

**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	1/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	3	11.00	22.00	36.00	19	32.6
Enterococci			5700.00	400.00	4500.00	3	400.00	3533.33	5700.00	4500	5460
Faecal Coliforms			4400.00	500.00	5800.00	3	500.00	3566.67	5800.00	4400	5520
Nitrogen (Ammonia)			1.09	0.11	6.79	3	0.11	2.66	6.79	1.09	5.65
Nitrogen (Total)			7.29	5.21	13.40	3	5.21	8.63	13.40	7.29	12.178
Oil and Grease	10		2.00	4.00	4.00	3	2.00	3.33	4.00	4	4
Total Phosphorus			2.74	2.06	2.92	3	2.06	2.57	2.92	2.74	2.884
Total Suspended Solids	30		35.00	72.00	33.00	3	33.00	46.67	72.00	35	64.6

           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	1/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	2.00	3.67	5.00	4	4.8
Nitrogen (Ammonia)			0.23	0.10	0.16	3	0.10	0.16	0.23	0.16	0.216
Nitrogen (Total)			1.43	0.30	0.40	3	0.30	0.71	1.43	0.4	1.224
Oil and Grease			2.00	2.00	2.00	3	2.00	2.00	2.00	2	2
Total Phosphorus			0.26	0.16	0.22	3	0.16	0.21	0.26	0.22	0.252
Total Suspended Solids			38.00	16.00	34.00	3	16.00	29.33	38.00	34	37.2

           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	1/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	3	2.00	2.67	4.00	2	3.6
Nitrogen (Ammonia)			0.07	0.05	0.11	3	0.05	0.08	0.11	0.07	0.102
Nitrogen (Total)			0.57	0.25	0.40	3	0.25	0.41	0.57	0.4	0.536
Oil and Grease			2.00	2.00	2.00	3	2.00	2.00	2.00	2	2
Total Phosphorus			0.19	0.20	0.21	3	0.19	0.20	0.21	0.2	0.208
Total Suspended Solids			21.00	18.00	29.00	3	18.00	22.67	29.00	21	27.4

           Indicates result was < the number given