

Barter Enterprises Pty Limited
Hawthorne St, Beresfield NSW 2322
EPL: 1329

Monthly Summary May-19
Published 25/06/2019

Licence condition M2.2
Discharge to waters effluent quality monitoring results
EPA identification point no. 1

Date Sampled	Date obtained	Monitoring frequency	Pollutant	Units	Analysis result	100 percentile concentration limit	Exceedance (Y/N)
14/05/2019	17/06/2019	Fortnightly	Potential Hydrogen	pH	7.7	6.5 - 8.5	N
14/05/2019	17/06/2019	Fortnightly	Total Suspended Solids	mg/L	84	100	N
14/05/2019	17/06/2019	Fortnightly	Biochemical Oxygen Demand	mg/L	28	80	N
14/05/2019	17/06/2019	Fortnightly	Temperature	degrees Celsius	16.5	30	N
14/05/2019	17/06/2019	Fortnightly	Nitrogen Ammonia	mg/L	148	-	N
14/05/2019	17/06/2019	Fortnightly	Total Nitrogen	mg/L	179	-	N
14/05/2019	17/06/2019	Fortnightly	Total Phosphorus	mg/L	32.6	-	N
28/05/2019	17/06/2019	Fortnightly	Potential Hydrogen	pH	7.78	6.5 - 8.5	N
28/05/2019	17/06/2019	Fortnightly	Total Suspended Solids	mg/L	64	100	Y
28/05/2019	17/06/2019	Fortnightly	Biochemical Oxygen Demand	mg/L	74	80	N
28/05/2019	17/06/2019	Fortnightly	Temperature	degrees Celsius	15.5	30	N
28/05/2019	17/06/2019	Fortnightly	Nitrogen Ammonia	mg/L	166	-	N
28/05/2019	17/06/2019	Fortnightly	Total Nitrogen	mg/L	188	-	N
28/05/2019	17/06/2019	Fortnightly	Total Phosphorus	mg/L	37	-	N

L3 - Load limits

Pollutant	Units of measure	50 Percentile concentration limit	90 Percentile concentration limit	100 Percentile concentration limit
BOD	milligrams per litre	40	60	80
pH	pH			6.5 - 8.5
Temperature	degrees Celsius			30
TSS	milligrams per litre	50	90	100

Summary of results during reporting period 31 May 2018 - 30 May 2019

	pH	TSS mg/L	BOD mg/L	Nitrogen Ammonia	Total Nitrogen	Total Phosphorus	Temperature
Lowest Sample Value	7.22	41	9	142	148	25.6	12
Mean Sample Value	7.82	68	37	186	198	37.2	20
50 Percentile concentration	-	64	37	-	-	-	-
90 percentile concentration	-	89.6	48.5	-	-	-	-
Highest Sample Value	7.98	108	74	237	250	48.1	28

Licence condition M6.1

Daily discharge flows to water

EPA identification point no. 1

Date	Monitoring frequency	Discharge (kL/day)	Volume/Mass limit (kL/day)	Exceedance (Y/N)
1/05/2019	Continuous	2649.49	2300	Y
2/05/2019	Continuous	2690.07	2300	Y
3/05/2019	Continuous	2284.09	2300	N
4/05/2019	Continuous	3285.93	2300	Y
5/05/2019	Continuous	2578.53	2300	Y
6/05/2019	Continuous	2197.76	2300	N
7/05/2019	Continuous	3067.13	2300	Y
8/05/2019	Continuous	2492.84	2300	Y
9/05/2019	Continuous	2118.28	2300	N
10/05/2019	Continuous	2220.88	2300	N
11/05/2019	Continuous	2263.23	2300	N
12/05/2019	Continuous	3454.7	2300	Y
13/05/2019	Continuous	2600.92	2300	Y
14/05/2019	Continuous	2288.94	2300	N
15/05/2019	Continuous	2641.17	2300	Y
16/05/2019	Continuous	2528.21	2300	Y
17/05/2019	Continuous	2765.26	2300	Y
18/05/2019	Continuous	2103.36	2300	N
19/05/2019	Continuous	2151.23	2300	N
20/05/2019	Continuous	2245.27	2300	N
21/05/2019	Continuous	2170.68	2300	N
22/05/2019	Continuous	2040.44	2300	N
23/05/2019	Continuous	2260.37	2300	N
24/05/2019	Continuous	3072.11	2300	Y
25/05/2019	Continuous	3309.74	2300	Y
26/05/2019	Continuous	2286.67	2300	N
27/05/2019	Continuous	2470.96	2300	Y
28/05/2019	Continuous	2158.96	2300	N
29/05/2019	Continuous	2295.72	2300	N
30/05/2019	Continuous	2179.27	2300	N
31/05/2019	Continuous	3283.14	2300	Y