

Treated wastewater sampling results

This table provides results of treated wastewater sampling at the Akaroa wastewater treatment plant. The tests are grouped together by sampling frequency. The consent sets median limits for 5-day biological oxygen demand, suspended solids and faecal coliforms. Compliance or otherwise with median limits is indicated in the 'Complies?' column, which also gives the median limit. Compliance is indicated by a green YES and non-compliance a red NO.

Sample date	Sample time	Sample No.	Condition 6 - 9 (Samples taken 1 Mar - 30 Nov: Monthly, 1 Dec - end-Feb: Weekly)														Annually in Jan - Condition 6 (Metals)							
			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/100mL) cond. 6	Median Faecal coliforms (CFU/100mL) cond. 7 & 9	OK? <10000CFU/100ml	Enterococci (MPN/100ml)	Dissolved reactive phosphorus (g/m3)	Ammonia (g/m3)	Total nitrogen (g/m3)	Oxides of nitrogen (NOx)	Total Kjeldahl Phosphorus (TKP) (g/m3)	Temp. (°C)	Lead (mg/L)	Copper (mg/L)	Chromium (mg/L)	Cadmium (mg/L)	Zinc (mg/L)	
19-Dec-19	9:15	1915566	16	12	YES	19	20	YES	220	10	YES	63	0.89	17	21.9	3.9	1.4	17						
27-Dec-19	9:26	1915571	19	16	YES	31	22	YES	40000	220	YES	1500	2.4	35	40.74	0.74	3.3	15.4						
3-Jan-20	9:00	1915594	33	19	YES	55	31	NO	50000	4300	NO	4100	3.5	42	50.88	0.88	4.9	16	0.001	0.012	0.001	0.001	0.048	
9-Jan-20	NA	1915614	24	22	YES	40	33	NO	31000	31000	NO	2800	3.1	35	37.51	0.51	3.9	16						
16-Jan-20	9:15	1915629	16	19	YES	28	31	NO	280	31000	NO	41	2.3	22	30.9	3.9	3	16						
23-Jan-20	9:10	1915647	16	19	YES	26	31	NO	281	31000	NO	41	2.3	22	30.9	3.9	3	16						
30-Jan-20	8:30	1915661	8.9	16	YES	26	28	YES	40	281	YES	10	1	8.7	18.7	5.7	2	19						
3-Feb-20	9:10	2000498	15	16	YES	26	26	YES	230	280	YES	10	1.3	11	20.6	5.6	2	22						
12-Feb-20	9:15	2000511	19	16	YES	29	26	YES	2400	280	YES	610	0.96	13	14.8	1.8	2	20						
18-Feb-20	8:05	2000518	19	16	YES	34	26	YES	90	230	YES	10	1.2	11	15.1	4.1	2.5	22						
26-Feb-20	8:20	2000525	13	15	YES	39	29	YES	10	90	YES	10	0.88	12	24.2	8.2	2.1	21						
3-Mar-20	8:00	2001555	14	15	YES	42	34	NO	10	90	YES	10	0.37	9.9	20.5	6.5	1.7	22						
7-Apr-20	10:25	2002905	6.2	14	YES	12	34	NO	40	40	YES	10	1.6	1.5	24.9	22	2							
7-May-20	10:30	2003865	9.8	13	YES	34	34	NO	10	10	YES	10	0.89	5.1	19.8	13	1.5	14						
9-Jun-20	8:10	2007474	19	13	YES	85	39	NO	60	10	YES	10	3.4	7.6	22	10	4.6	12						
9-Jul-20	9:45	2008445	13	13	YES	48	42	NO	10	10	YES	10	1.2	5.8	21.3	13	2.8	10.3						
4-Aug-20	9:15	2009328	27	13	YES	72	48	NO	10	10	YES	10	2.5	14	25.1	5.1	4.9							
26-Aug-20			20	19	YES	28	48	NO	28	10	YES			8.4										
27-Aug-20	9:24	2012651	9.2	19	YES	25	48	NO	10	10	YES			7.3										
1-Sep-20	7:50	2012890	11	13	YES	32	32	NO	200	19	YES			12										
3-Sep-20	10:40	2013068	15	15	YES	28	28	YES	150	19	YES			6.8										
3-Sep-20	9:25	2011097	4	11	YES	27	28	YES	10	19	YES	10	2.4	7.2	30.1	21	3.5	11.9						
8-Sep-20	8:30	2013353	12	11	YES	34	28	YES	110	110	YES			9.1										
10-Sep-20	9:45	2013481	15	12	YES	27	28	YES	25	110	YES			7.1										
15-Sep-20	7:55	2013704	15	15	YES	23	27	YES	10	25	YES			12										
17-Sep-20	6:50	2013899	14	14	YES	28	27	YES	10	10	YES			10										
22-Sep-20	8:45	2014333	9	14	YES	17	27	YES	90	25	YES			15										
24-Sep-20	8:59	2014494	12	14	YES	16	23	YES	3100	25	YES			10										
29-Sep-20	8:10	2014665	15	14	YES	14	17	YES	10	10	YES			19										
1-Oct-20	7:30	2014858	11	12	YES	19	17	YES	100	90	YES			17										
6-Oct-20	9:26	2012376	15	12	YES	20	17	YES	1300	100	YES	190	4.2	23	34.6	5.6	4.9							
8-Oct-20			12	12	YES	20	19	YES	10	100	YES			23										
5-Nov-20	7:45	2013504	10	12	YES	20	20	YES	20	20	YES	10	3.3	13	22.7	6.7	3.4							
1-Dec-20	8:20	2016821	15	12	YES	24	20	YES	70	70	YES	10	1.9	13	21.1	5.1	2.9	16						
9-Dec-20	7:30	2016826	12	12	YES	18	20	YES	10	20	YES	10	3.3	16	33	15	4.1	19.6						
16-Dec-20	4:50	2016837	18	12	YES	3	20	YES	1200	20	YES	300	3.1	13	30	15	4.1	20.2						
23-Dec-20	7:25	2016842	8.7	12	YES	13	18	YES	10	20	YES	10	3.7	3.6	29	16	3.8	19.7						
30-Dec-20	7:40	2016847	19	15	YES	24	18	YES	6200	70	YES	2400	3.5	31	36	4	4.7	18.8						
6-Jan-21	7:35	2018237	18	18	YES	22	18	YES	440	440	YES	130	5	36	40.3	1.3	5.3	20.4	0.001	0.0078	0.001	0.001	0.057	
13-Jan-21	7:25	2018383	9.8	18	YES	21	21	YES	50	440	YES	20	3.8	23	32.6	7.6	4.4	20						
20-Jan-21	7:45	2018415	13	13	YES	22	22	YES	60	60	YES	75	3.4	14	31	15	3.9	19.5						
27-Jan-21	7:40	2018426	6.6	13	YES	19	22	YES	20	60	YES	10	2.9	6.6	23.4	14	3.3	21.9						
3-Feb-21	7:30	2100133	7.3	9.8	YES	13	21	YES	10	50	YES	30	3.5	4.9	25	21.3	3.7	19.9						
10-Feb-21	8:20	2100144	11	9.8	YES	20	20	YES	100	50	YES	98	4.9	12	29	15	5.1	22						
17-Feb-21	10:30	2100151	10	10	YES	19	19	YES	70	60	YES	10	2.3	3.1	29	24	2.9	19						
24-Feb-21	8:15	2100156	6.2	7.3	YES	15	19	YES	10	20	YES	10	3	2.9	32.3	26.81	3.2	20						

Legend
 Median of 5 consecutive results
 BLUE <Value
 RED >Value
 Not required
 BOD5 5-day biological oxygen demand
 g/m3 Grams per cubic metre
 mg/l Milligrams per litre
 CFU Colony forming unit
 MPN Most probable number
 Italic VALUEe