

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

			2016						6 Month Avg.	2016 Potable
			Apr	May	Jun	Jul	Aug	Sep		
Turbidity	avg.	NTU	0.25	0.22	0.22	0.58	0.48	0.32	0.35	0.064
pH	min.	S.U.	6.9	6.8	6.8	7.0	6.6	6.8	6.8	8.2
pH	max.	S.U.	7.5	7.7	7.7	7.6	7.6	7.8	7.7	8.3
TSS	avg.	mg/l	<1	1	1	1	1	2	<1	
BOD	avg.	mg/l	<3	<3	<3	<3	<3	<3	<3	
TDS	max.	mg/l	795	710	730	860	690	660	741	495
Chloride	max.	mg/l	150	140	130	130	130	110	132	61
Sulfate	max.	mg/l	197	150	140	140	140	110	146	93
Fluoride	max.	mg/l	0.71	0.71	0.69	0.66	0.67	0.58	0.67	0.54
Hardness	max.	mg/l	254	278	269	251	257	266	263	275
Boron	max.	mg/l	0.36	0.52	0.36	0.42	0.52	0.92	0.52	0.12
Nitrate-N	max.	mg/l	6.8	7.2	8.2	9.5	7.5	5.2	7.4	6.4
Nitrite-N	max.	mg/l	0.7	0.5	0.3	0.3	0.4	0.2	<0.1	<0.2
Nitrate+Nitrite	max.	mg/l	7.5	7.7	8.6	9.8	7.9	5.4	7.8	6.4
Ammonia-N	max.	mg/l	0.9	0.9	0.8	0.8	1.0	0.9	0.9	
Phosphorus-P	max.	mg/l	1.8	4.7	2.6	2.9	0.7	3.0	2.6	
Phosphate (PO4)	max.	mg/l	6	14	8	9	2	9	8.0	1.2
Alkalinity(CaCO3)	max.	mg/l	180	210	220	200	210	210	205	185
Bicarbonate(HCO3)	max.	mg/l	210	250	270	250	250	260	248	225
Conductivity	max.	umho/cm	750	1200	1100	1100	1100	1000	1042	765
Aluminum	max.	µg/l	ND	ND	ND	ND	ND	ND	ND	32
Arsenic	max.	µg/l	1.3	1.5	1.4	1.7	1.2	1.7	1.5	<1
Cadmium	max.	µg/l	0.1	0.2	0.1	0.1	0.1	0.1	0.12	<0.50
Chromium	max.	µg/l		4.2			2.4		3.3	4
Cobalt	max.	µg/l	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2
Copper	max.	µg/l	9	14	11	8	9		10	<2
Iron	max.	µg/l	36	21	26	51	56	100	48	<20
Lead	max.	µg/l	0.5	1.3	0.4	0.7	0.9	3.3	1.2	<0.50
Manganese	max.	µg/l		2.5			3.2		3	<2
Mercury	max.	µg/l		<2			<2		<0.2	<0.20
Nickel	max.	µg/l	<5	8.3	5.3	<5	<5	<5	<5	<5
Selenium	max.	µg/l		3.1			2.2		3	<5
Zinc	max.	µg/l	71	80	74	70	67	43	68	<20
Beryllium	max.	µg/l	<1	<1	<1	<1	<1	<1	<1	<1
Calcium	max.	mg/l	71	72	76	70	69	71	72	74
Magnesium	max.	mg/l	22	23	23	22	22	22	22	22
Potassium	max.	mg/l	18	19	18	17	17	17	18	4.3
Sodium	max.	mg/l	100	110	110	110	110	100	107	54
Silica	max.	mg/l	22	24	27	26	24	24	25	
Chromium VI	max.	µg/l		0.093			0.19		0.14	4
Vanadium	max.	µg/l	ND	3.3	3.1	3	4.2	ND	<3	3.1
THMs	max.	µg/l	12	15	13	20	17	16	15	12
SAR	max.		3.8	4.1	4.0	4.2	4.2	3.8	4.0	2.0