

MERRIWA SEWAGE TREATMENT WORKS - LICENCE TESTING
OUTLET OF FINAL TERTIARY POND -EPA LICENCE TESTING
Monitoring Point 1

Licence No: 4661

Date Sampled			5/Feb/19	14/May/19	13/Aug/19	27/Nov/19						
Effective Month			Feb/19	May/19	Aug/19	Nov/19						
Parameters Monitored	100 percentile limits	90 percentile limit					Min	Average	Max	Licence Period		
	License Limi (mg/l)	PQL limits (mg/l)								50%	90%	
BOD5	20		19.00	20.00	6.00	34.00	4	6.00	19.75	34.00	19.5	29.8
Enterococci				160.00	680.00	2800.00	3	160.00	1213.33	2800.00		
Faecal Coliforms				4800.00	1000.00	2700.00	3	1000.00	2833.33	4800.00		
Nitrogen (Ammonia)			0.47	3.60	21.40	2.63	4	0.47	7.03	21.40	3.115	16.06
Nitrogen (Total)			7.57	14.30	25.40	16.73	4	7.57	16.00	25.40	15.515	22.799
Oil and Grease	10		2.00	2.00	2.00	5.00	4	2.00	2.75	5.00	2	4.1
Total Phosphorus			3.30	2.20	5.16	2.76	4	2.20	3.36	5.16	3.03	4.602
Total Suspended Solids	30		74.00	58.00	26.00	61.00	4	26.00	54.75	74.00	59.5	70.1

 Indicates results exceed the licence limits Indicates result was < the number given

MERRIWA RIVER - UPSTREAM -EPA LICENCE TESTING
Monitoring Point 3

Date Sampled			5/Feb/19	14/May/19	13/Aug/19	27/Nov/19						
Effective Month			Feb/19	May/19	Aug/19	Nov/19						
Parameters Monitored	100 percentile limits	90 percentile limit					Min	Average	Max	Licence Period		
	License Limi (mg/l)	PQL limits (mg/l)								50%	90%	
BOD5			3.00	4.00	2.00	2.00	4	2.00	2.75	4.00	2.5	3.7
Nitrogen (Ammonia)			0.05	0.05	0.07	0.06	4	0.05	0.06	0.07	0.055	0.067
Nitrogen (Total)			1.35	1.15	0.70	0.66	4	0.66	0.97	1.35	0.925	1.29
Oil and Grease			2.00	2.00	2.00	2.00	4	2.00	2.00	2.00	2	2
Total Phosphorus			0.22	0.18	0.20	0.25	4	0.18	0.21	0.25	0.21	0.241
Total Suspended Solids			18.00	16.00	17.00	4.00	4	4.00	13.75	18.00	16.5	17.7

 Indicates result was < the number given

MERRIWA RIVER - DOWNSTREAM -EPA LICENCE TESTING
Monitoring Point 4

Date Sampled			5/Feb/19	14/May/19	13/Aug/19	27/Nov/19						
Effective Month			Feb/19	May/19	Aug/19	Nov/19						
Parameters Monitored	100 percentile limits	90 percentile limit					Min	Average	Max	Licence Period		
	License Limi (mg/l)	PQL limits (mg/l)								50%	90%	
BOD5			2.00	2.00	2.00	2.00	4	2.00	2.00	2.00	2	2
Nitrogen (Ammonia)			0.05	0.08	0.05	0.05	4	0.05	0.06	0.08	0.05	0.071
Nitrogen (Total)			0.65	0.58	0.20	0.45	4	0.20	0.47	0.65	0.515	0.629
Oil and Grease			2.00	2.00	2.00	2.00	4	2.00	2.00	2.00	2	2
Total Phosphorus			0.20	0.21	0.13	0.10	4	0.10	0.16	0.21	0.165	0.207
Total Suspended Solids			24.00	19.00	6.00	5.00	4	5.00	13.50	24.00	12.5	22.5

 Indicates result was < the number given