

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

			2017			2018			6 Month Avg.	2017 Potable
			Oct	Nov	Dec	Jan	Feb	Mar		
Turbidity	avg.	NTU	0.31	0.18	0.27	0.26	0.27	0.32	0.27	0.064
pH	min.	S.U.	7.4	7.4	7.2	7.4	7.4	7.1	7.3	8.2
pH	max.	S.U.	7.6	7.6	7.6	7.6	7.8	7.8	7.7	8.3
TSS	avg.	mg/l	0.7	0.7	0.2	1.0	0.9	1.1	<1	
BOD	avg.	mg/l	<3	<3	<3	<3	<3	<3	<3	
TDS	max.	mg/l	590	660	600	600	600	570	603	460
Chloride	max.	mg/l	130	120	110	110	110	140	120	64
Sulfate	max.	mg/l	120	110	120	110	120	120	117	83
Fluoride	max.	mg/l	0.72	0.70	0.71	0.67	0.62	0.82	0.71	0.53
Hardness	max.	mg/l	231	255	247	234	264	229	243	253
Boron	max.	mg/l	0.36	0.36	0.38	0.34	0.33	0.34	0.35	0.12
Nitrate-N	max.	mg/l	6.7	6.0	4.8	4.8	4.5	4.7	5.3	4.8
Nitrite-N	max.	mg/l	0.5	0.17	0.50	0.02	0.00	0.22	<0.1	<0.2
Nitrate+Nitrite	max.	mg/l	7.2	7.6	5.3	4.8	4.5	4.9	5.7	4.8
Ammonia-N	max.	mg/l	2.1	1.8	2.1	1.2	0.9	1.0	1.5	
Phosphorus-P	max.	mg/l	1.7	2.9	1.4	0.4	3.9	3.6	2.3	
Phosphate (PO4)	max.	mg/l	5	8.8	4.3	1.1	12	11	7.1	1.2
Alkalinity(CaCO3)	max.	mg/l	220	220	220	230	220	200	218	190
Bicarbonate(HCO3)	max.	mg/l	270	270	270	280	270	250	268	230
Conductivity	max.	umho/cm	1000	1000	1000	990	980	910	980	745
Aluminum	max.	µg/l	7	6.6	8.8	9.0	7.2	6.2	ND	26
Arsenic	max.	µg/l	0.87	1.0	0.9	0.6	0.7	0.7	0.8	1.2
Cadmium	max.	µg/l	0.2	0.11	<0.50	0.09	0.08	0.12	0.11	<0.50
Chromium	max.	µg/l		1			5.3		3.4	2.5
Cobalt	max.	µg/l	0.30	0.20	0.25	0.21	0.24	0.30	<0.2	<2
Copper	max.	µg/l	11	10	8	7.8	10.0	7.7	9	<2
Iron	max.	µg/l	52	51	54	30	26	32	41	<20
Lead	max.	µg/l	0.6	0.61	0.38	0.11	0.45	0.67	0.5	<0.50
Mercury	max.	µg/l		0			0.0007		<0.2	<0.20
Nickel	max.	µg/l	1.6	1.5	1.8	1.6	1.5	2.3	<5	<5
Selenium	max.	µg/l	1.5	0.2	1.5	1.9	1.3	1.7	1	<5
Zinc	max.	µg/l	80	72	63	63	49	73	67	<20
Beryllium	max.	µg/l	<1	<1	<1	<1	<1	<1	<1	<1
Calcium	max.	mg/l	66	68	66	65	75	66	68	66
Magnesium	max.	mg/l	20	20	20	19	23	22	21	20
Potassium	max.	mg/l	17	18	18	18	20	20	19	4.4
Sodium	max.	mg/l	96	88	88	84	92	100	91	51
Silica	max.	mg/l	22	23	23	23	25	22	23	
Chromium VI	max.	µg/l		1			0.21		0.37	2.9
Vanadium	max.	µg/l	1.4	1.3	1.4	1.5	1.0	1.1	<3	3.1
THMs	max.	µg/l	12	6	19	12	7.5	2.1	10	9.2
SAR	max.		3.8	3.4	3.4	3.3	3.4	3.8	3.5	2.0