

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
20/08/2019	10/09/2020	7.3	3	0	5400		0.13	7.13	4.03	yes
17/09/2019	25/11/2020	7.4	2	2	7000		0.09	8.37	4.37	yes
15/10/2019	25/11/2020	7.5	5	4	8000	770	0.06	4.92	4.78	yes
19/11/2019	10/12/2020	7.5	5	2	4000	600	0.17	3.3	2.74	yes
10/12/2019	6/01/2020	7.3	2	0	26000	3700	0.196	13.9	6.14	yes
14/01/2020	24/01/2020	7.1	1	0	4000	790	1.33	17.7	8.58	yes
04/02/2020	24/02/200	7.4	1	0	3600	960	0.31	7.74	5.46	yes
03/03/2020	16/03/2020	7.5	4	0	8700	1400	0.22	5.87	3.48	yes
31/03/2020	15/04/2020	7	4	0	23000	2400	0.08	5.9	2.12	yes
28/04/2020	18/06/2020	7.4	4	0	38000	1000	0.09	7.57	3.74	yes
26/05/2020	18/06/2020	7.5	2	0	28000	4600	0.04	4.44	3.06	yes
23/06/2020	7/07/2020	7.4	1	0	~19000	3600	0.15	5.3	3.18	yes
21/07/2020	10/08/2020	7.4	5	2	~127000	~19000	1.39	3.13	1.91	yes
100%ile limit		6.5-8.5	30	20	n/a	n/a	n/a	n/a	n/a	
Annual summary										
	minimum	7.1	1.0	0.0	3600.0	600.0	0.0	3.1	1.9	
	average	7.39	3.0	0.8	14154.5	1982.0	0.3	7.3	4.1	
	maximum	7.5	5	4	38000	4600	1.39	17.7	8.58	

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)	Enterococci cfu/100ml	Faecal Coliforms cfu/100ml	Nitrogen ammonia (mg/L)	Total Nitrogen mg/L	Total Phosphorus mg/L
20/08/2019	10/09/2020	7.4	0	1	74	8	0.06	8.0	3.7
17/09/2019	25/11/2020	7.5	2	4	<100	12	0.04	4.2	3.8
15/10/2019	25/11/2020	7.5	0	2	3	1	0.06	5.37	3.7
19/11/2019	10/12/2020	7.6	2	4	4	8	0.17	1.64	3.7
10/12/2019	6/01/2020	7.3	0	1	4	4	0.32	2.06	5.60
14/01/2020	24/01/2020	7.2	5	>18	2300	230	0.78	2.33	6.97
04/02/2020	24/02/200	7.2	6	4	130	20	0.54	1.97	5.79
03/03/2020	16/03/2020	7.5	0	2	160	44	0.08	3.43	2.92
31/03/2020	15/04/2020	7.2	2	1	~2200	~170	0.27	3.55	2.57
28/04/2020	18/06/2020	7.3	0	3	~30000	~36	0.21	3.24	2.99
26/05/2020	18/06/2020	7.3	0	1	130	36	0.12	1.96	3
23/06/2020	7/07/2020	7.2	0	1	240	42	0.32	2.75	3.12
21/07/2020	10/08/2020	7.2	0	1	290	74	1.75	3.79	2.56
No concentration limits from this point									
Annual summary									
	minimum	7.2	0	1	3	1	0.04	1.64	2.56
	average	7.34	1.31	2.08	333.50	43.55	0.36	3.41	3.88
	maximum	7.6	6	4	2300	230	1.75	8.02	6.97

Non-compliance comments: