Mid-Coast Council

PO Box 482
Taree NSW 2430

Hawks Nest Sewage Treatment Plant
Mungo Brush Rd
Hawks Nest NSW 2324

Environmental Protection licence number: 5909

Licence anniversary date **30th June**

Abbreviations-
TSS: Total Suspended Solids
BOD: Biochemical Oxygen Demand

EPA Monitoring Point 1,

Effluent Quality Monitoring

Effluent Quality Monitoring Results

Monitoring frequency:
Nitrogen ammonia, Nitrate, Nitrogen Total, Total Phosphorus, BOD, Faecal Coliforms, TSS, Oil and Grease- Monthly monightoring.

Date sampled	Date obtained	pH	TSS (mg/L)	BOD (mg/L)	Faecal Coliforms (cfu/100ml)	Nitrogen ammonia (mg/L)	Nitrate (mg/L)	Nitrogen Total (mg/L)	Total Phosphorus (mg/L)	Oil & Grease (mg/L)		Compliance
5/07/2022	19/07/2022	6.9	3	2	<1	0.52	2.62	4.19	0.71	<5		yes
2/08/2022	22/08/2022	7	2	2	<2	0.66	7.62	9.47	0.61	<3		yes
6/09/2022	27/09/2022	7.4	2	2	<2	0.56	2.7	4.71	0.58	<3		yes
5/10/2022	24/10/2022	7.1	2	2	<2	0.9	4.23	6.49	0.303	<3		no/yes repeat
1/11/2022	14/11/2022	7.2	2	2	<1	1.02	4.75	7.42	0.43	<3		yes
6/12/2022	21/12/2022	7.4	4	5	<1	0.32	3.18	5.21	0.58	<3		yes
17/01/2023	25/01/2023	7	16	3	<1	0.33	4.63	6.56	0.58	<3		yes
7/02/2023	20/02/2023	7.4	23	5	4	<0.01	2.82	5.27	0.62	<3		yes
7/03/2023	21/03/2023	7.3	2	2	6	0.17	4.21	5.8	0.42	<3		yes
12/04/2023	25/04/2023	7.2	2	2	<1	0.76	5.39	6.99	0.21	<5		yes
2/05/2023	15/05/2023	7.2	2	3	34	0.54	8.52	10.7	0.87	<3		yes
6/06/2023	20/06/2023	7.1	<2	2	<1	0.35	3.91	5.01	0.16	<3		yes
	90%ile	6.5-8.5	15	10	150	2		10	1	5		
	100%ile		30	20								
						Annual summary						
	minimum	6.9	2	2	4	0.17	2.62	4.19	0.16	<5		
	average	7.18	5.45	2.67	14.67	0.56	4.55	6.49	0.51	<5		
	maximum	7.4	23	5	34	1.02	8.52	10.7	0.87	<5		
	90 percentile	7.4	16.0	4.8	28.4	0.9	7.4	9.3	0.7			

Monthly Volume Monitoring Summary

Monitoring frequency: daily
Discharge limit: 10000kL a day

	No of readings	Min kL/day	Average (kL/day)	Max (kL/day)	Compliance
Jul-22	31	855	1574	4230	yes
Aug-22	31	12.2	947	1550	yes
Sep-22	30	292	886	1363	yes
Oct-22	31	436	862	1585	yes
Nov-22	30	163	584	1112	yes
Dec-22	31	0	533	1149	yes
Jan-23	31	335	969.5	1495	yes
Feb-23	28	432	950	1275	yes
Mar-23	31	870	980	1115	yes
Apr-23	30	937	1148	1607	yes
May-23	31	860	997	1290	yes
Jun-23	30				

Non-compliance comments:
Two dead tortises found in UV chamber. Resampled FC 11/10- result <2 cfu/100ml