

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

Licence No: 4661

Date Sampled			6/Feb/24	21/May/24	20/Aug/24	19/Nov/24						
Effective Month			Feb/24	May/24	Aug/24	Nov/24						
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		11.00	19.00	36.00	12.00	4	11.00	19.50	36.00	15.5	30.9
Enterococci			5700.00	400.00	4500.00	400.00	4	400.00	2750.00	5700.00	2450	5340
Faecal Coliforms			4400.00	500.00	5800.00	2100.00	4	500.00	3200.00	5800.00	3250	5380
Nitrogen (Ammonia)			1.09	0.11	6.79	0.28	4	0.11	2.07	6.79	0.685	5.08
Nitrogen (Total)			7.29	5.21	13.40	4.28	4	4.28	7.55	13.40	6.25	11.567
Oil and Grease	10		2.00	4.00	4.00	2.00	4	2.00	3.00	4.00	3	4
Total Phosphorus			2.74	2.06	2.92	4.03	4	2.06	2.94	4.03	2.83	3.697
Total Suspended Solids	30		35.00	72.00	33.00	97.00	4	33.00	59.25	97.00	53.5	89.5

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

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

Date Sampled			6/Feb/24	21/May/24	20/Aug/24	19/Nov/24						
Effective Month			Feb/24	May/24	Aug/24	Nov/24						
Parameters Monitored	100 percentile limits	90 percentile limit					Min	Average	Max	Licence Period		
	License Limi (mg/l)	PQL limits (mg/l)								50%	90%	
BOD5			5.00	4.00	2.00	3.00	4	2.00	3.50	5.00	3.5	4.7
Nitrogen (Ammonia)			0.23	0.10	0.16	0.08	4	0.08	0.14	0.23	0.13	0.209
Nitrogen (Total)			1.43	0.30	0.40	0.68	4	0.30	0.70	1.43	0.54	1.205
Oil and Grease			2.00	2.00	2.00	2.00	4	2.00	2.00	2.00	2	2
Total Phosphorus			0.26	0.16	0.22	0.22	4	0.16	0.22	0.26	0.22	0.248
Total Suspended Solids			38.00	16.00	34.00	64.00	4	16.00	38.00	64.00	36	56.2

                     Indicates result was < the number given

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

Date Sampled			6/Feb/24	21/May/24	20/Aug/24	19/Nov/24						
Effective Month			Feb/24	May/24	Aug/24	Nov/24						
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	4.00	2.00	2.00	4	2.00	2.50	4.00	2	3.4
Nitrogen (Ammonia)			0.07	0.05	0.11	0.05	4	0.05	0.07	0.11	0.06	0.098
Nitrogen (Total)			0.57	0.25	0.40	0.35	4	0.25	0.39	0.57	0.375	0.519
Oil and Grease			2.00	2.00	2.00	2.00	4	2.00	2.00	2.00	2	2
Total Phosphorus			0.19	0.20	0.21	0.14	4	0.14	0.19	0.21	0.195	0.207
Total Suspended Solids			21.00	18.00	29.00	14.00	4	14.00	20.50	29.00	19.5	26.6

                     Indicates result was < the number given