

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

			2017		2018				6 Month Avg.	2018 Potable
			Nov	Dec	Jan	Feb	Mar	Apr		
Turbidity	avg.	NTU	0.18	0.27	0.26	0.27	0.32	0.35	0.27	0.064
pH	min.	S.U.	7.4	7.2	7.4	7.4	7.1	6.6	7.2	8.1
pH	max.	S.U.	7.6	7.6	7.6	7.8	7.8	7.6	7.7	8.1
TSS	avg.	mg/l	0.7	0.2	1.0	0.9	1.1	1.1	<1	
BOD	avg.	mg/l	<3	<3	<3	<3	<3	3.7	<3	
TDS	max.	mg/l	660	600	600	600	570	620	608	400
Chloride	max.	mg/l	120	110	110	110	140	110	117	48
Sulfate	max.	mg/l	110	120	110	120	120	110	115	73
Fluoride	max.	mg/l	0.70	0.71	0.67	0.62	0.82	0.69	0.70	0.5
Hardness	max.	mg/l	255	247	234	264	229	276	251	268
Boron	max.	mg/l	0.36	0.38	0.34	0.33	0.34	0.34	0.35	
Nitrate-N	max.	mg/l	6.0	4.8	4.8	4.5	4.7	4.9	5.0	5.1
Nitrite-N	max.	mg/l	0.2	0.50	0.02	0.00	0.22	0.25	<0.1	<0.2
Nitrate+Nitrite	max.	mg/l	7.6	5.3	4.8	4.5	4.9	5.2	5.4	5.1
Ammonia-N	max.	mg/l	1.8	2.1	1.2	0.9	1.0	1.7	1.5	
Phosphorus-P	max.	mg/l	2.9	1.4	0.4	3.9	3.6	1.0	2.2	
Phosphate (PO4)	max.	mg/l	9	4.3	1.1	12.0	11	3	6.7	1.2
Alkalinity(CaCO3)	max.	mg/l	220	220	230	220	200	220	218	190
Bicarbonate(HCO3)	max.	mg/l	270	270	280	270	250	270	268	233
Conductivity	max.	umho/cm	1000	1000	990	980	910	990	978	690
Aluminum	max.	µg/l	7	8.8	9.0	7.2	6.2	8.7	ND	15
Arsenic	max.	µg/l	0.99	0.9	0.6	0.7	0.7	0.5	0.7	0.62
Cadmium	max.	µg/l	0.1	<0.50	0.09	0.08	0.12	0.09	0.10	<0.50
Chromium	max.	µg/l	1.4			5.3			3.4	3
Cobalt	max.	µg/l	0.20	0.25	0.21	0.24	0.30	0.27	<0.2	<2
Copper	max.	µg/l	10	8	8	10.0	7.7	6.7	8	<2
Iron	max.	µg/l	51	54	30	26	32	25	36	<20
Lead	max.	µg/l	0.6	0.38	0.11	0.45	0.67	0.48	0.5	<0.50
Mercury	max.	µg/l	0.00098			0.0007			<0.2	<0.20
Nickel	max.	µg/l	1.5	1.8	1.6	1.5	2.3	1.7	<5	<5
Selenium	max.	µg/l	0.2	1.5	1.9	1.3	1.7	1.1	1	0.49
Zinc	max.	µg/l	72	63	63	49	73	55	63	<5
Beryllium	max.	µg/l	<1	<1	<1	<1	<1	<1	<1	<1
Calcium	max.	mg/l	68	66	65	75	66	72	69	73
Magnesium	max.	mg/l	20	20	19	23	22	22	21	21
Potassium	max.	mg/l	18	18	18	20	20	20	19	4.7
Sodium	max.	mg/l	88	88	84	92	100	98	92	40
Silica	max.	mg/l	23	23	23	25	22	23	23	
Chromium VI	max.	µg/l	0.52			0.21			0.37	2.9
Vanadium	max.	µg/l	1.3	1.4	1.5	1.0	1.1	1.6	<3	3.1
THMs	max.	µg/l	6	19	12	7.5	2.1	7.7	9	15
SAR	max.		3.4	3.4	3.3	3.4	3.8	3.7	3.5	1.5