

## Mid-Coast Council

PO Box 482

Taree NSW 2430

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
2/02/2021	12/02/2021	7.5	<2	<2	~9000	2700	0.17	5.4	3.61	yes
2/03/2021	15/03/2021	7.4	<2	<2	620	160	0.1	3.09	2.19	yes
31/03/2021	14/04/2021	7.4	3	<2	33000	2000	0.11	5.3	1.52	yes
27/04/2021	5/05/2021	7.4	3	3	21000	540	0.28	2.35	2.01	yes
25/05/2021	10/06/2021	7.4	<2	<2	~17000	~1700	0.09	3.98	2	yes
22/06/2021	1/07/2021	7.4	<2	<2	31000	2500	0.06	3.52	1.62	yes
20/07/2021	16/08/2021	7.3	<2	<2	21000	~1900	0.14	6.21	2.64	yes
100%ile limit		6.5-8.5	30	20	n/a	n/a	n/a	n/a	n/a	
<b>Annual summary</b>										
	minimum	7.3	2.0	2.0	620	160	0.1	2.4	1.5	
	average	7.43	3.3	2.4	23590	1857	0.4	4.2	2.9	
	maximum	7.6	6	4	51000	5700	1.44	6.21	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	
2/02/2021	12/02/2021	7.5	<2	4	5700	<2	0.37	1.56	3.31	
2/03/2021	15/03/2021	7.3	2	2	100	16	0.53	1.82	2.45	
31/03/2021	14/04/2021	7.3	2	5	140000	96	1.4	3.02	1.61	
27/04/2021	5/05/2021	7.5	2	2	18000	560	0.28	2.17	2.11	
25/05/2021	10/06/2021	7.4	2	5	~2600	16	0.52	2.56	2.6	
22/06/2021	1/07/2021	7.5	2	2	270	46	0.09	3.48	1.48	
20/07/2021	16/08/2021	7.5	<2	4	~310	~28	0.32	3.09	2.26	
No concentration limits from this point										
<b>Annual summary</b>										
	minimum	7.2	2	2	100	16	0.09	1.6	1.48	
	average	7.38	3.27	3.85	19851	157	0.92	2.97	3.05	
	maximum	7.5	11	8	140000	560	2.99	4.57	5.08	

Non-compliance comments: