

**Recycled Water Quality Information for the San Jose/Santa Clara Water Pollution Control Plant  
2020**

Water Quality Parameter	Yearly Average	Standard Deviation	Minimum Level	Maximum Level	Jan-Feb Average	Mar-Apr Average	May-Jun Average	Jul-Aug Average	Sep-Oct Average	Nov-Dec Average	Sample Frequency
<b>General Parameters</b>											
Alkalinity (Total as CaCO <sub>3</sub> ), mg/L	126	1.6	112	142	123	126	126	127			Weekly
Ammonia (as Nitrogen), mg/L	1.7	0.3	1.2	2.4	1.9	1.6	1.3	1.9			Monthly
Bicarbonate (HCO <sub>3</sub> ), mg/L	126	1.6	112	142	123	126	126	127			Weekly
Biological Oxygen Demand, mg/L	1.1	0.1	0.5	1.7	1.0	1.1	1.3	1.0			Weekly
Conductivity, umhos/cm	831	17	772	992	812	825	834	853			Weekly
Hardness (as CaCO <sub>3</sub> ), mg/L	161	4.7	139	192	157	164	165	156			Weekly
Nitrate (as Nitrogen), mg/L	8.9	1.5	6.4	11.6	7.9	9.7	10.7	7.5			Monthly
Nitrite (as Nitrogen), mg/L	<0.08	NA	<0.02	0.46	0.24	<0.02	0.03	0.03			Monthly
Permeability SAR [calculated]	3.4	0.2	3.1	3.8	3.3	3.3	3.6	3.6			Monthly
pH (units)	7.5	0.1	7.1	7.8	7.5	7.5	7.4	7.5			Daily
Temperature, degrees Fahrenheit	72.1	4.4	63.3	81.3	67.4	69.4	74.3	77.1			Daily
Total Coliform Count, CFU/100ml	<2	NA	<1	51	<1	<1	<1	<3			Daily
Total Dissolved Solids, mg/L	471	15	423	568	458	461	474	490			Weekly
Total Residual Chlorine, mg/L	5.6	0.5	2.1	8.0	5.1	6.1	5.8	5.3			Daily
Total Suspended Solids, mg/L	<0.9	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			Weekly
Turbidity, NTU	0.3	0.1	0.2	0.7	0.4	0.3	0.3	0.4			Daily
<b>Chemical Parameters</b>											
Arsenic (As), ug/L	0.5	0.1	0.3	0.7	0.4	0.4	0.6	0.4			Monthly
Boron (B), ug/L	350	14.1	322	375	338	343	348	370			Monthly
Cadmium (Cd), ug/L	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			Monthly
Calcium (Ca), ug/L	31,700	1,960	27,600	35,100	29,000	33,200	31,600	33,100			Monthly
Chloride (Cl), ug/L	131,000	6,630	115,000	141,000	122,000	130,000	136,000	136,000			Monthly
Total Chromium (Cr), ug/L	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			Monthly
Copper (Cu), ug/L	1.2	0.1	1.0	1.5	1.4	1.1	1.2	1.1			Monthly
Iron (Fe), ug/L	<100	NA	<100	<100	<100	<100	<100	<100			Monthly
Lead (Pb), ug/L	<0.2	NA	<0.1	0.4	0.3	<0.1	<0.1	<0.1			Monthly
Magnesium (Mg), ug/L	20,900	1,550	18,200	24,800	19,000	22,800	20,900	20,800			Monthly
Mercury (Hg), ug/L	<0.0006	NA	<0.0005	0.0011	0.0006	0.0008	0.0005	<0.0005			Monthly
Nickel (Ni), ug/L	2.5	0.7	1.9	3.8	2.0	2.1	2.4	3.6			Monthly
Phosphate (PO <sub>4</sub> ), ug/L	1,570	798	374	4,470	1,120	1,590	2,680	882			Monthly
Potassium (K), ug/L	10,600	875	9,360	11,800	9,560	10,300	11,400	11,300			Monthly
Silicon (Si), ug/L	6,400	324	5,980	7,250	6,150	6,270	6,330	6,880			Monthly
Silver (Ag), ug/L	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			Monthly
Sodium (Na), ug/L	101,000	6,930	88,100	115,000	92,000	99,500	107,000	106,000			Monthly
Sulfate (SO <sub>4</sub> ), ug/L	57,000	3,550	48,100	65,300	52,600	57,800	56,600	61,200			Monthly
Zinc (Zn), ug/L	11.3	0.9	8.9	13.2	10	11.5	11.6	12.1			Monthly
<b>Other</b>											
Dissolved Oxygen, mg/L	8.0	0.3	6.9	9.4	8.3	8.2	7.8	7.7			Daily
Ortho Phosphate, mg/L	<0.9	NA	0.2	3.0	0.4	1.3	0.8	<1.0			Weekly

NA = Not Available  
 MPN = Most Probable Number  
 SAR =  $[Na^+] / \sqrt{([Ca^{++}] + [Mg^{++}]) / 2}$

NTU = Nephelometric Turbidity Units (measure of the suspended material in water)  
 mg/L = Milligrams per Liter (parts per million)  
 ug/L = Micrograms per Liter (parts per billion)