

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

Licence No: 4661

Date Sampled			2/Feb/21	11/May/21	3/Aug/21	23/Nov/21						
Effective Month			Feb/21	May/21	Aug/21	Nov/21						
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		18.00	28.00	18.00	22.00	4	18.00	21.50	28.00	20	26.2
Enterococci			1700.00	2500.00	9.00	1000.00	4	9.00	1302.25	2500.00	1350	2260
Faecal Coliforms			2000.00	2000.00	250.00	1000.00	4	250.00	1312.50	2000.00	1500	2000
Nitrogen (Ammonia)			0.11	3.02	11.70	3.34	4	0.11	4.54	11.70	3.18	9.192
Nitrogen (Total)			4.91	10.62	25.20	10.14	4	4.91	12.72	25.20	10.38	20.826
Oil and Grease	10		2.00	3.00	2.00	2.00	4	2.00	2.25	3.00	2	2.7
Total Phosphorus			2.35	2.75	1.87	2.84	4	1.87	2.45	2.84	2.55	2.813
Total Suspended Solids	30		45.00	35.00	11.00	51.00	4	11.00	35.50	51.00	40	49.2

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

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

Date Sampled			2/Feb/21	11/May/21	3/Aug/21	23/Nov/21						
Effective Month			Feb/21	May/21	Aug/21	Nov/21						
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	2.00	2.00	3.00	4	2.00	2.75	4.00	2.5	3.7
Nitrogen (Ammonia)			0.05	0.14	0.14	0.05	4	0.05	0.10	0.14	0.095	0.14
Nitrogen (Total)			0.55	0.44	0.34	1.05	4	0.34	0.60	1.05	0.495	0.9
Oil and Grease			2.00	2.00	2.00	2.00	4	2.00	2.00	2.00	2	2
Total Phosphorus			0.29	0.22	0.24	0.65	4	0.22	0.35	0.65	0.265	0.542
Total Suspended Solids			59.00	34.00	33.00	56.00	4	33.00	45.50	59.00	45	58.1

 Indicates result was < the number given

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

Date Sampled			2/Feb/21	11/May/21	3/Aug/21	23/Nov/21						
Effective Month			Feb/21	May/21	Aug/21	Nov/21						
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	3.00	4	2.00	2.25	3.00	2	2.7
Nitrogen (Ammonia)			0.05	0.13	0.10	0.05	4	0.05	0.08	0.13	0.075	0.121
Nitrogen (Total)			0.35	0.43	0.30	1.05	4	0.30	0.53	1.05	0.39	0.864
Oil and Grease			2.00	2.00	2.00	2.00	4	2.00	2.00	2.00	2	2
Total Phosphorus			0.28	0.23	0.20	0.66	4	0.20	0.34	0.66	0.255	0.546
Total Suspended Solids			27.00	20.00	19.00	58.00	4	19.00	31.00	58.00	23.5	48.7

 Indicates result was < the number given