

## 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						Effluent Quality Monitoring Results								
Monitoring frequency: daily maximum discharge limit 22750kL/day						Monitoring frequency: monthly								
	No of readings	Min kL/day	Average (kL/day)	Max (kL/day)	Compliance	Date sampled	Date obtained	pH	TSS (mg/L)	BOD (mg/L)	Nitrogen ammonia (mg/L)	Oil & Grease (mg/L)	Compliance	
Sep-16	30	3948	4023	4133	yes	20-Sep-16	29-Sep-16	7.9	0	3	0.3	0	yes	
Oct-16	31	0	3463	5153	yes	18-Oct-16	28-Oct-16	7.9	0	2	0.26	0	yes	
Nov-16	30	0	1431	5827	yes	15-Nov-16	01-Dec-16	8.1	5	3	0.1	0	yes	
Dec-16	31	0	808	3459	yes	13-Dec-16	03-Jan-17	8	0	3	0.14	0	yes	
Jan-17	31	0	1800	6918	yes	10-Jan-17	24-Jan-17	8	10	4	0.39	0	yes	
Feb-17	28	70	2044	5812	yes	07-Feb-17	24-Feb-17	8.3	6	3	0.25	0	yes	
Mar-17	31	3302	6145	9166	yes	07-Mar-17	20-Mar-17	8	5	3	0.31	0	yes	
Apr-17	30	0	6775	10726	yes	04-Apr-17	01-May-17	7.7	0	0	0.4	0	yes	
May-17	30	3240	3655	4326	yes	02-May-17	16-May-17	8.2	4	0	0.11	0	yes	
Jun-17	31	2376	5530	7591	yes	30-May-17	13-Jun-17	8.1	0	0	0.23	0	yes	
Jul-17	31	2988	4067	5148	yes	27-Jun-17	13-Jul-17	7.9	0	3	0.52	0	yes	
Aug-17	31	0	1758	10123	yes	25-Jul-17	07-Aug-17	7.9	0	2	1.24	0	yes	
						22-Aug-17	05-Sep-17	7.7	2	2	0.44	0	yes	
						50%ile		20	20					
						90%ile		30	30	5				
						Concentration limits		6.5-8.5	35	35	10			
						Annual summary								
						minimum	7.7	0	0	0.1	0			
						average	7.98	2.5	2.2	0.36	0			
						maximum	8.3	10	4	1.24	0	yes		
						50 percentile	8	0	3	0.3	0	yes		
						90 percentile	8.2	6	3	0.504	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					Effluent Quality Monitoring Results				
Daily when wastes are discharged, kilolitres per day. No discharge limit					*One sample per overflow event for 50 percent of the overflow events in reporting period. *No licence concentration limit specified				
	No of readings	Min kL/day	Average (kL/day)	Max (kL/day)	Date sampled	Date obtained	BOD mg/L	TSS mg/L	O&G mg/L
Sep-16					18-Mar-17	31-Mar-17	5	19	<5
Oct-16									
Nov-16									
Dec-16									
Jan-17									
Feb-17									
Mar-17	4	130	8673	17646					
Apr-17									
May-17									
Jun-17									
Jul-17									
Aug-17									
					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						Effluent Quality Monitoring Results					
Monitoring frequency: daily maximum discharge limit 20000kL/day						*One sample per overflow event for 50 percent of the overflow events in reporting period. *No licence concentration limit specified					
	No of readings	Min kL/day	Average (kL/day)	Max (kL/day)	Compliance	Date sampled	Date obtained	BOD mg/L	TSS mg/L	O&G mg/L	FC cfu/100ml
Sep-16	30					02-Mar-17	15-Mar-17	2	<2	<5	3100
Oct-16	31					17-Mar-17	31-Mar-17	2	6	<5	13000
Nov-16	30	0	17	488		15-Jun-17	28-Jun-17	2	4	<5	39000
Dec-16	31										
Jan-17	31										
Feb-17	29	0	33	934							
Mar-17	31	0	5284	26702	no						
Apr-17	30	0	1557	14079							
May-17	30										
Jun-17	31	0	721	12089							
Jul-17	31										
Aug-17	31										
						No of discharge events	5				
						No samples required	2				
						No of samples taken	3				

#### Non-compliance comments:

The discharge limit of 20000kL from EPA point 2 was exceeded.

Heavy and intense rainfall resulted with local flooding 328mm of rainfall 14/3-19/3/2017