

**BURBANK WATER AND POWER
2016/17 RECYCLED WATER SAMPLING RESULTS**

			2017						6 Month Avg.	2017 Potable
			Apr	May	Jun	Jul	Aug	Sep		
Turbidity	avg.	NTU	0.45	0.50	0.22	0.18	0.19	0.21	0.29	0.064
pH	min.	S.U.	7.0	7.3	7.0	7.0	7.2	7.3	7.1	8.2
pH	max.	S.U.	7.5	7.8	7.9	7.6	7.7	7.6	7.7	8.3
TSS	avg.	mg/l	0.4	0.8	0.9	1.3	0.7	1.7	<1	
BOD	avg.	mg/l	<3	<3	<3	<3	3.7	5.4	<3	
TDS	max.	mg/l	600	690	630	570	560	620	612	460
Chloride	max.	mg/l	130	130	120	130	120	130	127	64
Sulfate	max.	mg/l	120	130	130	130	110	130	125	83
Fluoride	max.	mg/l	0.66	0.61	0.60	0.74	0.64	0.72	0.66	0.53
Hardness	max.	mg/l	240	316	276	242	247	223	257	253
Boron	max.	mg/l	0.40	0.42	0.80	0.36	0.36	0.37	0.45	0.12
Nitrate-N	max.	mg/l	7.5	6.4	6.9	5.2	5.7	6.1	6.3	4.8
Nitrite-N	max.	mg/l	0.00	0.00	0.00	0.12	0.22	0.13	<0.1	<0.2
Nitrate+Nitrite	max.	mg/l	7.5	6.4	6.9	5.3	5.9	6.2	6.4	4.8
Ammonia-N	max.	mg/l	0.5	1.6	0.9	1.7	1.4	1.9	1.3	
Phosphorus-P	max.	mg/l	5.2	2.7	2.1	1.8	0.3	0.8	2.1	
Phosphate (PO4)	max.	mg/l	16	8	6.4	5.4	0.8	2.6	6.6	1.2
Alkalinity(CaCO3)	max.	mg/l	210	210	220	220	210	190	210	190
Bicarbonate(HCO3)	max.	mg/l	250	260	270	270	250	230	255	230
Conductivity	max.	umho/cm	1000	1000	1000	960	1000	1000	993	745
Aluminum	max.	µg/l	9	8.3	8.2	8.0	11	12	ND	26
Arsenic	max.	µg/l	1.2	1.2	1.1	0.8	0.8	1.0	1.0	1.2
Cadmium	max.	µg/l	0.12	0.13	0.15	0.11	0.11	0.09	0.12	<0.50
Chromium	max.	µg/l					3.2		3.2	2.5
Cobalt	max.	µg/l	0.28	0.19	0.24	0.23	0.23	0.20	<0.2	<2
Copper	max.	µg/l	12	11	22	10	8.7	9.2	12	<2
Iron	max.	µg/l	45	21	31	20	47	45	35	<20
Lead	max.	µg/l	0.59	0.38	3.30	0.70	0.73	0.75	1.1	<0.50
Mercury	max.	µg/l					0.0004		<0.2	<0.20
Nickel	max.	µg/l	2.1	1.5	1.7	1.6	2.4	1.6	<5	<5
Selenium	max.	µg/l		1.5	1.8	1.4	0.7	1.2	1	<5
Zinc	max.	µg/l	52	61	74	65	57	55	61	<20
Beryllium	max.	µg/l	<1	<1	<1	<1	<1	<1	<1	<1
Calcium	max.	mg/l	58	62	71	65	62	59	63	66
Magnesium	max.	mg/l	21	21	22	20	19	20	21	20
Potassium	max.	mg/l	19	20	20	19	17	17	19	4.4
Sodium	max.	mg/l	100	110	100	99	93	100	100	51
Silica	max.	mg/l	22	22	24	21	22	23	22	
Chromium VI	max.	µg/l					0.17		0.17	2.9
Vanadium	max.	µg/l	2	1.9	1.9	1.7	1.3	1.6	<3	3.1
THMs	max.	µg/l	16	9	18	ND	2.7	6.2	10	9.2
SAR	max.		4.0	4.4	3.8	3.9	3.7	4.1	4.0	2.0