

**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-17	30	0	1217	3054	yes
Oct-17	31	0	2732	8681	yes
Nov-17	30	0	2968	5882	yes
Dec-17	31	0	1199	4587	yes
Jan-18	31	0	1679	4191	yes
Feb-18	28	0	733	5339	yes
Mar-18	31	2151	6109	11181	yes
Apr-18	30	2710	5992	11076	yes
May-18	31	2707	4068	5968	yes
Jun-18	30	0	3271	8035	yes
Jul-18	31	0	4685	10411	yes
Aug-18	31	0	968	7456	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
19-Sep-17	09-Oct-17	8.1	2	3	0.21	0	yes
17-Oct-17	30-Oct-17	8	2	2	0.71	0	yes
14-Nov-17	27-Nov-17	7.8	5	2	1.61	0	yes
12-Dec-17	03-Jan-18	8.1	3	2	0.07	0	yes
09-Jan-18	29-Jan-18	8.8*	3	3	0.12	0	no
06-Feb-18	16-Feb-18	8.5	8	<2	0.13	0	yes
06-Mar-18	06-Mar-18	8.3	3	2	0.18	0	yes
04-Apr-18	19-Apr-18	8.1	4	<2	0.08	0	yes
01-May-18	21-May-18	7.8	7	<2	0.22	0	yes
29-May-18	18-Jun-18	8.4	<2	2	0.08	0	yes
26-Jun-18	12-Jul-18	7.9	<2	3	0.95	0	yes
24-Jul-18	01-Aug-18	8.1	<2	<2	0.10	0	yes
21-Aug-18	21-Aug-18	8.3	2	3	0.08	0	yes

  

		50%ile	20	20	Annual summary		
Concentration limits		90%ile	30	30	5		
		100%ile	6.5-8.5	35	35	10	
minimum		7.8	2	2	0.073	0	
average		8.12	3.9	2.4	0.35	0	
maximum		8.5	8	3	1.61	0	yes
50 percentile		8.1	3	2	0.13	0	yes
90 percentile		8.4	7	3	0.902	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-17	0			
Oct-17	0			
Nov-17	0			
Dec-17	0			
Jan-18	0			
Feb-18	0			
Mar-18	2	5968	12970	19971
Apr-18	0			
May-18	0			
Jun-18	0			
Jul-18	0			
Aug-18	0			

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	
23/Mar/18	10-Apr-18	6	15	<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-17	30			0	yes
Oct-17	31			0	yes
Nov-17	30			0	yes
Dec-17	31			0	yes
Jan-18	31			0	yes
Feb-18	28			0	yes
Mar-18	31	0	1479	23294	no
Apr-18	30			0	yes
May-18	31			0	yes
Jun-18	30			0	yes
Jul-18	31			0	yes
Aug-18	31			0	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
22-Mar-18	04-Apr-18	2	11	<5	86000

  

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

**Non-compliance comments:**

9/1/18 - pH 8.8, operators monitoring results are pH ~7.2 from the clarifier, effluent ~pH 8.2. Indicates increase in pH from effluent in tertiary pond, likely from algae growth. Though chlorophyll-a below 100ug/L  
 23/03/18 - discharge volume of 20000kL from EPA point 2 exceeded. Minor flood conditions. Lift pump to Manning River run at capacity. Excess flow discharges by gravity from this point.