126	121	57
Sulfate	max.	mg/l	112	113	108	109	119	108	112	71
Fluoride	max.	mg/l	0.61	0.75	0.66	0.67	0.69	0.61	0.7	0.61
Hardness	max.	mg/l	250	260	260	250	240	240	250	247
Boron	max.	mg/l	0.47	0.40	0.41	0.35	0.29	0.36	0.38	0.16
Nitrate-N	max.	mg/l	6.6	5.9	4.8	5.4	6.8	5.2	5.8	4.9
Nitrite-N	max.	mg/l	ND	ND	ND	ND	ND	ND	<0.1	<0.2
Nitrate+Nitrite	max.	mg/l	6.6	6.0	4.8	5.4	6.8	5.2	5.8	4.9
Ammonia-N	max.	mg/l	0.8	0.5	0.7	1.0	0.2	0.9	0.7	
Phosphorus-P	max.	mg/l	4.4	3.2	1.8	4.8	5.5	1.0	3	
Phosphate (PO4)	max.	mg/l	13	10	5.5	15	17	3	11	
Alkalinity(CaCO3)	max.	mg/l	200	200	190	180	190	190	192	177
Bicarbonate(HCO3)	max.	mg/l	240	250	230	220	230	230	233	213
Conductivity	max.	umho/cm	990	950	910	920	1000	880	942	700
Aluminum	max.	µg/l	36	50	54	23	45	46	42	32
Arsenic	max.	µg/l	2.4	1.4	1.3	1.1	1.3	1.2	1.5	1.2
Cadmium	max.	µg/l	0.13	0.12	0.11	0.10	0.15	0.12	0.12	<0.50
Chromium	max.	µg/l	2.3	2.5	3.4	1.1	2.3	2.6	2.4	3.4
Cobalt	max.	µg/l	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2
Copper	max.	µg/l	20	16	11	12	16	11	14	<2
Iron	max.	µg/l	61		<20	49	23	32	41	<20
Lead	max.	µg/l	0.5	0.5	0.3	0.6	0.3	0.3	0.4	<0.50
Manganese	max.	µg/l	4	3.4	1.0	1.9	1.2	5.7	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	<5	<5	<5	<5	<5	2.9	<5
Antimony	max.	µg/l	0.57			0.55			0.6	<1
Selenium	max.	µg/l	2.1	1.5	0.8	2.0	1.5	1.5	1.6	<5
Silver	max.	µg/l	0.23		0.09	0.11	0.18		0.2	<0.50
Zinc	max.	µg/l	66	64	57	62	53	58	60	<20
Cyanide	max.	µg/l	<5			<5			<5	<5
Beryllium	max.	µg/l	<1	<1	<1	<1	<1	<1	<1	<1
Calcium	max.	mg/l	62	68	58	54	60	59	60	65
Magnesium	max.	mg/l	21	23	20	19	22	19	21	21
Potassium	max.	mg/l	17	17	15	16	17	14	16	4
Sodium	max.	mg/l	98	98	88	93	120	89	98	43
Silica	max.	mg/l	23	26	22	22	24	23	23	
Chromium VI	max.	µg/l	0.094	0.038	0.057	0.08	0	0.055	0.05	3
Vanadium	max.	µg/l	<3	<3	<3	<3	<3	<3	<3	5.5
THMs	max.	µg/l	19	13	10	10	14	9	13	15
SAR	max.		3.9	3.7	3.6	3.9	4.8	3.6	3.9	1.7