

Mid-Coast Council

PO Box 450

Forster NSW 2428

Dawson Wastewater Treatment Plant

Off Brimbin Road

Cundletown NSW 2430

Environmental Protection licence number: 2531

Abbreviations-

TSS: Total Suspended Solids

BOD: Biochemical Oxygen Demand

FC: Faecal coliforms

EPA Monitoring Point 4, submerged outfall on the bed of the Manning River off Phillip St

Monthly Volume Monitoring Summary

Monitoring frequency: daily
maximum discharge limit 22750kL/day

	No of readings	Min kL/day	Average (kL/day)	Max (kL/day)	Compliance
Sep-15	30	0	3553	8293	yes
Oct-15	31	965	3237	9137	yes
Nov-15	30	3252	6035	9609	yes
Dec-15	31	888	4895	8887	yes
Jan-16	31	2029	6215	9637	yes
Feb-16	29	4182	5648	9220	yes
Mar-16	31	2814	3842	4974	yes
Apr-16	30	3155	3489	3957	yes
May-16	30	0	2130	3823	yes
Jun-16	31	655	5277	9299	yes
Jul-16	31	323	3820	5855	yes
Aug-16	31	3243	5082	8537	yes

Effluent Quality Monitoring Results

Monitoring frequency: monthly

Date sampled	Date obtained	pH	TSS (mg/L)	BOD (mg/L)	Nitrogen ammonia (mg/L)	Oil & Grease (mg/L)	Compliance
22-Sep-15	09-Oct-15	7.8	3	3	0.51	0	yes
20-Oct-15	16-Nov-15	8.1	2	2	0.07	0	yes
17-Nov-15	30-Nov-15	7.7	9	3	0.29	0	yes
15-Dec-15	04-Jan-16	8	4	4	0.19	0	yes
12-Jan-16	28-Jan-16	7.9	0	2	0.1	0	yes
09-Feb-16	24-Feb-16	7.8	3	0	0.56	0	yes
08-Mar-16	21-Mar-16	7.8	0	0	0.18	0	yes
05-Apr-16	18-Apr-16	8	0	0	1.03	0	yes
03-May-16	16-May-16	7.9	0	0	5.07	0	yes
31-May-16	20-Jun-16	8.1	0	0	0.12	0	yes
28-Jun-16	12-Jul-16	7.8	0	0	0.99	0	yes
26-Jul-16	08-Aug-16	8	0	0	0.21	0	yes
23-Aug-16	29-Sep-16	7.7	0	0	0.98	0	yes
Concentration limits	50%ile 90%ile 100%ile	20 30 6.5-8.5	20 30 35	5 10			
		Annual summary					
	minimum	7.7	0	0	0.07	0	
	average	7.89	1.6	1.1	0.79	0	
	maximum	8.1	9	4	5.07	0	yes
	50 percentile	7.9	0	0	0.29	0	yes
	90 percentile	8.1	4	3	1.022	0	yes

EPA Monitoring Point 1, Wet weather discharge to Browns Creek 2.5km upstream of the Manning River Discharges are intermittent

Non completed monthly summary indicates that no discharges occurred in that month

Monthly Volume Monitoring Summary

Daily when wastes are discharged, kilolitres per day.
No discharge limit

	No of readings	Min kL/day	Average (kL/day)	Max (kL/day)
Sep-15				
Oct-15				
Nov-15				
Dec-15				
Jan-16	1	154	154	154
Feb-16				
Mar-16				
Apr-16				
May-16				
Jun-16				
Jul-16				
Aug-16				

Effluent Quality Monitoring Results

*One sample per overflow event for 50 percent of the overflow events in reporting period.

*No licence concentration limit specified

Date sampled	Date obtained	BOD mg/L	TSS mg/L	O&G mg/L
06-Jan-16	19-Jan-16	7	28	5

No of discharge events	1
No samples required	0
No of samples taken	1

EPA Monitoring Point 2, Wet weather discharge to Dawson River Discharges are intermittent

Non completed monthly summary indicates no discharges in that month

Monthly Volume Monitoring Summary

Monitoring frequency: daily
maximum discharge limit 20000kL/day

	No of readings	Min kL/day	Average (kL/day)	Max (kL/day)	Compliance
Sep-15	30	0	35	0	yes
Oct-15	31	0	591	508	yes
Nov-15	30	0	475	11240	yes
Dec-15	31	0	1260	8618	yes
Jan-16	31	0	181	16620	yes
Feb-16	29	0	0	5244	yes
Mar-16	31	0	0	0	yes
Apr-16	30	0	0	0	yes
May-16	30	0	1170	0	yes
Jun-16	31	0	0	22420	no
Jul-16	31	0	974	0	yes
Aug-16	31	0		16305	yes

Effluent Quality Monitoring Results

*One sample per overflow event for 50 percent of the overflow events in reporting period.

*No licence concentration limit specified

Date sampled	Date obtained	BOD mg/L	TSS mg/L	O&G mg/L	FC cfu/100ml
16-Nov-15	26-Nov-15	4	8	<5	1200
23-Dec-15	07-Jan-16	2	4	<5	32000
05-Jan-16	19-Jan-16	3	5	<5	54000
06-Jun-16	23-Jun-16	<2	7	<5	19000
03-Aug-16	22-Aug-16	4	8	<5	73000

No of discharge events	8
No samples required	4
No of samples taken	5

Non-compliance comments:

The discharge limit of 20000kL from EPA point 2 was exceeded.
Localised flooding 135mm of rainfall during discharge exceedance.