

**BURBANK WATER AND POWER
2016/17 RECYCLED WATER SAMPLING RESULTS**

			2016		2017				6 Month Avg.	2017 Potable
			Nov	Dec	Jan	Feb	Mar	Apr		
Turbidity	avg.	NTU	0.32	0.37	0.67	0.56	0.66	0.45	0.50	0.064
pH	min.	S.U.	6.9	7.1	7.4	7.3	7.0	7.0	7.1	8.2
pH	max.	S.U.	7.8	7.7	7.6	7.6	7.5	7.5	7.6	8.3
TSS	avg.	mg/l	0.1	0.6	0.8	0.7	0.4	0.4	<1	
BOD	avg.	mg/l	<3	<3	<3	<3	<3	<3	<3	
TDS	max.	mg/l	750	670	710	660	580	600	662	460
Chloride	max.	mg/l	140	120	130	120	130	130	128	64
Sulfate	max.	mg/l	160	130	130	110	120	120	128	83
Fluoride	max.	mg/l	0.69	0.63	0.67	0.58	0.58	0.66	0.64	0.53
Hardness	max.	mg/l	261	273	271	298	263	240	268	253
Boron	max.	mg/l	0.36	0.37	0.37	0.39	0.32	0.40	0.37	0.12
Nitrate-N	max.	mg/l	7.1	4.8	6.7	5.9	7.1	7.5	6.5	4.8
Nitrite-N	max.	mg/l	0.1	0.5	0.2	0.1	0.2	0.0	<0.1	<0.2
Nitrate+Nitrite	max.	mg/l	7.2	5.3	6.9	6.0	7.3	7.5	6.7	4.8
Ammonia-N	max.	mg/l	1.0	1.2	0.9	1.0	0.8	0.5	0.9	
Phosphorus-P	max.	mg/l	5.3	4.2	5.5	5.5	2.5	5.2	4.7	
Phosphate (PO4)	max.	mg/l	16	13	17	17	8	16	14.5	1.2
Alkalinity(CaCO3)	max.	mg/l	210	220	230	230	230	210	222	190
Bicarbonate(HCO3)	max.	mg/l	260	260	280	280	280	250	268	230
Conductivity	max.	umho/cm	1100	1100	1100	1100	1100	1000	1083	745
Aluminum	max.	µg/l	ND	ND	9	9	7	9	ND	26
Arsenic	max.	µg/l	1.8	1.7	1.1	1.1	1.5	1.2	1.4	1.2
Cadmium	max.	µg/l	0.1	0.1	0.1	0.2	0.1	0.1	0.13	<0.50
Chromium	max.	µg/l				0.9			0.9	2.5
Cobalt	max.	µg/l	<0.2	<0.2	0.38	0.38	0.29	0.28	<0.2	<2
Copper	max.	µg/l	12	9	7	14	15	12	11	<2
Iron	max.	µg/l	38	39	42	42	41	45	41	<20
Lead	max.	µg/l	0.5	0.4	0.3	1.3	0.9	0.6	0.7	<0.50
Manganese	max.	µg/l				2.9			3	<2
Mercury	max.	µg/l				0.0013			<0.2	<0.20
Nickel	max.	µg/l	<5	<5	2.6	2.6	2.6	2.1	<5	<5
Selenium	max.	µg/l				1.7			2	<5
Zinc	max.	µg/l	69	52	58	100	92	52	71	<20
Beryllium	max.	µg/l	<1	<1	<1	<1	<1	<1	<1	<1
Calcium	max.	mg/l	69	65	63	63	63	58	63	66
Magnesium	max.	mg/l	23	22	22	22	21	21	22	20
Potassium	max.	mg/l	19	17	19	19	16	19	18	4.4
Sodium	max.	mg/l	110	96	98	98	66	100	95	51
Silica	max.	mg/l	24	22	22	22	22	22	22	
Chromium VI	max.	µg/l				0.082			0.08	2.9
Vanadium	max.	µg/l	ND	3	1.5	1.5	2.5	2	<3	3.1
THMs	max.	µg/l	33	33	14	22	13	16	22	9.2
SAR	max.		4.1	3.7	3.8	3.8	2.6	4.0	3.7	2.0