

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

Licence No: 4661

Date Sampled			1/Feb/22	3/May/22	9/Aug/22	8/Nov/22					Licence Period		
Effective Month			Feb/22	May/22	Aug/22	Nov/22						50%	90%
Parameters Monitored	100 percentile limits	90 percentile limit					Min	Average	Max				
	License Limit (mg/l)	PQL limits (mg/l)											
BOD5	20		7.00	25.00	19.00	17.00	4	7.00	17.00	25.00	18	23.2	
Enterococci			4800.00	67.00	25.00	47.00	4	25.00	1234.75	4800.00	57	3380.1	
Faecal Coliforms			91.00	2000.00	27.00	800.00	4	27.00	729.50	2000.00	445.5	1640	
Nitrogen (Ammonia)			1.50	2.41	6.79	0.33	4	0.33	2.76	6.79	1955	5.476	
Nitrogen (Total)			5.20	8.11	16.39	3.23	4	3.23	8.23	16.39	6.655	13.906	
Oil and Grease	10		2.00	2.00	2.00	2.00	4	2.00	2.00	2.00	2	2	
Total Phosphorus			2.91	2.56	1.81	2.22	4	1.81	2.38	2.91	2.39	2.805	
Total Suspended Solids	30		13.00	32.00	5.00	45.00	4	5.00	23.75	45.00	22.5	41.1	

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

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

Date Sampled			1/Feb/22	3/May/22	9/Aug/22	8/Nov/22					Licence Period		
Effective Month			Feb/22	May/22	Aug/22	Nov/22						50%	90%
Parameters Monitored	100 percentile limits	90 percentile limit					Min	Average	Max				
	License Limit (mg/l)	PQL limits (mg/l)											
BOD5			2.00	2.00	2.00	10.00	4	2.00	4.00	10.00	2	7.6	
Nitrogen (Ammonia)			0.05	0.11	0.05	0.05	4	0.05	0.07	0.11	0.05	0.092	
Nitrogen (Total)			0.15	0.31	0.25	0.15	4	0.15	0.22	0.31	0.2	0.292	
Oil and Grease			2.00	2.00	2.00	2.00	4	2.00	2.00	2.00	2	2	
Total Phosphorus			0.29	0.37	0.40	0.35	4	0.29	0.35	0.40	0.36	0.391	
Total Suspended Solids			17.00	22.00	11.00	8.00	4	8.00	14.50	22.00	14	20.5	

           Indicates result was < the number given

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

Date Sampled			1/Feb/22	3/May/22	9/Aug/22	8/Nov/22					Licence Period		
Effective Month			Feb/22	May/22	Aug/22	Nov/22						50%	90%
Parameters Monitored	100 percentile limits	90 percentile limit					Min	Average	Max				
	License Limit (mg/l)	PQL limits (mg/l)											
BOD5			2.00	2.00	2.00	5.00	4	2.00	2.75	5.00	2	4.1	
Nitrogen (Ammonia)			0.05	0.05	0.05	0.07	4	0.05	0.06	0.07	0.05	0.064	
Nitrogen (Total)			0.05	0.25	0.25	0.17	4	0.05	0.18	0.25	0.21	0.25	
Oil and Grease			2.00	2.00	2.00	2.00	4	2.00	2.00	2.00	2	2	
Total Phosphorus			0.27	0.35	0.40	0.30	4	0.27	0.33	0.40	0.325	0.385	
Total Suspended Solids			28.00	12.00	12.00	5.00	4	5.00	14.25	28.00	12	23.2	

           Indicates result was < the number given