

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

			2011						6 Month Avg.	2011 Potable Avg.
			Mar	Apr	May	Jun	Jul	Aug		
Turbidity	avg.	NTU	0.28	0.27	0.28	0.28	0.29	0.27	0.28	0.09
pH	min.	S.U.	7.1	7.3	7.3	7.3	6.9	7.0	7.2	7.8
pH	max.	S.U.	7.6	7.5	7.5	7.7	7.3	7.3	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	606	618	610	660	595	625	619	417
Chloride	max.	mg/l	114	120	125	116	121	114	118	57
Sulfate	max.	mg/l	111	112	112	113	108	109	111	71
Fluoride	max.	mg/l	0.14	0.63	0.61	0.75	0.66	0.67	0.6	0.61
Hardness	max.	mg/l	220	250	250	260	260	250	248	247
Boron	max.	mg/l	0.39	0.40	0.47	0.40	0.41	0.35	0.40	0.16
Nitrate-N	max.	mg/l	4.9	4.8	6.6	5.9	4.8	5.4	5.4	4.9
Nitrite-N	max.	mg/l	ND	ND	ND	ND	ND	ND	<0.1	<0.2
Nitrate+Nitrite	max.	mg/l	4.9	4.8	6.6	6.0	4.8	5.4	5.4	4.9
Ammonia-N	max.	mg/l	1.0	0.7	0.8	0.5	0.7	1.0	0.8	
Phosphorus-P	max.	mg/l	3.9	4.4	4.4	3.2	1.8	4.8	4	
Phosphate (PO4)	max.	mg/l	12	13	13	10	5.5	15	11	
Alkalinity(CaCO3)	max.	mg/l	210	220	200	200	190	180	200	177
Bicarbonate(HCO3)	max.	mg/l	250	260	240	250	230	220	242	213
Conductivity	max.	umho/cm	970	1000	990	950	910	920	957	700
Aluminum	max.	µg/l	44	36	36	50	54	23	41	32
Arsenic	max.	µg/l	1.6	1.4	2.4	1.4	1.3	1.1	1.5	1.2
Cadmium	max.	µg/l	0.18	0.37	0.13	0.12	0.11	0.10	0.17	<0.50
Chromium	max.	µg/l	2.5	2.2	2.3	2.5	3.4	1.1	2.3	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	14	24	20	16	11	12	16	<2
Iron	max.	µg/l	35	42	61		<20	49	47	<20
Lead	max.	µg/l	0.7	0.9	0.5	0.5	0.3	0.6	0.6	<0.50
Manganese	max.	µg/l	3.7	5.5	4	3.4	1.0	1.9	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	3.4	<5	2.9	<5	<5	<5	3.2	<5
Antimony	max.	µg/l			0.57			0.55	0.6	<1
Selenium	max.	µg/l	1.6	1.6	2.1	1.5	0.8	2.0	1.6	<5
Silver	max.	µg/l			0.23		0.09	0.11	0.1	<0.50
Zinc	max.	µg/l	76	57	66	64	57	62	64	<20
Cyanide	max.	µg/l	<5	<5	<5			<5	<5	<5
Beryllium	max.	µg/l	<1	<1	<1	<1	<1	<1	<1	<1
Calcium	max.	mg/l	62	64	62	68	58	54	61	65
Magnesium	max.	mg/l	21	23	21	23	20	19	21	21
Potassium	max.	mg/l	17	17	17	17	15	16	17	4
Sodium	max.	mg/l	100	98	98	98	88	93	96	43
Silica	max.	mg/l	24	24	23	26	22	22	24	
Chromium VI	max.	µg/l	0.23	0.039	0.094	0.038	0.057	0.08	0.09	3
Vanadium	max.	µg/l	<3	<3	<3	<3	<3	<3	<3	5.5
THMs	max.	µg/l	14	13	19	13	10	10	13	15
SAR	max.		4.0	3.8	3.9	3.7	3.6	3.9	3.8	1.7