

Mid-Coast Council

PO Box 482
Taree NSW 2430

Stroud Sewage Treatment Plant

Off Simmsville Rd
Stroud NSW 2425

Environmental Protection licence number: 2561

Licence anniversary date

14th May

Abbreviations-

TSS: Total Suspended Solids

BOD: Biochemical Oxygen Demand

EPA Monitoring Point 2, Effluent quality monitoring, immediately after booster pump

Effluent Quality Monitoring Results

Monitoring frequency: monthly

Date sampled	Date obtained	pH	TSS (mg/L)	BOD (mg/L)	Faecal Coliforms	Nitrogen ammonia (mg/L)	Nitrogen total (mg/L)	Phosphorus total (mg/L)	Oil & Grease (mg/L)	River discharge yes/no
7-Jun-22	17/06/2022	7.9	5	4	<1	0.22	5.85	1.19	<5	yes
5-Jul-22	19/07/2022	8.1	4	2	<1	0.57	5.63	0.99	<5	yes
2-Aug-22	15/08/2022	7.8	<2	<2	<2	0.62	5.77	1.02	<5	yes
6-Sep-22	16/09/2022	8.6	4	<2	<1	0.52	5.25	1.03	<5	no
5-Oct-22	17/10/2022	8	<2	<2	<1	0.21	3.9	1.567	<5	yes
1-Nov-22	21/11/2022	7.7	<2	<2	2	0.98	3.98	1.53	<5	yes
6-Dec-22	22/12/2022	7.8	2	3	17	0.44	4.24	1.98	<5	yes
4-Jan-23	13/01/2023	7.7	28	4	<1	0.35	4.69	3.11	<5	no
7-Feb-23	20/02/2023	8.2	5	3	<1	1.19	4.73	1.98	<5	no
7-Mar-23	20/03/2023	7.8	2	<2	5	2.07	5.73	1.6	<5	yes
12-Apr-23	24/04/2023	7.8	4	3	<1	0.6	6.72	1.41	<5	yes
2/05/2023	15/05/2023	7.7	2	<2	<2	0.42	8.22	1.4	<5	
Concentration limits	90 %ile		15mg/L	10mg/L	200 cfu/100ml				7mg/L	
	100%ile		20mg/L	15mg/L	600cfu /100ml	2mg/L	10mg/L	4.4mg/L	10mg/L	

Note: the concentration limits relate to when discharges are occurring to the Karuah River from EPA point 1. Discharges occur during wet weather events only

Annual summary									
minimum		2	2	2	0.21	3.9	0.99	0	
average		6.22	3.17	8.00	0.68	5.39	1.57	#DIV/0!	
maximum		28	4	17	2.07	8.22	3.11	0	

Monthly Discharge Volume Monitoring Summary

Monitoring frequency: daily, Stroud discharges intermittently during wet weather

Discharge limit: 2000kL

	No of readings	Average (kL/day)	Max (kL/day)	Compliance
Jun-22	30	0	0	yes
Jul-22	31	578	1458	yes
Aug-22	31	84	1311	yes
Sep-22	30	340	1466	yes
Oct-22	31	167.3	1349	yes
Nov-22	30	24.1	419	yes
Dec-22	31	0	0	yes
Jan-23	31	0	0	yes
Feb-23	28	0	0	yes
Mar-23	31	42	688	yes
Apr-23	30	108	1179	yes
May-23	31			

Non-compliance comments:

July ph result 8.6. Daily pH samples taken during July discharges at Stroud STP were all below 8.5

March ammonia result 2.07 on 7/3/23. Discharge occurred on 30 and 31 st March. Operator ammonia results 0.21 and 0.17mg/L respectively.