

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

Licence No: 4661

Date Sampled Effective Month			21/Jan/20 Jan/20	5/May/20 May/20	11/Aug/20 Aug/20	10/Nov/20 Nov/20						
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		26.00	15.00	27.00	36.00	4	15.00	26.00	36.00	26.5	33.3
Enterococci			2900.00	720.00	640.00	2700.00	4	640.00	1740.00	2900.00	1710	2840
Faecal Coliforms			6400.00	910.00	4000.00	7000.00	4	910.00	4577.50	7000.00	5200	6820
Nitrogen (Ammonia)			0.20	0.05	5.63	0.50	4	0.05	1.60	5.63	0.35	4.091
Nitrogen (Total)			9.00	2.65	7.50	9.59	4	2.65	7.19	9.59	8.25	9.413
Oil and Grease	10		2.00	2.00	5.00	2.00	4	2.00	2.75	5.00	2	4.1
Total Phosphorus			3.01	1.30	2.26	3.10	4	1.30	2.42	3.10	2.635	3.073
Total Suspended Solids	30		72.00	42.00	34.00	128.00	4	34.00	69.00	128.00	57	111.2

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

**MERRIWA RIVER - UPSTREAM -EPA LICENCE TESTING
Monitoring Point 3**

Date Sampled Effective Month			21/Jan/20 Jan/20	5/May/20 May/20	11/Aug/20 Aug/20	10/Nov/20 Nov/20						
Parameters Monitored	100 percentile limits	90 percentile limit					Min	Average	Max	Licence Period		
	License Limi (mg/l)	PQL limits (mg/l)								50%	90%	
BOD5			4.00	4.00	3.00	4.00	4	3.00	3.75	4.00	4	4
Nitrogen (Ammonia)			0.05	0.19	0.52	0.69	4	0.05	0.36	0.69	0.355	0.639
Nitrogen (Total)			1.15	0.69	0.20	1.49	4	0.20	0.88	1.49	0.92	1.388
Oil and Grease			2.00	2.00	5.00	2.00	4	2.00	2.75	5.00	2	4.1
Total Phosphorus			0.27	0.41	0.24	0.31	4	0.24	0.31	0.41	0.29	0.38
Total Suspended Solids			16.00	122.00	34.00	63.00	4	16.00	58.75	122.00	48.5	104.3

Indicates result was < the number given

**MERRIWA RIVER - DOWNSTREAM -EPA LICENCE TESTING
Monitoring Point 4**

Date Sampled Effective Month			21/Jan/20 Jan/20	5/May/20 May/20	11/Aug/20 Aug/20	10/Nov/20 Nov/20						
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	3.00	3.00	3.00	4	2.00	2.75	3.00	3	3
Nitrogen (Ammonia)			0.05	0.05	0.65	0.31	4	0.05	0.27	0.65	0.18	0.548
Nitrogen (Total)			0.65	0.35	0.30	1.01	4	0.30	0.58	1.01	0.5	0.902
Oil and Grease			2.00	2.00	5.00	2.00	4	2.00	2.75	5.00	2	4.1
Total Phosphorus			0.19	0.26	0.25	0.32	4	0.19	0.26	0.32	0.255	0.302
Total Suspended Solids			36.00	50.00	28.00	43.00	4	28.00	39.25	50.00	39.5	47.9

Indicates result was < the number given