

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

			2017				2018		6 Month Avg.	2017 Potable
			Sep	Oct	Nov	Dec	Jan	Feb		
Turbidity	avg.	NTU	0.19	0.31	0.18	0.27	0.26	0.27	0.25	0.064
pH	min.	S.U.	7.2	7.4	7.4	7.2	7.4	7.4	7.3	8.2
pH	max.	S.U.	7.7	7.6	7.6	7.6	7.6	7.8	7.7	8.3
TSS	avg.	mg/l	0.7	0.7	0.7	0.2	1.0	0.9	<1	
BOD	avg.	mg/l	3.7	<3	<3	<3	<3	<3	<3	
TDS	max.	mg/l	560	590	660	600	600	600	602	460
Chloride	max.	mg/l	120	130	120	110	110	110	117	64
Sulfate	max.	mg/l	110	120	110	120	110	120	115	83
Fluoride	max.	mg/l	0.64	0.72	0.70	0.71	0.67	0.62	0.68	0.53
Hardness	max.	mg/l	247	231	255	247	234	264	246	253
Boron	max.	mg/l	0.36	0.36	0.36	0.38	0.34	0.33	0.36	0.12
Nitrate-N	max.	mg/l	5.7	6.7	6.0	4.8	4.8	4.5	5.4	4.8
Nitrite-N	max.	mg/l	0.2	0.51	0.17	0.50	0.02	0.00	<0.1	<0.2
Nitrate+Nitrite	max.	mg/l	5.9	7.2	7.6	5.3	4.8	4.5	5.9	4.8
Ammonia-N	max.	mg/l	1.4	2.1	1.8	2.1	1.2	0.9	1.6	
Phosphorus-P	max.	mg/l	0.3	1.7	2.9	1.4	0.4	3.9	1.8	
Phosphate (PO4)	max.	mg/l	1	5.2	8.8	4.3	1.1	12	5.4	1.2
Alkalinity(CaCO3)	max.	mg/l	210	220	220	220	230	220	220	190
Bicarbonate(HCO3)	max.	mg/l	250	270	270	270	280	270	268	230
Conductivity	max.	umho/cm	1000	1000	1000	1000	990	980	995	745
Aluminum	max.	µg/l	11	6.5	6.6	8.8	9.0	7.2	ND	26
Arsenic	max.	µg/l	0.84	0.9	1.0	0.9	0.6	0.7	0.8	1.2
Cadmium	max.	µg/l	0.1	0.17	0.11	<0.50	0.09	0.08	0.11	<0.50
Chromium	max.	µg/l	3.2		1			5.3	3.3	2.5
Cobalt	max.	µg/l	0.23	0.30	0.20	0.25	0.21	0.24	<0.2	<2
Copper	max.	µg/l	9	11	10	8.4	7.8	10.0	9	<2
Iron	max.	µg/l	47	52	51	54	30	26	43	<20
Lead	max.	µg/l	0.7	0.63	0.61	0.38	0.11	0.45	0.5	<0.50
Mercury	max.	µg/l	0.0004		0			0.0007	<0.2	<0.20
Nickel	max.	µg/l	2.4	1.6	1.5	1.8	1.6	1.5	<5	<5
Selenium	max.	µg/l	0.7	1.5	0.2	1.5	1.9	1.3	1	<5
Zinc	max.	µg/l	57	80	72	63	63	49	64	<20
Beryllium	max.	µg/l	<1	<1	<1	<1	<1	<1	<1	<1
Calcium	max.	mg/l	62	66	68	66	65	75	67	66
Magnesium	max.	mg/l	19	20	20	20	19	23	20	20
Potassium	max.	mg/l	17	17	18	18	18	20	18	4.4
Sodium	max.	mg/l	93	96	88	88	84	92	90	51
Silica	max.	mg/l	22	22	23	23	23	25	23	
Chromium VI	max.	µg/l	0.17		1			0.21	0.30	2.9
Vanadium	max.	µg/l	1.3	1.4	1.3	1.4	1.5	1.0	<3	3.1
THMs	max.	µg/l	3	12	6	19	12	7.5	10	9.2
SAR	max.		3.7	3.8	3.4	3.4	3.3	3.4	3.5	2.0