

Recycled Water Quality Summary

KILCOY RRC Recycled Water Quality Summary

For sampling conducted between 1 July 2022 and 30 June 2023

Parameter	Units	No. Samples	Minimum	Average	Maximum
Acetic Acid	mg/L	12	<6	<6	<6
Ammonia N	mg/L	12	6.91	16.08	22.8
Arsenic as As	mg/L	12	<0.007	<0.007	<0.007
BOD 5 days @ 20oC	mg/L	12	<5	<5	7
Boron as B	mg/L	12	0.038	0.067	0.082
Cadmium as Cd	mg/L	12	<0.001	<0.001	<0.001
Calcium as Ca	mg/L	4	18.6	23.6	33.2
Chromium as Cr	mg/L	12	<0.001	<0.001	<0.001
COD as O2	mg/L	12	31	55	90
Conductivity at 25C	uS/cm	63	501	1023	1241
Copper as Cu	mg/L	12	<0.005	<0.005	0.008
Dissolved O2 - Field	mg/L	12	3.35	6.1	7.41
Escherichia coli	cfu/100mL	51	5	60	1900
Fluoride by ISE	mg/L	12	0.43	0.55	0.61
Free Chlorine	mg/L	63	<0.1	0.15	2.03
Lead as Pb	mg/L	12	<0.004	<0.004	<0.004
Magnesium as Mg	mg/L	4	23.7	29.1	40.2
Manganese as Mn	mg/L	12	0.039	0.061	0.085
Mercury as Hg	ug/L	12	<0.01	<0.01	<0.01
Nickel as Ni	mg/L	12	<0.01	<0.01	<0.01
Ortho Phosphorus as P	mg/L	12	0.883	1.727	3.65
pH - Field	pH Unit	12	7.4	7.7	7.9
Selenium as Se	mg/L	12	<0.01	<0.01	<0.01
Sodium as Na	mg/L	4	112.4	116.9	127
Sodium Absorption Ratio	na	4	3.48	3.84	4.13
Suspended Solids	mg/L	62	5	15	27
Temperature - Field	C	12	15	20.3	27.1
Total Alkalinity as CaCO3	mg/L	12	160	233	308
Total Chlorine	mg/L	63	2.5	4.92	6.06
Total Nitrogen as N	mg/L	12	16.35	30.1	36.4
Total Phosphorus as P	mg/L	12	1.36	2.29	3.7
Turbidity	NTU	12	3.5	5.9	15.6
Zinc as Zn	mg/L	12	0.005	0.011	0.015