



**City of Hayward WPCF
Recycled Water Quality**

Parameter	Unit of Measure	Sample Date			
		1/29/2025	4/30/2025	8/13/2025	10/7/2025
pH	S.U.	n/a	n/a	n/a	n/a
Conductivity	µmho/cm	n/a	n/a	n/a	n/a
TDS	mg/L	n/a	400	360	288
TSS	mg/L	<1.0	1.1	<1.0	<1.0
Alkalinity (CaCO3)	mg/L	240	200	200	144
BOD	mg/L	5.2	<5.0	<5.0	<5.0
Cyanide (CN)	mg/L	<0.020	<0.020	<0.020	<0.020
Sodium Absorption Ratio (SAR)		3.17	3.22	4.47	3.14
Microbiology					
Residual Cl₂	mg/L	n/a	n/a	n/a	n/a
Total Coliform	MPN	<1	<1	<1	<1
E.coli	MPN	<1	<1	<1	<1
Nutrients					
Ammonia (NH₄⁺)	mg/L	28	34	n/a	21
Bromide (Br)	mg/L	0.120	0.097	0.092	0.092
Chloride (Cl)	mg/L	120	93	100	81
Flouride (F)	mg/L	0.59	0.76	0.84	0.90
Nitrite (NO₂-N)	mg/L	<0.20	4.0	0.83	0.38
Nitrate (NO₃-N)	mg/L	5.2	0.52	5.6	5.2
Sulfate (SO₄)	mg/L	58	46	34	36
Sulfide (S₂⁻)	mg/L	<0.10	<0.10	<0.10	<0.10
Orthophosphate (PO₄-P)	mg/L	7.2	8.8	6.1	3.5
Phosphate (PO₄)	mg/L	7.7	9.0	6.8	4.4
Total Inorganic Nitrogen (TIN)	mg/L	33	32	n/a	27
Total Kjeldal Nitrogen (TKN)	mg/L	43	29	30	17
Total Nitrogen (TN)	mg/L	48	34	36	21
Cations					
Calcium (Ca)	mg/L	35	23	18	16
Potassium (K)	mg/L	n/a	n/a	n/a	n/a
Magnesium (Mg)	mg/L	15	11.0	9.0	5.8
Sodium (Na)	mg/L	89	74	93	49
Specific IONS					
Boron (B)	mg/L	0.25	<0.20	<0.20	<0.20
Silica (SiO₂)	mg/L	11	14	11	9
Metals					
Antimony (Sb)	mg/L	<0.020	<0.020	<0.020	<0.020
Aluminium (Al)	mg/L	n/a	n/a	n/a	n/a
Arsenic (As)	mg/L	<0.010	<0.010	<0.010	<0.010
Barium (Ba)	mg/L	0.013	<0.10	<0.010	<0.010
Beryllium (Be)	mg/L	<0.0010	<0.0010	<0.0010	<0.0010
Cadmium (Cd)	mg/L	<0.010	<0.010	<0.010	<0.010
Chromium (Cr)	mg/L	<0.010	<0.010	<0.010	<0.010
Cobalt (Co)	mg/L	<0.010	<0.010	<0.010	<0.010
Copper (Cu)	mg/L	<0.020	<0.020	<0.020	<0.020
Iron (Fe)	mg/L	<0.10	<0.10	0.13	<0.10
Lead (Pb)	mg/L	<0.050	<0.050	<0.050	<0.050
Manganese (Mn)	mg/L	0.047	0.057	0.035	0.034
Mercury (Hg)	mg/L	<0.020	<0.020	<0.020	<0.020
Molybdenum (Mo)	mg/L	<0.50	<0.50	<0.50	<0.050
Nickel (Ni)	mg/L	<0.010	<0.010	<0.010	<0.010
Selenium (Se)	mg/L	<0.020	<0.020	<0.020	<0.020
Silver (Ag)	mg/L	<0.010	<0.010	<0.010	<0.010
Thalium (Tl)	mg/L	<0.20	<0.20	<0.20	<0.20
Vanadium (V)	mg/L	<0.020	<0.020	<0.020	<0.020
Zinc (Zn)	mg/L	<0.020	<0.020	0.029	<0.020