

Mid-Coast Council

PO Box 482
Taree NSW 2430

Bulahdelah Sewage Treatment Plant

Pacific Hwy

Bulahdelah NSW 2423

Environmental Protection licence number: 5305

Licence anniversary date 6th December

Abbreviations-

TSS: Total Suspended Solids

BOD: Biochemical Oxygen Demand

FC: Faecal coliforms

EPA Monitoring Point 1, Discharge to Frys Creek

Effluent Quality Monitoring Results

Monitoring frequency: monthly

Date sampled	Date obtained	pH	TSS (mg/L)	BOD (mg/L)	Faecal Coliforms (cfu/100ml)	Nitrogen ammonia (mg/L)	Oxidised Nitrogen (mg/L)	Total Phosphorus (mg/L)	Oil & Grease (mg/L)	Total Aluminium (mg/L)	Compliance
6/12/2022	21/12/2022	7.9	7	3	1	0.07	2.8	0.12	<5	0.1	yes
04/01/2023	13/01/2023	8.2	13	3	2	0.02	1.05	0.24	<5	0.98	yes
7/02/2023	20/02/2023	7.9	2	2	2	0.02	2.64	0.13	<5	0.08	yes
7/03/2023	20/03/2023	7.8	2	2	1	0.02	4.36	0.17	<5	0.06	yes
12/04/2023	24/04/2023	7.3	2	2	1	0.04	3.7	0.15	<5	0.11	yes
9/05/2023	19/05/2023	7.4	2	2	1	<0.01	5.79	0.1	<5	0.07	yes
6/06/2023	20/06/2023	7.2	2	2	1	0.18	4.47	0.1	<5	0.15	yes
4/07/2023	25/07/2023	7.5	<2	<2	76	0.03	4.51	0.1	<5	0.1	yes
1/08/2023	9/09/2023	7.3	<2	<2	<1	0.02	3.6	0.11	<3	0.11	yes
5/09/2023	4/10/2023	7.5	4	4	1	0.01	4.36	0.17	<3	0.05	yes
4/10/2023	19/10/2023	7.5	<2	3	1	0.05	3.23	0.16	<3	0.07	yes
7/11/2023	21/11/2023	7.6	<2	<2	3	<0.01	5.45	0.13	<3	0.06	yes
50%ile			8	8				0.3			
Concentration	90%ile		30	10		0.5		0.5			
limits	100%ile	6.5-8.5	35	20	200	1	10	1	10	n/a	
Annual summary											
minimum		7.2	2	2	1	0.01	1.05	0.1	<5	0.054	
average		7.59	4.25	2.56	8.18	0.05	3.83	0.14	<5	0.16	
maximum		8.2	13	4	76	0.18	5.79	0.24	<5	0.98	
50 percentile		7.5	2	2	1	0.025	4.03	0.13			
90 percentile		7.9	8.8	3.2	3.0	0.1	5.4	0.2			

EPA Monitoring Point 2,

Discharge at V notch weir flow to Frys Creek

Monthly Volume Monitoring Summary

Monitoring frequency: daily

Discharge limit 2000kL

	No of readings	Average (kL/day)	Max (kL/day)	Compliance
Dec-22	31	201	395	yes
Jan-23	31	372	998	yes
Feb-23	28	176	558	yes
Mar-23	31	429	1387	yes
Apr-23	30	653	1773	yes
May-23	31	445	1412	yes
Jun-23	30	304	488	yes
Jul-23	31	280	537	yes
Aug-23	31	337	567	yes
Sep-23	30	153	328	yes
Oct-23	31	0	192	1329
Nov-23	30	122	433	1069

Non-compliance comments: