

Mid-Coast Council

PO Box 450

Forster NSW 2428

Harrington Wastewater Treatment Plant

Off Industrial Road

Harrington NSW 2427

Environmental Protection licence number: 2505

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
18/08/2020	31/08/2020	7.4	2	2	51000	5700	0.36	3.88	1.64	yes
15/09/2020	24/09/2020	7.5	2	2	2100	180	0.3	2.94	4.07	yes
13/10/2020	9/11/2020	7.6	6	4	115000	16000	1.36	2.75	2.78	yes
10/11/2020	19/11/2020	7.5	3	<2	29000	4000	0.3	3.29	3.92	yes
8/12/2020	22/12/2020	7.5	5	2	14000	550	0.31	6.18	5.78	yes
05/01/2021	20/01/2021	7.3	2	<2	11000	240	1.44	5.16	3.51	yes
100%ile limit		6.5-8.5	30	20	n/a	n/a	n/a	n/a	n/a	
Annual summary										
	minimum	7.3	2.0	2.0	2100	180	0.3	2.8	1.6	
	average	7.47	3.3	2.5	37017	4445	0.7	4.0	3.6	
	maximum	7.6	6	4	115000	16000	1.44	6.18	5.78	

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	
18/08/2020	31/08/2020	7.4	2	3	290	16	0.1	3.48	2.46	
15/09/2020	24/09/2020	7.3	2	2	10	4	0.17	3.25	3.77	
13/10/2020	9/11/2020	7.4	5	8	6000	350	2.99	4.57	4.54	
10/11/2020	19/11/2020	7.3	11	6	4900	420	1.7	3.24	4.39	
08/12/2020	22/12/2020	7.2	4	3	4000	84	0.84	2.12	5.08	
05/01/2021	20/01/2021	7.4	2	4	5400	~16	2.68	4.19	3.59	
No concentration limits from this point										
Annual summary										
	minimum	7.2	2	2	10	4	0.1	2.1	2.46	
	average	7.33	4.33	4.33	3433	175	1.41	3.48	3.97	
	maximum	7.4	11	8	6000	420	2.99	4.57	5.08	

Non-compliance comments: