

Waikato District Council Wastewater Treatment Monitoring Results

Site  
Consent number  
Report period

Te Kauwhata  
940355  
Jul 07 to Jun 08

Discharge Limit Transgression		
Minor transgression		
Suspect/Missing Sample		

1 Discharge Limits - Monthly Tests from Wetland/Rockfilter Outlet

Parameter	Unit	Consent value														
		Maximum	Median	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Median
TN	kg/ha/day			15.89	13.05	5.88	5.09	2.79	0.57	0.41	1.43	6.39	0.15	1.52	2.91	2.16
SS (median from 10 pa)	g/cum	50		3	3	3	6	4.2	5.1	11	10	6.7	6.9	5.6	5.8	5.90
Ammonia NH4-N (median from 10pa)	g/cum	30		0.63	3.39	3.74	1.87	1.2	2.4	2.3	1.4	1.2	0.92	0.67	0.01	1.30
FC (m median from 5 samples in 30 days)	MPN/100mL		5000	84	130	120	150	270	100	130	290	64	400	330	220	185.00

2 Characterisation Values - Monthly Tests from Wetland/Rock Filter Outlet

Parameter	Units													
BOD (median from 10)	g/cum	1	2	1	2	1.6	1.8	3.3	3.3	3.5	3.4	1.9	1.3	1.95
TKN	g/cum	2.2	4.8	5	3.4	2.9	4.1	4.9	4.2	3.5	3.5	3	2.2	3.50
Nitrate NO3 (median from 10)		5.66	2.25	1.19	0.82	0.055	<0.002	0.01	<0.005	0.008	0.011	0.063	0.2	0.06
DRP	g/cum	0.61	1.06	1.08	1.1	1.8	5.9	6.4	7.3	8.2	8.4	5.6	4.7	5.75
Temp	*C	11.1	12	13.8	17.8	18.1	2.11	22.8	20.2	20.5	18	no sample	no sample	18.05
pH		6.9	6.76	7	6.91	6.85	6.87	6.98	7.16	6.91	7.01	6.93	7	6.96
E Coli	MPN/100mL	64	78	80	150	230	no sample	no sample	no sample	64	no sample	270	no sample	115.00

3 Characterisation Values - Daily Total Flows

Flow	Consent limit	1080 cum/day											Average	Comment	
	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08			
Minimum Daily Flow	628	785	293	294	159	120	109	114	156	233	273	305	490		
Average Daily Flow	1116	1254	485	454	322	217	180	180	265	400	528	478			
Maximum Daily Flow	1484	1901	686	575	518	310	254	260	416	445	1313	918			757
Monthly Total	34585	38866	14559	14079	9647	6730	5393	5231	8220	11965	15845	11939			14755