CRC204086 Akaroa WWTP — **Treated wastewater quality sampling results 2021 - current** — Condition 6 - 9 (Samples taken 1 Mar - 30 Nov: Monthly, 1 Dec - end-Feb: Weekly) — Annually in Jan - Condition 6 (Metals)

Sample date	Sample time	Lab ID	BOD5 (g/m3) cond. 6	Median* BOD5 (g/m3) cond. 8 & 9	OK? <30g/m3	Suspended solids (g/m3) cond. 6	Median* suspended solids (g/m3) cond. 8 & 9	OK? <30g/m3	Faecal coliforms (CFU/100 mL) cond. 6	Median Faecal coliforms (CFU/100 mL) cond. 7 & 9	OK? <1000CFU/100ml	Enterococci (MPN/100 ml)	DRP (g/m3)	Ammonia (g/m3)	Total nitrogen (mg/L)	Oxides of nitrogen (NOx)	Total Kjeldahl Phosphorus (g/m3)	Temp. (°C)	Lead (mg/L)	Copper (mg/L)	Chromium (mg/L)	Cadmium (mg/L)	Zinc (mg/L)	BOD5 & SS median limit	FC median limit
1-Feb-22	9:45	2201287	6.7	9.9	YES	14	17	YES	400	10	YES	160	2.3	5.6	29.9	22	2.8	17						30	1000
9-Feb-22	9:55	2201298	6.5	8	YES	13	17	YES	10	10	YES	10	1.6	5.5	24.7	19	2	NA						30	1000
16-Feb-22	9:45	2201303	3.7	6.7	YES	13	14	YES	10	10	YES	10	1.4	1.7	19.7	18	1.6	19						30	1000
24-Feb-22	15:00	2201308	5.2	6.5	YES	100	14	YES	10	10	YES	10	0.27	2.2	22.2	22	0.84	15						30	1000
3-Mar-22	10:45	2202015	9.5	6.5	YES	13	13	YES	10	10	YES	41	2.1	3.8	27.9	24	2.2	16.4						30	1000
28-Apr-22	7:35	2202936	8	6.5	YES	15	13	YES	10	10	YES	10	1.4	2.8	5	14	2.2	17							
24-May-22	8:45	2204386	9.3	8	YES	15	15	YES	10	10	YES	10	1.1	2.4	15.8	13	1.3	13							
9-Jun-22	9:05	2208423	11	9.3	YES	18	15	YES	10	10	YES	10	1.5	3.9	15.49	15	1.9	13							
19-Jul-22	9:00	2208666	9.4	9.4	YES	18	15	YES	10	10	YES	20	0.34	2.5	11.35	11	1	11							
10-Aug-22	8:50	2210511	5.2	9.3	YES	19	18	YES	20	10	YES	10	0.58	1	8	7.7	0.86	10							
13-Sep-22	9:00	2212245	9.7	9.4	YES	15	18	YES	10	10	YES	10	1.5	2.9	3.5	12	1.6	13							
18-Oct-22	10:20	2212634	13	9.7	YES	20	18	YES	10	10	YES	10	1.9	5.9	9.9	13	2.5	15							
15-Nov-22	8:50	2217853	16	9.7	YES	24	19	YES	340	10	YES	63	2	8.8	12	11	2.7	18.2							
1-Dec-22	11.55	2220950	7.7	9.7	YES	12	19	YES	10	10	YES	10	1.1	3.3	15	15	1.7	18.6							
9-Dec-22	8:40	2220958	9.7	9.7	YES	12	15	YES	130	10	YES	20	2	2.6	15	15	2.4	16.7							
16-Dec-22	8:50	2220968	7.3	9.7	YES	16	16	YES	65	65	YES	10	2.1	4.5	20	20	2.6	20.2							
23-Dec-22	9:05	2220976	2.3	7.7	YES	13	13	YES	10	65	YES	10	2.6	3.6	5.9	21	3.1	18.8							
30-Dec-22	8:05	2220991	16	7.7	YES	18	13	YES	440	65	YES	180	3.7	21	23	9.1	4.2	20							
6-Jan-23	9:30	2222419	14	9.7	YES	25	16	YES	1600	130	YES	220	4.2	20	23	12	4.2	16.39	<0.0010	0.0052	<0.0010	<0.0010	0.025		
13-Jan-23	9:05	2223096	7.8	7.8	YES	15	16	YES	10	65	YES	10	3.4	7.5	9.1	24	3.6	20							
20-Jan-23	8:50	2223217	5.5	7.8	YES	14	15	YES	10	10	YES	10	3.2	5.8	6	25	3.7	21.7							
27-Jan-23	8:45	2223226	5.2	7.8	YES	12	15	YES	10	10	YES	10	2.6	3	3.6	21	2.7	21.2							
3-Feb-23	7:50	2300174	5.3	5.5	YES	17	15	YES	10	10	YES	10	2.1	2.3	19.5	16	2.3	22.2							
10-Feb-23	9:05	2300182	4.1	5.3	YES	17	15	YES	10	10	YES	10	2.7	3.5	24.4	21	2.9	20.9							
17-Feb-23	8:30	2300190	5.7	5.3	YES	14	14	YES	10	10	YES	10	1.2	0.97	2.5	12	1.4	18.7							
16-Mar-23	8:40	2303196	4.2	5.2	YES	12	14	YES	10	10	YES	10	1.2	1.9	3.3	14	1.7	18.6							
20-Apr-23	8:15	2304682	9.8	5.3	YES	21	17	YES	350	10	YES	10	2.6	5.3	7.2	12	2.5	16.6							
18-May-23	7:30	2306265	4.7	4.7	YES	21	17	YES	10	10	YES	10	0.71	1.2	2.9	9.5	1.3	13.4							
9-Jun-23	8:00	2308837	8.4	5.7	YES	23	21	YES	10	10	YES	10	1	1	2.9	15	2.9	12							
13-Jul-23	8:45	2310489	1.7	4.7	YES	29	21	YES	10	10	YES	10	0.45	0.9	11.2	9.7	0.6	NR							
16-Aug-23	11:40	2312550	5.7	5.7	YES	15	21	YES	10	10	YES	10	0.96	1.4	13	11	1.2	NR							
14-Sep-23	9:40	2314941	10	5.7	YES	22	22	YES	10	10	YES	10	2.8	4.2	27	20	3.5	13.2							
17-Oct-23	9:30	2316254	13	8.4	YES	39	23	YES	10	10	YES	31	2.7	20	23	1.1	4.5	14							
14-Nov-23	10:23	2318245	9.4	9.4	YES	22	22	YES	10	10	YES	10	4	22	35	9.8	4.5	20							
8-Dec-23	10:50	2319664	9.7	9.7	YES	11	22	YES	40	10	YES	10	3.1	12	35	19	3.9	19.6							
14-Dec-23	10:25	2319676	8.4	9.7	YES	17	22	YES	10	10	YES	20	1.7	7.3	31	17	2.5	18							
21-Dec-23	11:05	2319740	8.1	9.4	YES	15	17	YES	20	10	YES	10	3.4	14	33	20	3.4	21.4							
28-Dec-23	12:05	2319751	21	9.4	YES	29	17	YES	14000	20	YES	5500	4.1	26	32	4	4.3	20.4							
4-Jan-24	8:50	2319921	16	9.7	YES	27	17	YES	320	40	YES	450	4.4	28	36	4.6	4.9	21							
11-Jan-24	11:08	2321495	11	11	YES	21	21	YES	130	130	YES	98	4.3	14	32	14	5	22.6	<0.0010	0.0065	<0.0010	<0.0010	0.028		

Extra bacterial only sample results taken through summer of 2023/24

Sample date	Sample time	Sample No.	Enterococci (MPN/100 ml)	Faecal coliforms (CFU/100 mL)
15-Dec-23	10:40	2319750	10	41
19-Dec-23	12:00	2319749	10	10
22-Dec-23	10:00	2319761	10	30
27-Dec-23	13:40	2319760	24000	36000
29-Dec-23	12:55	2319930	1400	2500
1-Jan-24	11:20	2319929	1900	4000
5-Jan-24	11:20	2321494	98	130
9-Jan-24	10:35	2321511	10	10
11-Jan-24	11:09	2321510	10	10