

Mid-Coast Council

PO Box 482
Taree NSW 2430

Harrington Wastewater Treatment Plant
Off Industrial Road
Harrington NSW 2427

Environmental Protection licence number: 2505, anniversary date 1- August

Abbreviations-

TSS: Total Suspended Solids

BOD: Biochemical Oxygen Demand

FC: Faecal coliforms

EPA Monitoring Point 1, at Catch pond following clarifiers, immediately upstream of exfiltration ponds

Effluent Quality Monitoring Results

Monitoring frequency: monthly

Date sampled	Date obtained	pH	TSS (mg/L)	BOD (mg/L)	Faecal Coliforms cfu/100ml	Enterococci cfu/100ml	Nitrogen ammonia (mg/L)	Total Nitrogen mg/L	Total Phosphorus mg/L	Compliance
1/08/2023	21/08/2023	7.4	<2	<2	39000	~4900	0.15	4.24	4.97	yes
05/09/2023	5/10/2023	7.5	2	3	~54000	~7600	0.16	2.53	4.12	yes
04/10/2023	24/10/2023	7.5	2	<2	~7000	640	0.72	3.55	4.99	yes
7/11/2023	23/11/2023	7.3	2	2	~20 000	3900	0.14	5.9	4.21	yes
5/12/2023	15/12/2023	7.4	<2	2	~17000	~1800	0.36	2.77	4.17	yes
03/01/2024	25/01/2024	7.4	3	6	~16000	~1600	1.49	5.44	5.97	yes
6/02/2024	16/02/2024	7.5	3	<2	40000	7000	0.36	4.56	4.62	yes
5/03/2024	19/03/2024	7.3	5	<2	~18000	1200	0.19	6.08	3.46	yes
9/04/2024	22/04/2024	7.3	4	<2	~14000	~1800	0.17	4.54	3.16	yes
7/05/2024	14/05/2024	7.2	<2	<2	21000	1100	0.09	4.78	2.91	yes
4/06/2024	18/06/2024	7.2	<2	<2	9900	1200	0.05	5.18	2.55	yes
2/07/2024	12/07/2024	7.3	3	3	~5000	3200	0.58	4.61	2.8	yes

100%ile limit	6.5-8.5	30	20	n/a	n/a	n/a	n/a	n/a	n/a
Annual summary									
minimum	7.2	2.0	2.0	9900	640	0.1	2.5	2.6	
average	7.36	3.0	3.2	27475	2606	0.4	4.5	4.0	
maximum	7.5	5	6	40000	7000	1.49	6.08	5.97	

EPA Monitoring Point 2,

discharge flow from premises to wetlands, downstream of exfiltration ponds

Effluent Quality Monitoring Results

Monitoring frequency: monthly

Date sampled	Date obtained	pH	TSS (mg/L)	BOD (mg/L)	Faecal Coliforms cfu/100ml	Enterococci cfu/100ml	Nitrogen ammonia (mg/L)	Total Nitrogen mg/L	Total Phosphorus mg/L
1/08/2023	21/08/2023	7.8	<2	2	~370	48	<0.01	3.48	4.58
05/09/2023	5/10/2023	8.0	<2	3	~40	<4	<0.01	1.4	4.03
04/10/2023	24/10/2023	7.9	2	5	6300	66	<0.01	1.51	3.97
07/11/2023	23/11/2023	7.8	<2	<2	~100	68	0.06	3.14	4.7
05/12/2023	15/12/2023	7.8	<2	<2	310	38	0.06	1.95	4.33
03/01/2024	25/01/2024	7.7	2	7	~7000	<1	0.23	2.58	4.75
6/02/2024	16/02/2024	7.8	5	3	~68	~1600	0.22	3.44	5.21
5/03/2024	19/03/2024	7.8	6	3	~64	~840	0.72	2.62	4.03
9/04/2024	22/04/2024	8.2	6	6	~4400	~1600	0.01	3.08	3.52
7/05/2024	14/05/2024	7.7	2	<2	~300	22	0.16	3.33	3.65
4/06/2024	18/06/2024	7.5	<2	<2	88	<4	0.19	4.53	3.55
2/07/2024	12/07/2024	7.6	2	7	3400	58	0.11	3.74	3.15

No concentration limits from this point

Annual summary									
minimum	7.5	2	2	88	22	0.01	1.4	3.15	
average	7.80	3.57	4.50	2525	50	0.20	2.90	4.12	
maximum	8.2	6	7	6300	68	0.72	4.53	5.21	

Monthly Volume Monitoring Summary

Monitoring frequency: daily

	No of readings	Min kL/day	Average (kL/day)	Max (kL/day)
Aug-22	31	599	665	708
Sep-22	30	375	532	704
Oct-22	31	403	596	1267
Nov-22	30	523	812	1382
Dec-22	31	464	809	1229
Jan-23	31	682	854	1201
Feb-23	29	642	1072	2461
Mar-23	31	719	885	1107
Apr-23	30	776	1264	2561
May-23	31	836	1229	2275
Jun-23	30	897	1170	2116
Jul-23	31	887	1208	2039

Non-compliance comments: