

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

			2017	2018					6 Month Avg.	2018 Potable
			Dec	Jan	Feb	Mar	Apr	May		
Turbidity	avg.	NTU	0.27	0.26	0.27	0.32	0.70	0.43	0.37	0.064
pH	min.	S.U.	7.2	7.4	7.4	7.1	6.6	6.6	7.1	8.1
pH	max.	S.U.	7.6	7.6	7.8	7.8	7.6	7.7	7.7	8.1
TSS	avg.	mg/l	0.2	1.0	0.9	1.1	1.1	1.1	<1	
BOD	avg.	mg/l	<3	<3	<3	<3	3.7	<3	<3	
TDS	max.	mg/l	600	600	600	570	620	620	602	400
Chloride	max.	mg/l	110	110	110	140	110	100	113	48
Sulfate	max.	mg/l	120	110	120	120	110	130	118	73
Fluoride	max.	mg/l	0.71	0.67	0.62	0.82	0.69	0.61	0.69	0.5
Hardness	max.	mg/l	247	234	264	229	276	236	248	268
Boron	max.	mg/l	0.38	0.34	0.33	0.34	0.34	0.30	0.34	
Nitrate-N	max.	mg/l	4.8	4.8	4.5	4.7	4.9	5.0	4.8	5.1
Nitrite-N	max.	mg/l	0.5	0.02	0.00	0.22	0.25	0.22	<0.1	<0.2
Nitrate+Nitrite	max.	mg/l	5.3	4.8	4.5	4.9	5.2	5.2	5.0	5.1
Ammonia-N	max.	mg/l	2.1	1.2	0.9	1.0	1.7	1.5	1.4	
Phosphorus-P	max.	mg/l	1.4	0.4	3.9	3.6	1.0	1.6	2.0	
Phosphate (PO4)	max.	mg/l	4	1.1	12.0	11.0	3	5	6.1	1.2
Alkalinity(CaCO3)	max.	mg/l	220	230	220	200	220	200	215	190
Bicarbonate(HCO3)	max.	mg/l	270	280	270	250	270	240	263	233
Conductivity	max.	umho/cm	1000	990	980	910	990	930	967	690
Aluminum	max.	µg/l	9	9.0	7.2	6.2	8.7	9.2	ND	15
Arsenic	max.	µg/l	0.93	0.6	0.7	0.7	0.5	0.8	0.7	0.62
Cadmium	max.	µg/l	<0.50	0.09	0.08	0.12	0.09	0.13	0.10	<0.50
Chromium	max.	µg/l			5			0.98	3.1	3
Cobalt	max.	µg/l	0.25	0.21	0.24	0.30	0.27	0.25	<0.2	<2
Copper	max.	µg/l	8	8	10	7.7	6.7	11	9	<2
Iron	max.	µg/l	54	30	26	32	25	33	33	<20
Lead	max.	µg/l	0.4	0.11	0.45	0.67	0.48	0.46	0.4	<0.50
Mercury	max.	µg/l			0.0007			0.0004	<0.2	<0.20
Nickel	max.	µg/l	1.8	1.6	1.5	2.3	1.7	1.6	<5	<5
Selenium	max.	µg/l	1.5	1.9	1.3	1.7	1.1	1.5	2	0.49
Zinc	max.	µg/l	63	63	49	73	55	77	63	<5
Beryllium	max.	µg/l	<1	<1	<1	<1	<1	<1	<1	<1
Calcium	max.	mg/l	66	65	75	66	72	60	67	73
Magnesium	max.	mg/l	20	19	23	22	22	18	21	21
Potassium	max.	mg/l	18	18	20	20	20	18	19	4.7
Sodium	max.	mg/l	88	84	92	100	98	87	92	40
Silica	max.	mg/l	23	23	25	22	23	22	23	
Chromium VI	max.	µg/l			0.21			0.08	0.14	2.9
Vanadium	max.	µg/l	1.4	1.5	1.0	1.1	1.6	2.4	<3	3.1
THMs	max.	µg/l	19	12	8	2.1	7.7	7.4	9	15
SAR	max.		3.4	3.3	3.4	3.8	3.7	3.6	3.5	1.5