RP-1 Recycled Water Quality (2025)

Parameter	Units	Average [1]	Minimum [1]	Maximum [1]
BOD	mg/L	<2	<2	<2
TSS	mg/L	<2	<2	<2
pH	units	6.9	6.8	7.0
Turbidity	NTU	0.6	0.5	0.8
Total Coliform (7d median)	MPN/100mL	<1	<1	<1
EC [2]	µmhos/cm	760	738	786
TDS	mg/L	443	418	464
TOC	mg/L	6.6	6.1	7.4
NH_3-N	mg/L	<0.2	<0.2	0.5
TIN	mg/L	5.0	4.4	5.8
Bicarbonate Alkalinity	mg/L as $CaCO_3$	140	140	140
Boron	mg/L	0.1	0.1	0.2
Calcium	mg/L	45	35	49
Carbonate Alkalinity	mg/L as $CaCO_3$	0	0	0
Chloride	mg/L	100	100	100
Fluoride	mg/L	0.1	0.1	0.1
Magnesium	mg/L	9	6	11
Sodium	mg/L	88	83	91
Sulfate	mg/L	47	47	47
Total Hardness	mg/L as $CaCO_3$	151	110	162
TR Aluminium	µg/L	130	57	195
TR Arsenic	µg/L	<2	<2	<2
TR Barium	µg/L	13	10	16
TR Cadmium	µg/L	<0.25	<0.25	<0.25
TR Chromium	µg/L	0.9	<0.5	3.0
TR Copper	µg/L	3	2	7
TR Lead	µg/L	<0.5	<0.5	<0.5
TR Manganese	µg/L	8	4	23
TR Mercury	µg/L	<0.025	<0.025	<0.025
TR Nickel	µg/L	3	3	2
TR Selenium	µg/L	<2	<2	<2
TR Silver	µg/L	<0.25	<0.25	<0.25
TR Zinc	µg/L	12	9	15
Silica	mg/L	24	5	27

[1] Average, Minimum, and Maximum values based on monthly averages

[2] EC values based on 24-hour composite lab samples, not continuous monitoring

RP-4 Recycled Water Quality (2025)

Parameter	Units	Average [1]	Minimum [1]	Maximum [1]
BOD	mg/L	<2	<2	<2
TSS	mg/L	<2	<2	<2
pH	units	7.1	6.9	7.3
Turbidity	NTU	0.6	0.4	0.8
Total Coliform (7d median)	MPN/100mL	<1	<1	<2
EC [2]	µmhos/cm	741	705	777
TDS	mg/L	425	390	441
TOC	mg/L	6.1	5.5	6.8
NH_3-N	mg/L	<0.2	<0.2	<0.2
TIN	mg/L	4.9	2.8	6.5
Boron	mg/L	0.2	0.1	0.2
Calcium	mg/L	41	33	47
Magnesium	mg/L	10	9	11
Sodium	mg/L	92	84	99
Total Hardness	mg/L as $CaCO_3$	146	125	162
Silica	mg/L	23	20	25

[1] Average, Minimum, and Maximum values based on monthly averages

[2] EC values based on 24-hour composite lab samples, not continuous monitoring

RP-5 Recycled Water Quality (2025)

Parameter	Units	Average [1]	Minimum [1]	Maximum [1]
BOD	mg/L	<2	<2	<2
TSS	mg/L	<2	<2	<2
pH	units	7.1	6.9	7.3
Turbidity	NTU	0.9	0.6	1.3
Total Coliform (7d median)	MPN/100mL	<1	<1	<1
EC [2]	µmhos/cm	944	917	978
TDS	mg/L	522	499	547
TOC	mg/L	4.8	4.5	5.2
NH_3-N	mg/L	<0.2	<0.2	0.2
TIN	mg/L	6.2	5.3	7.6
Bicarbonate Alkalinity	mg/L as $CaCO_3$	108	108	108
Boron	mg/L	0.2	0.1	0.2
Calcium	mg/L	58	51	70
Carbonate Alkalinity	mg/L as $CaCO_3$	0	0	0
Chloride	mg/L	163	161	164
Fluoride	mg/L	0.1	0.1	0.1
Magnesium	mg/L	14	12	16
Sodium [3]	mg/L	107	103	111
Sulfate [3]	mg/L	58	52	63
Total Hardness	mg/L as $CaCO_3$	194	177	221
TR Aluminium	µg/L	<25	<25	<25
TR Arsenic	µg/L	<2	<2	<2
TR Barium	µg/L	35	13	40
TR Cadmium	µg/L	<0.25	<0.25	<0.25
TR Chromium	µg/L	0.8	<0.5	3.0
TR Copper	µg/L	5	4	6
TR Lead	µg/L	<0.5	<0.5	<0.5
TR Manganese	µg/L	7	4	14
TR Mercury	µg/L	<0.025	<0.025	<0.025
TR Nickel	µg/L	3	2	3
TR Selenium	µg/L	<2	<2	<2
TR Silver	µg/L	<0.25	<0.25	<0.25
TR Zinc	µg/L	36	29	42
Silica	mg/L	20	19	22

[1] Average, Minimum, and Maximum values based on monthly averages

[2] EC values based on 24-hour composite lab samples, not continuous monitoring

[3] Effluent value reported will be higher than RW due to dechlorination chemicals.

CCWRF Recycled Water Quality (2025)

Parameter	Units	Average [1]	Minimum [1]	Maximum [1]
BOD	mg/L	2	<2	2
TSS	mg/L	<2	<2	<2
pH	units	6.8	6.8	7.0
Turbidity	NTU	1.0	0.9	1.0
Total Coliform (7d median)	MPN/100mL	<1	<1	<1
EC [2]	µmhos/cm	933	906	978
TDS	mg/L	495	449	517
TOC	mg/L	7.6	6.3	8.6
NH_3-N	mg/L	<0.2	<0.2	<0.2
TIN	mg/L	6.7	5.9	7.5
Bicarbonate Alkalinity	mg/L as $CaCO_3$	105	105	105
Boron	mg/L	0.2	0.1	0.2
Calcium	mg/L	45	37	53
Carbonate Alkalinity	mg/L as $CaCO_3$	0	0	0
Chloride	mg/L	148	138	164
Fluoride	mg/L	0.2	0.2	0.3
Magnesium	mg/L	11	10	14
Sodium [3]	mg/L	106	96	117
Sulfate [3]	mg/L	70	65	80
Total Hardness	mg/L as $CaCO_3$	162	144	191
TR Aluminium	µg/L	177	68	154
TR Arsenic	µg/L	<2	<2	<2
TR Barium	µg/L	20	13	29
TR Cadmium	µg/L	<0.25	<0.25	<0.25
TR Chromium	µg/L	0.8	<0.5	1.7
TR Copper	µg/L	6	4	9
TR Lead	µg/L	<0.5	<0.5	<0.5
TR Manganese	µg/L	7	4	14
TR Mercury	µg/L	<0.025	<0.025	<0.025
TR Nickel	µg/L	3	2	3
TR Selenium	µg/L	<2	<2	<2
TR Silver	µg/L	<0.25	<0.25	<0.25
TR Zinc	µg/L	39	27	56
Silica	mg/L	20	19	22

[1] Average, Minimum, and Maximum values based on monthly averages

[2] EC values based on 24-hour composite lab samples, not continuous monitoring

[3] Effluent value reported will be higher than RW due to dechlorination chemicals.