

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
17/08/2021	31/08/2021	7.5	<2	<2	~13000	~900	0.39	4.09	3.76	yes
14/09/2021	27/09/2021	7.5	<2	<2	~2700	230	0.1	4.65	3.39	yes
12/10/2021	21/10/2021	7.4	2	<2	~5000	~330	0.42	6.29	4.73	yes
9/11/2021	19/11/2021	7.4	<2	<2	~21000	~1000	0.4	2.81	3.89	yes
7/12/2021	21/12/2021	7.5	<2	<2	~6000	~17000	2.27	5.36	3.15	yes
05/01/2022	20/01/2022	7.4	<2	<2	~5000	~140	0.36	5.37	5.56	yes
1/02/2022	14/02/2022	7.4	<2	<2	~10000	130	0.39	3.03	4.23	yes
1/03/2022	17/03/2022	7.3	<2	<2	~21000	~440	0.23	4.38	2.51	yes
5/04/2022	19/04/2022	7.2	2	<2	~17000	~1500	0.1	3.88	1.11	yes
3/05/2022	16/05/2022	7.4	<2	<2	20000	1500	0.09	4.45	2.59	yes
7/06/2022	17/06/2022	7.3	2	2	~10000	800	0.12	5	1.89	yes
5/07/2022	19/07/2022	7.3	<2	<2	~8000	~960	1.95	10	5.48	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	20000	130	0.1	2.8	1.1	
average	7.38	2.0	2.0	20000	665	0.6	4.9	3.5	
maximum	7.5	2	2	20000	1500	2.27	10	5.56	

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
17/08/2021	31/08/2021	7.4	<2	<2	~56	<2	0.34	2.61	3.33
14/09/2021	27/09/2021	7.6	2	6	130	<1	0.03	1.75	3.15
12/10/2021	21/10/2021	7.6	3	6	420	6	0.08	1.92	4.12
09/11/2021	19/11/2021	7.5	4	6	~2900	~24	0.17	1.54	4.12
07/12/2021	21/12/2021	7.2	2	2	450	220	1.09	2.18	3.79
05/01/2022	20/01/2022	7.2	3	2	160	34	0.87	2.66	4.47
1/02/2022	14/02/2022	7.2	<2	2	270	22	0.28	3	4.35
1/03/2022	17/03/2022	7.1	2	<2	~2800	54	0.82	1.78	2.74
5/04/2022	19/04/2022	7.0	<2	<2	~3400	190	1.22	2.85	1.59
3/05/2022	16/05/2022	7.4	4	5	~800	220	0.29	1.6	2.19
7/06/2022	17/06/2022	7.2	3	<2	~180	12	0.54	4.11	3.3
5/07/2022	19/07/2022	7.6	2	5	~350	~44	0.28	4.25	2.6

No concentration limits from this point

Annual summary									
minimum	7	2	2	130	6	0.03	1.5	1.59	
average	7.33	2.78	4.25	286	95	0.50	2.52	3.31	
maximum	7.6	4	6	450	220	1.22	4.25	4.47	

Monthly Volume Monitoring Summary

Monitoring frequency: daily

	No of readings	Min kL/day	Average (kL/day)	Max (kL/day)
Aug-21	31	541	637	863
Sep-21	30	520	613	733
Oct-21	31	570	723	1097
Nov-21	30	613	943	1480
Dec-21	31	919	1356	10006
Jan-22	31	865	1049	1319
Feb-22	28	917	1245	2166
Mar-22	31	1211	2100	3423
Apr-22	30	1265	1754	2527
May-22	31	488	1048	1511
Jun-22	30	683	811	965
Jul-22	31			

Non-compliance comments: