

## 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
2/08/2022	22/08/2022	7.3	3	<2	~8700	~2100	0.09	4.22	2.79	yes
06/09/2022	26/09/2022	7.8	2	<2	~17000	~1400	0.14	3.38	3.5	yes
05/10/2022	19/10/2022	7.4	<2	<2	~14000	2500	0.3	7.66	3.942	yes
1/11/2022	15/11/2022	7.3	<2	<2	~4200	~1300	0.16	5.51	3.32	yes
6/12/2022	21/12/2022	7.4	<2	2	~14000	~510	0.19	4.27	4.15	yes
10/01/2023	19/01/2023	7.5	2	2	~3800	320	0.92	2.59	4.1	yes
7/02/2023	20/02/2023	7.4	2	<2	~2600	460	0.18	7.48	5.08	yes
7/03/2023	20/03/2023	7.5	<2	<2	18000	780	0.26	2.73	2.81	yes
12/04/2023	21/04/2023	7.2	2	<2	~18000	~2000	0.13	9.32	2.67	yes
2/05/2023	25/05/2023	7.4	2	2	~16000	4700	0.11	6.81	3.84	yes
6/06/2023	27/06/2023	7.5	3	3	2900	1100	0.47	4.86	4.41	yes
4/07/2023	18/07/2023	7.4	2	2	33000	~9600	0.2	7.32	4	yes

100%ile limit 6.5-8.5 30 20 n/a n/a n/a n/a n/a

#### Annual summary

minimum	7.2	2.0	2.0	2900	320	0.1	2.6	2.7
average	7.43	2.3	2.2	17967	1643	0.3	5.5	3.7
maximum	7.8	3	3	33000	4700	0.92	9.32	5.08

### 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
2/08/2022	22/08/2022	7.3	<2	<2	48	~8	0.21	2.41	2.54
06/09/2022	26/09/2022	7.7	2	<2	~72	~12	0.23	1.94	3.28
05/10/2022	19/10/2022	7.6	8	10	~12000	44	0.14	3.12	3.539
01/11/2022	15/11/2022	7.4	<2	<2	150	~32	0.44	2.15	3.19
06/12/2022	21/12/2022	7.4	7	8	~420	4	0.22	2.06	4.22
10/01/2023	19/01/2023	7.6	14	6	64	~2	1.27	3.03	5.03
7/02/2023	20/02/2023	7.3	8	5	2500	40	1.01	2.7	4.74
7/03/2023	20/03/2023	7.3	2	9	250	34	0.84	3.36	4.31
12/04/2023	21/04/2023	7.6	6	3	2100	13	0.27	5.2	2.61
2/05/2023	25/05/2023	7.8	2	4	4000	24	0.16	2.75	3.63
6/06/2023	27/06/2023	7.7	<2	2	~590	82	0.2	2.24	3.93
4/07/2023	18/07/2023	7.8	<2	5	~900	150	0.07	4.33	4.29

No concentration limits from this point

#### Annual summary

minimum	7.3	2	2	48	4	0.07	1.9	2.54
average	7.54	6.13	5.78	1302	49	0.42	2.94	3.78
maximum	7.8	14	10	4000	150	1.27	5.2	5.03

### Monthly Volume Monitoring Summary

Monitoring frequency: daily

	No of readings	Min kL/day	Average (kL/day)	Max (kL/day)
Aug-22	31	750	834.2	961
Sep-21	30	739	1052.5	2378
Oct-21	31	919	1215	2253
Nov-21	30	829	966	1327
Dec-21	31	765	936	1160
Jan-22	31	971	1120	1504
Feb-22	28	754	834	1013
Mar-22	31	754	1107	2677
Apr-22	30	997	1538	3394
May-22	31	725	863	1121
Jun-22	30	627	721	804
Jul-22	31	514	750	1375

Non-compliance comments: