

**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	1/Nov/19						Licence Period		
Effective Month			Feb/19	May/19	Aug/19	Nov/19	Min	Average	Max	50%	90%			
Parameters Monitored	100 percentile limits	90 percentile limit												
	License Limi (mg/l)	PQL limits (mg/l)												
BOD5	20		19.00	20.00	6.00		3	6.00	15.00	20.00			19	19.8
Nitrogen (Ammonia)			0.47	3.60	21.40		3	0.47	8.49	21.40			3.6	17.84
Nitrogen (Total)			7.57	14.30	25.40		3	7.57	15.76	25.40			14.3	23.18
Oil and Grease	10		2.00	2.00	2.00		3	2.00	2.00	2.00			2	2
Total Phosphorus			3.30	2.20	5.16		3	2.20	3.55	5.16			3.3	4.788
Total Suspended Solids	30		74.00	58.00	26.00		3	26.00	52.67	74.00			58	70.8

 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	1/Nov/19						Licence Period		
Effective Month			Feb/19	May/19	Aug/19	Nov/19	Min	Average	Max	50%	90%			
Parameters Monitored	100 percentile limits	90 percentile limit												
	License Limi (mg/l)	PQL limits (mg/l)												
BOD5			3.00	4.00	2.00		3	2.00	3.00	4.00			3	3.8
Nitrogen (Ammonia)			0.05	0.05	0.07		3	0.05	0.06	0.07			0.05	0.066
Nitrogen (Total)			1.35	1.15	0.70		3	0.70	1.07	1.35			1.15	1.31
Oil and Grease			2.00	2.00	2.00		3	2.00	2.00	2.00			2	2
Total Phosphorus			0.22	0.18	0.20		3	0.18	0.20	0.22			0.2	0.216
Total Suspended Solids			18.00	16.00	17.00		3	16.00	17.00	18.00			17	17.8

 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	1/Nov/19						Licence Period		
Effective Month			Feb/19	May/19	Aug/19	Nov/19	Min	Average	Max	50%	90%			
Parameters Monitored	100 percentile limits	90 percentile limit												
	License Limi (mg/l)	PQL limits (mg/l)												
BOD5			2.00	2.00	2.00		3	2.00	2.00	2.00			2	2
Nitrogen (Ammonia)			0.05	0.08	0.05		3	0.05	0.06	0.08			0.05	0.074
Nitrogen (Total)			0.65	0.58	0.20		3	0.20	0.48	0.65			0.58	0.636
Oil and Grease			2.00	2.00	2.00		3	2.00	2.00	2.00			2	2
Total Phosphorus			0.20	0.21	0.13		3	0.13	0.18	0.21			0.2	0.208
Total Suspended Solids			24.00	19.00	6.00		3	6.00	16.33	24.00			19	23

 Indicates result was < the number given