

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

			2016				2017		6 Month Avg.	2016 Potable
			Sep	Oct	Nov	Dec	Jan	Feb		
Turbidity	avg.	NTU	0.32	0.33	0.32	0.37	0.67	0.56	0.43	0.064
pH	min.	S.U.	6.8	7.1	6.9	7.1	7.4	7.3	7.1	8.2
pH	max.	S.U.	7.8	7.6	7.8	7.7	7.6	7.6	7.7	8.3
TSS	avg.	mg/l	2	1.1	0.1	0.6	0.8	0.7	<1	
BOD	avg.	mg/l	<3	3	<3	<3	<3	<3	<3	
TDS	max.	mg/l	660	670	750	670	710	660	687	495
Chloride	max.	mg/l	110	140	140	120	130	120	127	61
Sulfate	max.	mg/l	110	140	160	130	130	110	130	93
Fluoride	max.	mg/l	0.58	0.70	0.69	0.63	0.67	0.58	0.64	0.54
Hardness	max.	mg/l	266	264	261	273	271	298	272	275
Boron	max.	mg/l	0.92	0.34	0.36	0.37	0.37	0.39	0.46	0.12
Nitrate-N	max.	mg/l	5.2	7.7	7.1	4.8	6.7	5.9	6.2	6.4
Nitrite-N	max.	mg/l	0.2	0.5	0.1	0.5	0.2	0.1	<0.1	<0.2
Nitrate+Nitrite	max.	mg/l	5.4	8.2	7.2	5.3	6.9	6.0	6.5	6.4
Ammonia-N	max.	mg/l	0.9	1.1	1.0	1.2	0.9	1.0	1.0	
Phosphorus-P	max.	mg/l	3.0	0.3	5.3	4.2	5.5	5.5	4.0	
Phosphate (PO4)	max.	mg/l	9	1	16	13	17	17	12.2	1.2
Alkalinity(CaCO3)	max.	mg/l	210	210	210	220	230	230	218	185
Bicarbonate(HCO3)	max.	mg/l	260	250	260	260	280	280	265	225
Conductivity	max.	umho/cm	1000	1100	1100	1100	1100	1100	1083	765
Aluminum	max.	µg/l	ND	ND	ND	ND	9	9	ND	32
Arsenic	max.	µg/l	1.7	1.6	1.8	1.7	1.1	1.1	1.5	<1
Cadmium	max.	µg/l	0.1	0.1	0.1	0.1	0.1	0.2	0.12	<0.50
Chromium	max.	µg/l						0.9	0.9	4
Cobalt	max.	µg/l	<0.2	<0.2	<0.2	<0.2	0.38	0.38	<0.2	<2
Copper	max.	µg/l	9	8	12	9	7	14	10	<2
Iron	max.	µg/l	100	38	38	39	42	42	50	<20
Lead	max.	µg/l	3.3	0.6	0.5	0.4	0.3	1.3	1.0	<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	<5	<5	2.6	2.6	<5	<5
Selenium	max.	µg/l						1.7	2	<5
Zinc	max.	µg/l	43	69	69	52	58	100	65	<20
Beryllium	max.	µg/l	<1	<1	<1	<1	<1	<1	<1	<1
Calcium	max.	mg/l	71	71	69	65	63	63	67	74
Magnesium	max.	mg/l	22	22	23	22	22	22	22	22
Potassium	max.	mg/l	17	17	19	17	19	19	18	4.3
Sodium	max.	mg/l	100	110	110	96	98	98	102	54
Silica	max.	mg/l	24	24	24	22	22	22	23	
Chromium VI	max.	µg/l						0.082	0.08	4
Vanadium	max.	µg/l	ND	3	ND	3	1.5	1.5	<3	3.1
THMs	max.	µg/l	16	13	33	33	14	22	22	12
SAR	max.		3.8	4.1	4.1	3.7	3.8	3.8	3.9	2.0