

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

			2011						6 Month Avg.	2011 Potable Avg.
			May	Jun	Aug	Sep	Oct	Nov		
Turbidity	avg.	NTU	0.28	0.29	0.27	0.25	0.29	0.46	0.30	0.09
pH	min.	S.U.	7.3	6.9	7.0	6.8	6.9	6.9	7.0	7.8
pH	max.	S.U.	7.7	7.3	7.3	7.2	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	660	595	625	634	593	590	616	417
Chloride	max.	mg/l	116	121	114	127	126	108	119	57
Sulfate	max.	mg/l	113	108	109	119	108	109	111	71
Fluoride	max.	mg/l	0.75	0.66	0.67	0.69	0.61	0.40	0.6	0.61
Hardness	max.	mg/l	260	260	250	240	240	271	254	247
Boron	max.	mg/l	0.40	0.41	0.35	0.29	0.36	0.36	0.36	0.16
Nitrate-N	max.	mg/l	5.9	4.8	5.4	6.8	5.2	5.3	5.6	4.9
Nitrite-N	max.	mg/l	ND	ND	ND	ND	ND	ND	<0.1	<0.2
Nitrate+Nitrite	max.	mg/l	6.0	4.8	5.4	6.8	5.2	5.3	5.6	4.9
Ammonia-N	max.	mg/l	0.5	0.7	1.0	0.2	0.9	0.5	0.6	
Phosphorus-P	max.	mg/l	3.2	1.8	4.8	5.5	1.0	1.6	3	
Phosphate (PO4)	max.	mg/l	10	5.5	15	17	3	5	9	
Alkalinity(CaCO3)	max.	mg/l	200	190	180	190	190	190	190	177
Bicarbonate(HCO3)	max.	mg/l	250	230	220	230	230	230	232	213
Conductivity	max.	umho/cm	950	910	920	1000	880	880	923	700
Aluminum	max.	µg/l	50	54	23	45	46	35	42	32
Arsenic	max.	µg/l	1.4	1.3	1.1	1.3	1.2	1.3	1.3	1.2
Cadmium	max.	µg/l	0.12	0.11	0.10	0.15	0.12	0.08	0.11	<0.50
Chromium	max.	µg/l	2.5	3.4	1.1	2.3	2.6	2.7	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	16	11	12	16	11	15	14	<2
Iron	max.	µg/l		<20	49	23	32	<20	35	<20
Lead	max.	µg/l	0.5	0.3	0.6	0.3	0.3	0.3	0.4	<0.50
Manganese	max.	µg/l	3.4	1.0	1.9	1.2	5.7	0.9	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	<5	<5	<5	<5	<5	<5	<5	<5
Antimony	max.	µg/l			0.55				0.6	<1
Selenium	max.	µg/l	1.5	0.8	2.0	1.5	1.5	1.1	1.4	<5
Silver	max.	µg/l		0.09	0.11	0.18			0.1	<0.50
Zinc	max.	µg/l	64	57	62	53	58	53	58	<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	68	58	54	60	59	61	60	65
Magnesium	max.	mg/l	23	20	19	22	19	20	21	21
Potassium	max.	mg/l	17	15	16	17	14	14	16	4
Sodium	max.	mg/l	98	88	93	120	89	87	96	43
Silica	max.	mg/l	26	22	22	24	23	23	23	
Chromium VI	max.	µg/l	0.038	0.057	0.08	0	0.055	0.064	0.05	3
Vanadium	max.	µg/l	<3	<3	<3	<3	<3	<3	<3	5.5
THMs	max.	µg/l	13	10	10	14	9	10	11	15
SAR	max.		3.7	3.6	3.9	4.8	3.6	3.5	3.9	1.7