

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

Licence No: 4661

Date Sampled			6/Feb/18	9/May/18	7/Aug/18	20/Nov/18						Licence Period		
Effective Month			Feb/18	May/18	Aug/18	Nov/18	Min	Average	Max	50%	90%			
Parameters Monitored	100 percentile limits	90 percentile limit												
	License Limi (mg/l)	PQL limits (mg/l)												
BOD5	20		50.00	38.00	88.00	29.00	4	29.00	51.25	88.00	44	76.6		
Nitrogen (Ammonia)			0.58	1.90	2.60	0.94	4	0.58	1.51	2.60	1.42	2.39		
Nitrogen (Total)			9.80	12.10	18.80	8.04	4	8.04	12.19	18.80	10.95	16.79		
Oil and Grease	10		4.00	2.00	7.00	2.00	4	2.00	3.75	7.00	3	6.1		
Total Phosphorus			2.70	3.30	4.50	3.90	4	2.70	3.60	4.50	3.6	4.32		
Total Suspended Solids	30		76.00	140.00	120.00	132.00	4	76.00	117.00	140.00	126	137.6		

 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/18	9/May/18	7/Aug/18	20/Nov/18						Licence Period		
Effective Month			Feb/18	May/18	Aug/18	Nov/18	Min	Average	Max	50%	90%			
Parameters Monitored	100 percentile limits	90 percentile limit												
	License Limi (mg/l)	PQL limits (mg/l)												
BOD5			6.00	4.00	3.00	2.00	4	2.00	3.75	6.00	3.5	5.4		
Nitrogen (Ammonia)			0.09	0.07	0.38	0.06	4	0.06	0.15	0.38	0.08	0.293		
Nitrogen (Total)			1.60	0.47	0.98	0.46	4	0.46	0.88	1.60	0.725	1.414		
Oil and Grease			2.00	2.00	2.00	2.00	4	2.00	2.00	2.00	2	2		
Total Phosphorus			0.54	0.35	0.10	0.10	4	0.10	0.27	0.54	0.225	0.483		
Total Suspended Solids			17.00	4.00	12.00	7.00	4	4.00	10.00	17.00	9.5	15.5		

 Indicates result was < the number given

MERRIWA RIVER - DOWNSTREAM -EPA LICENCE TESTING
Monitoring Point 4

Date Sampled			6/Feb/18	9/May/18	7/Aug/18	20/Nov/18						Licence Period		
Effective Month			Feb/18	May/18	Aug/18	Nov/18	Min	Average	Max	50%	90%			
Parameters Monitored	100 percentile limits	90 percentile limit												
	License Limi (mg/l)	PQL limits (mg/l)												
BOD5			2.00	3.00	2.00	2.00	4	2.00	2.25	3.00	2	2.7		
Nitrogen (Ammonia)			0.25	0.05	0.28	0.25	4	0.05	0.21	0.28	0.25	0.271		
Nitrogen (Total)			0.50	0.25	0.58	1.05	4	0.25	0.60	1.05	0.54	0.909		
Oil and Grease			2.00	2.00	2.00	2.00	4	2.00	2.00	2.00	2	2		
Total Phosphorus			0.23	0.23	0.08	0.14	4	0.08	0.17	0.23	0.185	0.23		
Total Suspended Solids			4.00	3.00	22.00	8.00	4	3.00	9.25	22.00	6	17.8		

 Indicates result was < the number given