

2014 Merriwa Sewage Treatment Plant - EPA Licence 4661

Date of test	Effluent			River Upstream			River Downstream		
	Pollutant	Result	Unit	Pollutant	Result	Unit	Pollutant	Result	Unit
13/08/2014	BOD	5	mg/L	BOD	2	mg/L	BOD	<2	mg/L
	Nitrogen (Ammonia)	6.4	mg/L N	Nitrogen (Ammonia)	<0.05	mg/L N	Nitrogen (Ammonia)	<0.05	mg/L N
	Nitrogen (Total)	10.4	mg/L N	Nitrogen (Total)	<0.5	mg/L N	Nitrogen (Total)	<0.5	mg/L N
	Oil and Grease	<2	mg/L	Oil and Grease	<2	mg/L	Oil and Grease	<2	mg/L
	Phosphorus (Total)	4.4	mg/L P	Phosphorus (Total)	0.19	mg/L P	Phosphorus (Total)	0.18	mg/L P
	Total Sus. Solids	18	mg/L	Total Sus. Solids	17	mg/L	Total Sus. Solids	4	mg/L
21/05/2014	BOD	11	mg/L	BOD	<2	mg/L	BOD	<2	mg/L
	Nitrogen (Ammonia)	0.57	mg/L N	Nitrogen (Ammonia)	0.12	mg/L N	Nitrogen (Ammonia)	0.19	mg/L N
	Nitrogen (Total)	2.8	mg/L N	Nitrogen (Total)	1.1	mg/L N	Nitrogen (Total)	0.8	mg/L N
	Oil and Grease	<2	mg/L	Oil and Grease	<2	mg/L	Oil and Grease	<2	mg/L
	Phosphorus (Total)	1.2	mg/L P	Phosphorus (Total)	0.24	mg/L P	Phosphorus (Total)	0.27	mg/L P
	Total Sus. Solids	21	mg/L	Total Sus. Solids	13	mg/L	Total Sus. Solids	6	mg/L
13/02/2014	BOD	14	mg/L	BOD	4	mg/L	BOD	3	mg/L
	Nitrogen (Ammonia)	1.4	mg/L N	Nitrogen (Ammonia)	<0.05	mg/L N	Nitrogen (Ammonia)	0.05	mg/L N
	Nitrogen (Total)	5.3	mg/L N	Nitrogen (Total)	<0.5	mg/L N	Nitrogen (Total)	<0.5	mg/L N
	Oil and Grease	<2	mg/L	Oil and Grease	<2	mg/L	Oil and Grease	<2	mg/L
	Phosphorus (Total)	1.1	mg/L P	Phosphorus (Total)	0.39	mg/L P	Phosphorus (Total)	0.29	mg/L P
	Total Sus. Solids	13	mg/L	Total Sus. Solids	18	mg/L	Total Sus. Solids	7	mg/L
3/12/2014	BOD	11	mg/L	BOD	5	mg/L	BOD	<2	mg/L
	Nitrogen (Ammonia)	1.4	mg/L N	Nitrogen (Ammonia)	0.06	mg/L N	Nitrogen (Ammonia)	<0.05	mg/L N
	Nitrogen (Total)	6.4	mg/L N	Nitrogen (Total)	1.4	mg/L N	Nitrogen (Total)	0.8	mg/L N
	Oil and Grease	<2	mg/L	Oil and Grease	<2	mg/L	Oil and Grease	<2	mg/L
	Phosphorus (Total)	2.4	mg/L P	Phosphorus (Total)	0.24	mg/L P	Phosphorus (Total)	0.23	mg/L P
	Total Sus. Solids	18	mg/L	Total Sus. Solids	25	mg/L	Total Sus. Solids	12	mg/L

Min	BOD	5	Min	BOD	<2	Min	BOD	<2
Avg		10.25	Avg		3.25	Avg		2.25
Max		14	Max		5	Max		3
Min	Nitrogen (Ammonia)	0.57	Min	Nitrogen (Ammonia)	<0.05	Min	Nitrogen (Ammonia)	<0.05
Avg		2.45	Avg		0.07	Avg		0.09
Max		6.4	Max		0.12	Max		0.19
Min	Nitrogen (Total)	2.8	Min	Nitrogen (Total)	<0.5	Min	Nitrogen (Total)	<0.5
Avg		6.23	Avg		0.88	Avg		0.65
Max		10.4	Max		1.4	Max		0.8
Min	Oil and Grease	<2	Min	Oil and Grease	<2	Min	Oil and Grease	<2
Avg		<2	Avg		<2	Avg		<2
Max		<2	Max		<2	Max		<2
Min	Phosphorus (Total)	1.1	Min	Phosphorus (Total)	0.19	Min	Phosphorus (Total)	0.18
Avg		2.28	Avg		0.27	Avg		0.24
Max		4.4	Max		0.39	Max		0.29
Min	TSS	13	Min	TSS	13	Min	TSS	4
Avg		17.5	Avg		18.25	Avg		7.25
Max		21	Max		25	Max		12