

**BURBANK WATER AND POWER  
2017/2018 RECYCLED WATER SAMPLING RESULTS**

			2017					2018	6 Month Avg.	2017 Potable
			Aug	Sep	Oct	Nov	Dec	Jan		
Turbidity	avg.	NTU	0.18	0.19	0.31	0.18	0.27	0.26	0.23	0.064
pH	min.	S.U.	7.0	7.2	7.4	7.4	7.2	7.4	7.3	8.2
pH	max.	S.U.	7.6	7.7	7.6	7.6	7.6	7.6	7.6	8.3
TSS	avg.	mg/l	1.3	0.7	0.7	0.7	0.2	1.0	<1	
BOD	avg.	mg/l	<3	4	<3	<3	<3	<3	<3	
TDS	max.	mg/l	570	560	590	660	600	600	597	460
Chloride	max.	mg/l	130	120	130	120	110	110	120	64
Sulfate	max.	mg/l	130	110	120	110	120	110	117	83
Fluoride	max.	mg/l	0.74	0.64	0.72	0.70	0.71	0.67	0.70	0.53
Hardness	max.	mg/l	242	247	231	255	247	234	243	253
Boron	max.	mg/l	0.36	0.36	0.36	0.36	0.38	0.34	0.36	0.12
Nitrate-N	max.	mg/l	5.2	5.7	6.7	6.0	4.8	4.8	5.5	4.8
Nitrite-N	max.	mg/l	0.1	0.22	0.51	0.17	0.50	0.02	<0.1	<0.2
Nitrate+Nitrite	max.	mg/l	5.3	5.9	7.2	7.6	5.3	4.8	6.0	4.8
Ammonia-N	max.	mg/l	1.7	1.4	2.1	1.8	2.1	1.2	1.7	
Phosphorus-P	max.	mg/l	1.8	0.3	1.7	2.9	1.4	0.4	1.4	
Phosphate (PO4)	max.	mg/l	5	0.8	5.2	8.8	4.3	1.1	4.3	1.2
Alkalinity(CaCO3)	max.	mg/l	220	210	220	220	220	230	220	190
Bicarbonate(HCO3)	max.	mg/l	270	250	270	270	270	280	268	230
Conductivity	max.	umho/cm	960	1000	1000	1000	1000	990	992	745
Aluminum	max.	µg/l	8	11.0	6.5	7	9	9	ND	26
Arsenic	max.	µg/l	0.8	0.8	0.9	1.0	0.9	0.6	0.8	1.2
Cadmium	max.	µg/l	0.1	0.11	0.17	0.11	<0.50	0.09	0.12	<0.50
Chromium	max.	µg/l		3		1.4			2.3	2.5
Cobalt	max.	µg/l	0.23	0.23	0.30	0.20	0.25	0.21	<0.2	<2
Copper	max.	µg/l	10	9	11	9.7	8.4	7.8	9	<2
Iron	max.	µg/l	20	47	52	51	54	30	42	<20
Lead	max.	µg/l	0.7	0.73	0.63	0.61	0.38	0.11	0.5	<0.50
Mercury	max.	µg/l		0		0.0010			<0.2	<0.20
Nickel	max.	µg/l	1.6	2.4	1.6	1.5	1.8	1.6	<5	<5
Selenium	max.	µg/l	1.4	0.7	1.5	0.2	1.5	1.9	1	<5
Zinc	max.	µg/l	65	57	80	72	63	63	67	<20
Beryllium	max.	µg/l	<1	<1	<1	<1	<1	<1	<1	<1
Calcium	max.	mg/l	65	62	66	68	66	65	65	66
Magnesium	max.	mg/l	20	19	20	20	20	19	20	20
Potassium	max.	mg/l	19	17	17	18	18	18	18	4.4
Sodium	max.	mg/l	99	93	96	88	88	84	91	51
Silica	max.	mg/l	21	22	22	23	23	23	22	
Chromium VI	max.	µg/l		0		0.52			0.35	2.9
Vanadium	max.	µg/l	1.7	1.3	1.4	1.3	1.4	1.5	<3	3.1
THMs	max.	µg/l	ND	3	12	6.3	18.8	12.0	10	9.2
SAR	max.		3.9	3.7	3.8	3.4	3.4	3.3	3.6	2.0