

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

			2017						6 Month Avg.	2017 Potable
			May	Jun	Jul	Aug	Sep	Oct		
Turbidity	avg.	NTU	0.50	0.22	0.22	0.18	0.19	0.31	0.27	0.064
pH	min.	S.U.	7.3	7.0	7.0	7.0	7.2	7.4	7.2	8.2
pH	max.	S.U.	7.8	7.9	7.9	7.6	7.7	7.6	7.8	8.3
TSS	avg.	mg/l	0.8	0.9	0.9	1.3	0.7	0.7	<1	
BOD	avg.	mg/l	<3	<3	<3	<3	3.7	<3	<3	
TDS	max.	mg/l	690	630	630	570	560	590	612	460
Chloride	max.	mg/l	130	120	120	130	120	130	125	64
Sulfate	max.	mg/l	130	130	130	130	110	120	125	83
Fluoride	max.	mg/l	0.61	0.60	0.60	0.74	0.64	0.72	0.65	0.53
Hardness	max.	mg/l	316	276	276	242	247	231	265	253
Boron	max.	mg/l	0.42	0.80	0.80	0.36	0.36	0.36	0.52	0.12
Nitrate-N	max.	mg/l	6.4	6.9	6.9	5.2	5.7	6.7	6.3	4.8
Nitrite-N	max.	mg/l	0.0	0.0	0.00	0.12	0.22	0.51	<0.1	<0.2
Nitrate+Nitrite	max.	mg/l	6.4	6.9	6.9	5.3	5.9	7.2	6.4	4.8
Ammonia-N	max.	mg/l	1.6	0.9	0.9	1.7	1.4	2.1	1.4	
Phosphorus-P	max.	mg/l	2.7	2.1	2.1	1.8	0.3	1.7	1.8	
Phosphate (PO4)	max.	mg/l	8	6	6.4	5.4	0.8	5.2	5.4	1.2
Alkalinity(CaCO3)	max.	mg/l	210	220	220	220	210	220	217	190
Bicarbonate(HCO3)	max.	mg/l	260	270	270	270	250	270	265	230
Conductivity	max.	umho/cm	1000	1000	1000	960	1000	1000	993	745
Aluminum	max.	µg/l	8	8	8.2	8.0	11	6.5	ND	26
Arsenic	max.	µg/l	1.2	1.1	1.1	0.8	0.8	0.9	1.0	1.2
Cadmium	max.	µg/l	0.1	0.2	0.15	0.11	0.11	0.17	0.14	<0.50
Chromium	max.	µg/l					3.2		3.2	2.5
Cobalt	max.	µg/l	0.19	0.24	0.24	0.23	0.23	0.30	<0.2	<2
Copper	max.	µg/l	11	22	22	10	8.7	11	14	<2
Iron	max.	µg/l	21	31	31	20	47	52	34	<20
Lead	max.	µg/l	0.4	3.3	3.30	0.70	0.73	0.63	1.5	<0.50
Mercury	max.	µg/l					0.0004		<0.2	<0.20
Nickel	max.	µg/l	1.5	1.7	1.7	1.6	2.4	1.6	<5	<5
Selenium	max.	µg/l	1.5	1.8	1.8	1.4	0.7	1.5	1	<5
Zinc	max.	µg/l	61	74	74	65	57	80	69	<20
Beryllium	max.	µg/l	<1	<1	<1	<1	<1	<1	<1	<1
Calcium	max.	mg/l	62	71	71	65	62	66	66	66
Magnesium	max.	mg/l	21	22	22	20	19	20	21	20
Potassium	max.	mg/l	20	20	20	19	17	17	19	4.4
Sodium	max.	mg/l	110	100	100	99	93	96	100	51
Silica	max.	mg/l	22	24	24	21	22	22	23	
Chromium VI	max.	µg/l					0.17		0.17	2.9
Vanadium	max.	µg/l	1.9	1.9	1.9	1.7	1.3	1.4	<3	3.1
THMs	max.	µg/l	9	18	18	ND	2.7	11.7	12	9.2
SAR	max.		4.4	3.8	3.8	3.9	3.7	3.8	3.9	2.0