

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

Licence No: 4661

Date Sampled			10/Mar/15	1/Jun/15	19/Aug/15	1/Dec/15							
Effective Month			Mar/15	Jun/15	Aug/15	Dec/15							
Parameters Monitored	100 percentile limits	90 percentile limit					Min	Average	Max	Licence Period			
	License Limit (mg/l)	PQL limits (mg/l)								50%	90%		
BOD5	20		14.00		20.00	15.00	3	14.00	16.33	20.00	15	19	
Nitrogen (Ammonia)			0.30		4.60	0.15	3	0.15	1.68	4.60	0.3	3.74	
Nitrogen (Total)			4.20		6.90	5.00	3	4.20	5.37	6.90	5	6.52	
Oil and Grease	10		2.00		2.00	2.00	3	2.00	2.00	2.00	2	2	
Total Phosphorus			2.60		4.00	2.60	3	2.60	3.07	4.00	2.6	3.72	
Total Suspended Solids	30		91.00		34.00	60.00	3	34.00	61.67	91.00	60	84.8	

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

MERRIWA RIVER - UPTREAM -EPA LICENCE TESTING
Monitoring Point 3

Date Sampled			10/Mar/15	1/Jun/15	19/Aug/15	1/Dec/15							
Effective Month			Mar/15	Jun/15	Aug/15	Dec/15							
Parameters Monitored	100 percentile limits	90 percentile limit					Min	Average	Max	Licence Period			
	License Limit (mg/l)	PQL limits (mg/l)								50%	90%		
BOD5			4.00		3.00	6.00	3	3.00	4.33	6.00	4	5.6	
Nitrogen (Ammonia)			0.09		0.05	0.06	3	0.05	0.07	0.09	0.06	0.084	
Nitrogen (Total)			0.80		0.50	0.90	3	0.50	0.73	0.90	0.8	0.88	
Oil and Grease			2.00		3.00	2.00	3	2.00	2.33	3.00	2	2.8	
Total Phosphorus			0.20		0.18	0.28	3	0.18	0.22	0.28	0.2	0.264	
Total Suspended Solids			17.00		33.00	15.00	3	15.00	21.67	33.00	17	29.8	

█ Indicates result was < the number given

MERRIWA RIVER - DOWNTREAM -EPA LICENCE TESTING
Monitoring Point 4

Date Sampled			10/Mar/15	1/Jun/15	19/Aug/15	1/Dec/15							
Effective Month			Mar/15	Jun/15	Aug/15	Dec/15							
Parameters Monitored	100 percentile limits	90 percentile limit					Min	Average	Max	Licence Period			
	License Limit (mg/l)	PQL limits (mg/l)								50%	90%		
BOD5			2.00		2.00	5.00	3	2.00	3.00	5.00	2	4.4	
Nitrogen (Ammonia)			0.08		0.05	0.05	3	0.05	0.06	0.08	0.05	0.074	
Nitrogen (Total)			1.10		0.50	0.70	3	0.50	0.77	1.10	0.7	1.02	
Oil and Grease			2.00		3.00	2.00	3	2.00	2.33	3.00	2	2.8	
Total Phosphorus			0.16		0.11	0.33	3	0.11	0.20	0.33	0.16	0.296	
Total Suspended Solids			14.00		5.00	15.00	3	5.00	11.33	15.00	14	14.8	

█ Indicates result was < the number given