

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

			2010						6 Month	2009
			Jan	Feb	Mar	Apr	May	June	Avg.	Potable
										Avg.
Turbidity	avg.	NTU	0.51	0.66	0.56	0.40	0.40	0.30	0.47	0.1
pH	min.	S.U.	6.7	7.2	7.2	7.2	7.2	7.2	7.1	7.8
pH	max.	S.U.	7.5	7.5	7.5	7.5	7.5	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	610	630	654	645	658	655	642	450
Chloride	max.	mg/l	126	128	137	127	131	132	130	60
Sulfate	max.	mg/l	124	213	133	115	130	126	140	86
Fluoride	max.	mg/l	0.57	0.65	0.73	0.74	0.65	0.40	0.6	0.66
Hardness	max.	mg/l	230	230	240	220	250	220	232	247
Boron	max.	mg/l	0.36	0.40	0.42	0.37	0.40	0.40	0.39	0.138
Nitrate-N	max.	mg/l	3.3	4.9	5.8	5.2	5.3	4.4	4.8	4.5
Nitrite-N	max.	mg/l	ND	ND	ND	ND	ND	ND	<0.1	<0.20
Nitrate+Nitrite	max.	mg/l	3.3	4.9	5.8	5.2	5.3	4.4	4.8	4.5
Ammonia-N	max.	mg/l	1.1	1.2	1.0	0.9	0.8	1.1	1.0	
Phosphorus	max.	mg/l	3.8		5.0	4.2			4.3	
Arsenic	max.	µg/l	1.4	1.8	2.4	2.7	1.2	1.2	1.8	1.8
Barium	max.	µg/l					50		50	79
Cadmium	max.	µg/l	0.09	0.09	0.15	1.50	0.35	0.13	0.39	<0.50
Chromium	max.	µg/l	1.4	1.0	2.9	4.1	2.3	1.7	2.2	3.8
Copper	max.	µg/l	11	11	15	18	16	12	14	<2.0
Iron	max.	µg/l	49	37	65	76	46	45	53	<20
Lead	max.	µg/l	0.9	0.5	0.8	2.1	0.4	1.0	0.9	<0.50
Manganese	max.	µg/l	4.4	3.4	8.1	18.0	7.2	3.3	7	<2.0
Mercury	max.	µg/l	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20
Nickel	max.	µg/l	2.0				1.9	2.5	2.1	<5.0
Antimony	max.	µg/l		0.35			0.94		0.6	<1.0
Selenium	max.	µg/l	1.0	0.8	1.9	3.9	1.9	1.8	1.9	<5.0
Silver	max.	µg/l		0.27			1.5	0.27	0.7	<0.50
Zinc	max.	µg/l	43	32	72	75	71	70	61	<20
Cyanide	max.	µg/l	<5	<5	<5	<5	<5	<5	<5	<5
Beryllium	max.	µg/l		<1.0					<1.0	<1.0
Thallium	max.	µg/l		<1.0					<1.0	<1.0
Calcium	max.	mg/l	59	71	63	62	61	60	63	66
Magnesium	max.	mg/l	18	19	20	20	19	19	19	20
Potassium	max.	mg/l	14	15	18	16	16	16	16	4
Sodium	max.	mg/l	110	110	120	120	120	120	117	53
Chromium VI	max.	µg/l	0	0.068	0.15	0.099	0.058	0.053	0.07	3.5
THMs	max.	µg/l	28	37	21	25	23	24	26	16
SAR	max.		4.5	4.2	4.8	4.8	4.9	4.9	4.7	2.1