

Discharge Limit Transgression	
Minor transgression	
Suspect/Missing Sample	

1 Discharge Quality limits - Monthly tests post UV				
Parameter	Unit	Consent value	Consent value	07-Aug-08
		Median (from 10)	90 Percentile	
TKN	g/cum	12	15	5.7
Total Ammonia (median)	g/cum	8	10	3.4
Total P	g/cum	5	7	0.7
BOD	g/cum	15	20	4
SS	g/cum	20	30	21
EC	MPN/100ml	630	3500	10
FC	MPN/100ml	900	5000	12

2 Characterisation Values - Monthly Tests from Outlet Post UV				07-Aug-08
Parameter	Units			
Nitrate NO3-N	g/cum			3
Nitrite NO2-N	g/cum			0.19
Total Nitrogen	g/cum			8.89
DRP	g/cum			0.44
Temp	*C			11.5
Dissolved Oxygen				3.22
Alkalinity	g/cum			44
pH				6.71
Conductivity	uS			303

3 Characterisation Values - Tests at Outlets			Raw Wastewater	Main Pond	Wetland Post UV
Parameter	Units	07-Aug-08			
EC	MPN/100ml		45000	20	10
FC	MPN/100ml		45000	20	12
SS	g/cum		190	14	21
Total Ammonia	g/cum		15	4	3.4
BOD	g/cum		110	3	4
TKN	g/cum			7.5	5.7
Nitrate NO3-N	g/cum		0.513	1.8	3
Nitrite NO2-N	g/cum		0.2	0.16	0.19
Total Nitrogen	g/cum			9.46	8.89
DRP	g/cum		0.004	0.4	0.44
TP	g/cum		3.6	0.62	0.7
Temp	*C		13	12.1	3.22
Dissolved Oxygen			9.81	8.1	44
Alkalinity	g/cum		52	47	
pH			6.36	7.04	6.71
Conductivity	uS		568	304	303

4 Measured data from on site flowmeter				
Date	MagFlow Meter Out	Flow for Period	Days for period	Avg Flow/day
25/07/2008	90044	2848	7	407
1/08/2008	99755	9711	7	1387
8/08/2008	105162	5407	7	772
18/08/2008	108017	2855	10	286
25/08/2008	115325	7308	7	1044
1/09/2008	118896	3571	7	510

5 Characterisation Values - Average Nutrient Loading Discharged to Waikato River		
Parameter	Unit	Value
Total Nitrogen	kg/day	6.06
Total Phosphorous	kg/day	0.48

6 Discharge Volume Limits			
Flow	24hr Consent Limit	Average Dry Weather Limit	
cum/day	480	160	
Date	Recorded Discharge Flow	Pump 1 run hrs	Pump 2 run hrs
01-Aug-08	1455	24	
02-Aug-08	1240	24	
03-Aug-08	1086	24	
04-Aug-08	564	12	
05-Aug-08	440	7	
06-Aug-08	456	7	
07-Aug-08	460	7	
08-Aug-08	334	5	
09-Aug-08	0	0	
10-Aug-08	0	0	
11-Aug-08	0	0	
12-Aug-08	118	2.5	
13-Aug-08	118	7	
14-Aug-08	477	7	
15-Aug-08	480	7	
16-Aug-08	477	7	
17-Aug-08	475	7	
18-Aug-08	1149	17	
19-Aug-08	1816	12	11
20-Aug-08	1994	24	24
21-Aug-08	1005	12	12
22-Aug-08	146	2.5	2.5
23-Aug-08	568	7	7
24-Aug-08	571	7	7
25-Aug-08	574	7	7
26-Aug-08	573	7	7
27-Aug-08	571	7	7
28-Aug-08	571	7	7
29-Aug-08	538	7	7
30-Aug-08	455	5.5	6.5
31-Aug-08	382	4	4.5
min	118		
average	682		
maximum	1994		
total	19093		

wet weather extra pumping

sample pump out middle of day

started at 2130

wet weather extra pumping

Pump came on for half an hour at 10.30am

Pump 2 went off for an hr at 3am
 Pump 2 went off for an hr at 2am

