

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

			2016						6 Month Avg.	2016 Potable
			May	Jun	Jul	Aug	Sep	Oct		
Turbidity	avg.	NTU	0.22	0.22	0.58	0.48	0.32	0.33	0.36	0.064
pH	min.	S.U.	6.8	6.8	7.0	6.6	6.8	7.1	6.9	8.2
pH	max.	S.U.	7.7	7.7	7.6	7.6	7.8	7.6	7.7	8.3
TSS	avg.	mg/l	1	1	1	1	2	1.1	<1	
BOD	avg.	mg/l	<3	<3	<3	<3	<3	3	<3	
TDS	max.	mg/l	710	730	860	690	660	670	720	495
Chloride	max.	mg/l	140	130	130	130	110	140	130	61
Sulfate	max.	mg/l	150	140	140	140	110	140	137	93
Fluoride	max.	mg/l	0.71	0.69	0.66	0.67	0.58	0.70	0.67	0.54
Hardness	max.	mg/l	278	269	251	257	266	264	264	275
Boron	max.	mg/l	0.52	0.36	0.42	0.52	0.92	0.34	0.51	0.12
Nitrate-N	max.	mg/l	7.2	8.2	9.5	7.5	5.2	7.7	7.6	6.4
Nitrite-N	max.	mg/l	0.5	0.3	0.3	0.4	0.2	0.5	<0.1	<0.2
Nitrate+Nitrite	max.	mg/l	7.7	8.6	9.8	7.9	5.4	8.2	7.9	6.4
Ammonia-N	max.	mg/l	0.9	0.8	0.8	1.0	0.9	1.1	0.9	
Phosphorus-P	max.	mg/l	4.7	2.6	2.9	0.7	3.0	0.3	2.4	
Phosphate (PO4)	max.	mg/l	14	8	9	2	9	1	7.2	1.2
Alkalinity(CaCO3)	max.	mg/l	210	220	200	210	210	210	210	185
Bicarbonate(HCO3)	max.	mg/l	250	270	250	250	260	250	255	225
Conductivity	max.	umho/cm	1200	1100	1100	1100	1000	1100	1100	765
Aluminum	max.	µg/l	ND	ND	ND	ND	ND	ND	ND	32
Arsenic	max.	µg/l	1.5	1.4	1.7	1.2	1.7	1.6	1.5	<1
Cadmium	max.	µg/l	0.2	0.1	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	14	11	8	9	9	8	10	<2
Iron	max.	µg/l	21	26	51	56	100	38	49	<20
Lead	max.	µg/l	1.3	0.4	0.7	0.9	3.3	0.6	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	8.3	5.3	<5	<5	<5	<5	<5	<5
Selenium	max.	µg/l	3.1			2.2			3	<5
Zinc	max.	µg/l	80	74	70	67	43	69	67	<20
Beryllium	max.	µg/l	<1	<1	<1	<1	<1	<1	<1	<1
Calcium	max.	mg/l	72	76	70	69	71	71	72	74
Magnesium	max.	mg/l	23	23	22	22	22	22	22	22
Potassium	max.	mg/l	19	18	17	17	17	17	18	4.3
Sodium	max.	mg/l	110	110	110	110	100	110	108	54
Silica	max.	mg/l	24	27	26	24	24	24	25	
Chromium VI	max.	µg/l	0.093			0.19			0.14	4
Vanadium	max.	µg/l	3.3	3.1	3	4.2	ND	3	<3	3.1
THMs	max.	µg/l	15	13	20	17	16	13	16	12
SAR	max.		4.1	4.0	4.2	4.2	3.8	4.1	4.1	2.0