



Environmental Compliance Report

Macksville Sewage Treatment Plant
 Environment Protection Licence: 579
 EPA Monitoring Point: 3

01 Jan 2023 - 31 May 2023

Report Generated: Monday, 05 June 2023

Limits	Biochemical Oxygen Demand	Total Suspended Solids	Oil and Grease	Faecal Coliforms	Phosphorous (total)	Nitrogen (total)	pH	Nitrogen (ammonia)	Comments				
	90 th %ile Max	100 th %ile Min	100 th %ile Max	Units	milligrams per litre	milligrams per litre	milligrams per litre	milligrams per litre		milligrams per litre	milligrams per litre	milligrams per litre	milligrams per litre
90 th %ile Max	10	20	5	200	0.5	10		2					
100 th %ile Min							6.5						
100 th %ile Max	20	30	10	600	1.0	20	8.5	5					
	milligrams per litre	milligrams per litre	milligrams per litre	colony forming units per 100 millilitres	milligrams per litre	milligrams per litre	pH unit	milligrams per litre					
11/01/2023	5	26	<2	6	0.31	3.95	9.0	0.18					
24/01/2023	4	9	<2	<2	0.22	4.89	7.5	0.19					
8/02/2023	3	7	<2	<2	0.19	5.13	7.2	0.16					
22/02/2023	5	12	<2	<2	0.22	3.82	8.0	0.18					
8/03/2023	3	7	<2	<2	0.18	3.60	6.8	0.32					
22/03/2023	4	13	<2	<2	0.50	3.37	6.7	0.56					
18/04/2023	<2	2	<2	4	0.09	3.99	6.9	0.75					
2/05/2023	5	3	<2	660	0.09	4.98	7.3	0.16					
16/05/2023	2	<2	<2	<2	0.07	4.81	6.9	0.52					
No of Samples	9	9	9	9	9	9	9	9					
Samples Required by EPL	26	26	26	26	26	26	26	26					
Minimum	1	1	1.0	1	0.07	3.37	6.7	0.16					
Average	4	9	1.0	75	0.21	4.28	7.4	0.34					
Samples < 90th percentile limit	100.0%	88.9%	100.0%	88.9%	100.0%	100.0%	-	100.0%					
Samples within 100th percentile limits	100.0%	100.0%	100.0%	88.9%	100.0%	100.0%	88.9%	100.0%					
Maximum	5	26	1.0	660	0.50	5.13	9.0	0.75					
Notes	TNTC denotes "Too Numerous To Count"												



Environmental Compliance Report

Nambucca Sewage Treatment Plant
 Environment Protection Licence: 803
 EPA Monitoring Point: 3

01 Jan 2023 - 31 May 2023

Report Generated: Monday, 05 June 2023

Limits	Biochemical Oxygen Demand	Total Suspended Solids	Oil and Grease	Faecal Coliforms	Phosphorous (total)	Nitrogen (total)	pH	Nitrogen (ammonia)	Comments			
	90 th %ile Max	10 th %ile Min	100 th %ile Max	Units	milligrams per litre	milligrams per litre	milligrams per litre	colony forming units per 100 millilitres		milligrams per litre	milligrams per litre	pH unit
90 th %ile Max	10	15	5	200	0.5	10						
100 th %ile Min												
100 th %ile Max	20	30	10	600	1.0	20						
Units	milligrams per litre	milligrams per litre	milligrams per litre	colony forming units per 100 millilitres	milligrams per litre	milligrams per litre	pH unit	milligrams per litre				
4/01/2023	4	3	<2	0	0.36	6.64	7.0	0.58				
18/01/2023	3	8	<2	0	0.53	4.62	6.9	0.11				
24/01/2023	3	5	<2	0	0.17	4.80	6.5	0.17				
1/02/2023	2	4	<2	2	0.17	4.67	6.7	1.00				
15/02/2023	3	6	<2	3	0.21	5.31	6.1	0.57				
1/03/2023	<2	2	<2	<2	0.18	2.81	6.6	0.22				
15/03/2023	<2	3	<2	0	0.37	2.90	6.4	1.06				
29/03/2023	3	<2	<2	<2	0.47	3.06	6.4	0.48				
11/04/2023	<2	4	<2	<2	0.46	4.02	6.4	0.71				
25/04/2023	3	<2	<2	<2	0.21	3.51	6.6	0.49				
9/05/2023	<2	3	<2	0	0.08	3.38	6.4	0.45				
23/05/2023	<2	<2	<2	0	0.12	3.02	6.6	0.36				
No of Samples	12	12	12	12	12	12	12	12				
Samples Required by EPL	26	26	26	26	26	26	26	26				
Minimum	1	1	1	0	0.08	2.81	6.1	0.11				
Average	2	3	1	1	0.28	4.06	6.6	0.52				
Samples < 90th percentile limit	100.0%	100.0%	100.0%	100.0%	91.7%	100.0%	-	-				
Samples within 100th percentile limits	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	-	-				
Maximum	4	8	1	3	0.53	6.64	7.0	1.06				
Notes	TNTC denotes "Too Numerous To Count"											



Environmental Compliance Report
 Scotts Head Sewage Treatment Plant
 Environment Protection Licence: 2564
 EPA Monitoring Point: 4

01 Jan 2023 - 31 May 2023

Report Generated: Monday, 05 June 2023

	Conductivity	Faecal Coliforms	Nitrogen (total)	Phosphorous (total)	pH	Comments
Limits						
90 th %ile Max						
100 th %ile Min						
100 th %ile Max						
Units	milligrams per litre	colony forming units per 100 millilitres	milligrams per litre	milligrams per litre	pH unit	
11/01/2023	53	<10	1.52	0.27	5.3	
8/02/2023	107	<10	1.39	0.37	5.8	
2/05/2023	57	<2	1.50	0.10	6.5	
No of Samples	3	3	3	3	3	
Samples Required by EPL	4	4	4			
Minimum	53	1	1	0	5	
Average	72	4	1	0	6	
Samples < 90th percentile limit	-	-	-	-	-	
Samples within 100th percentile limits	-	-	-	-	-	
Maximum	107	5	2	0	7	
Notes	TNTC denotes "Too Numerous To Count"					



Environmental Compliance Report

01 Jan 2023 - 31 May 2023

Scotts Head Sewage Treatment Plant

Environment Protection Licence: 2564

Report Generated: Monday, 05 June 2023

EPA Monitoring Point: 5

Limits	Conductivity	Faecal Coliforms	Nitrogen (total)	Phosphorous (total)	pH	Comments
	90 th %ile Max					
	100 th %ile Min					
	100 th %ile Max					
Units	milligrams per litre	colony forming units per 100 millilitres	milligrams per litre	milligrams per litre	pH unit	
11/01/2023	428	20	0.92	0.87	6.7	
8/02/2023	392	30	1.09	1.01	6.7	
2/05/2023	475	6	1.35	0.77	6.8	
No of Samples	3	3	3	3	3	
Samples Required by EPL	4	4	4			
Minimum	392	6	1	1	7	
Average	432	19	1	1	7	
Samples < 90th percentile limit	-	-	-	-	-	
Samples within 100th percentile limits	-	-	-	-	-	
Maximum	475	30	1	1	7	
Notes	TNTC denotes "Too Numerous To Count"					



Environmental Compliance Report

Sewage Treatment Plant Flow Summary

Environment Protection Licence: 587, 579, 803 & 2564

EPA Monitoring Point: 2, 3 & 4

01 Jan 2023 - 31 May 2023

Report Generated: Monday, 05 June 2023

	Bowraville Sewage Treatment Plant				Macksville Sewage Treatment Plant		Nambucca Sewage Treatment Plant		Scotts Head Sewage Treatment Plant	
	Total Daily Inflow	Discharge to Reuse Dam Flow	Discharge to River Flow	Comments	Total Daily Discharge	Comments	Total Daily Inflow	Comments	Total Daily Inflow	Comments
	EPA Point 2	EPA Point 4	EPA Point 1		EPA Point 2		EPA Point 2			
Limit	1,500	-	-		9,500		12,600		2,500	
Units	kilolitres per day	kilolitres per day	kilolitres per day		kilolitres per day		kilolitres per day		kilolitres per day	
1/01/2023	190	128	0		1,898		1,912		400	
2/01/2023	189	236	0		209		1,798		381	
3/01/2023	181	129	0		2,007		1,732		334	
4/01/2023	168	202	0		212		1,715		311	
5/01/2023	222	203	0		1,683		2,025		315	
6/01/2023	205	152	0		735		1,755		325	
7/01/2023	197	255	0		805		1,784		329	
8/01/2023	182	200	0		0		1,764		312	
9/01/2023	181	184	0		2,143		1,672		295	
10/01/2023	171	174	0		670		1,606		279	
11/01/2023	161	145	0		2,259		1,550		271	
12/01/2023	160	185	0		630		1,527		263	
13/01/2023	158	161	0		1,809		1,527		253	
14/01/2023	175	130	0		0		1,487		253	
15/01/2023	178	227	0		1,869		1,510		248	
16/01/2023	174	175	0		0		1,457		251	
17/01/2023	196	196	0		1,585		1,438		248	
18/01/2023	183	249	0		931		1,476		258	
19/01/2023	218	52	0		642		1,503		243	
20/01/2023	237	289	0		1,830		1,484		233	
21/01/2023	211	252	0		0		1,495		250	
22/01/2023	221	116	0		1,897		1,612		245	
23/01/2023	204	307	0		13		1,519		242	
24/01/2023	225	34	0		1,183		1,523		251	
25/01/2023	227	398	0		1,789		1,520		249	
26/01/2023	189	126	0		549		1,513		247	
27/01/2023	192	189	0		1,823		1,435		228	
28/01/2023	185	194	0		269		1,498		240	
29/01/2023	181	283	0		1,072		1,399		211	
30/01/2023	377	129	0		2,264		2,023		229	
31/01/2023	489	301	0		1,252		2,022		236	
1/02/2023	278	421	0		1,070		1,593		213	
2/02/2023	204	132	0		1,905		1,478		197	
3/02/2023	201	213	0		211		1,423		185	
4/02/2023	192	217	0		1,768		1,396		196	
5/02/2023	192	127	0		0		1,378		193	
6/02/2023	187	262	0		1,909		1,378		187	
7/02/2023	183	170	0		130		1,314		183	
8/02/2023	178	157	0		1,465		1,309		173	
9/02/2023	175	214	0		613		1,335		180	



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Sewage Treatment Plant Flow Summary

Environment Protection Licence: 587, 579, 803 & 2564

EPA Monitoring Point: 2, 3 & 4

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	Bowraville Sewage Treatment Plant				Macksville Sewage Treatment Plant		Nambucca Sewage Treatment Plant		Scotts Head Sewage Treatment Plant	
	Total Daily Inflow	Discharge to Reuse Dam Flow	Discharge to River Flow	Comments	Total Daily Discharge	Comments	Total Daily Inflow	Comments	Total Daily Inflow	Comments
	EPA Point 2	EPA Point 4	EPA Point 1		EPA Point 2		EPA Point 2			
Limit	1,500	-	-		9,500		12,600		2,500	
Units	kilolitres per day	kilolitres per day	kilolitres per day		kilolitres per day		kilolitres per day		kilolitres per day	
10/02/2023	171	176	0		685		1,345		181	
11/02/2023	166	167	0		1,540		1,383		185	
12/02/2023	179	166	0		591		1,329		186	
13/02/2023	176	187	0		496		1,329		177	
14/02/2023	459	239	0		1,876		1,582		205	
15/02/2023	319	287	0		0		1,806		194	
16/02/2023	217	226	0		1,913		1,455		186	
17/02/2023	186	195	0		156		1,412		190	
18/02/2023	187	199	0		1,541		1,473		191	
19/02/2023	183	183	0		0		1,425		180	
20/02/2023	183	182	0		1,214		1,330		174	
21/02/2023	171	176	0		187		1,331		174	
22/02/2023	188	169	0		2,293		1,275		168	
23/02/2023	1,597	344	0		3,906		3,501		759	
24/02/2023	702	594	0		3,030		1,655		295	
25/02/2023	352	452	0		754		1,700		253	
26/02/2023	266	216	0		1,281		1,613		238	
27/02/2023	219	258	0		1,884		1,507		199	
28/02/2023	184	184	0		600		1,419		209	
1/03/2023	179	180	0		677		1,436		186	
2/03/2023	207	188	0		1,907		1,352		196	
3/03/2023	220	243	0		129		1,377		191	
4/03/2023	204	223	0		1,756		1,410		207	
5/03/2023	209	195	0		0		1,404		195	
6/03/2023	194	163	0		2,060		1,429		186	
7/03/2023	182	238	0		0		1,372		183	
8/03/2023	173	257	0		1,917		1,329		170	
9/03/2023	178	24	0		142		1,357		179	
10/03/2023	169	253	0		1,720		1,323		190	
11/03/2023	174	156	0		0		1,387		198	
12/03/2023	194	188	0		1,904		1,352		202	
13/03/2023	233	239	0		159		2,744		321	
14/03/2023	277	274	0		1,622		2,786		354	
15/03/2023	266	205	0		1,547		1,893		243	
16/03/2023	226	268	0		270		1,741		203	
17/03/2023	188	216	0		1,089		1,531		193	
18/03/2023	184	142	0		1,527		1,579		206	
19/03/2023	188	188	0		0		1,510		194	
20/03/2023	186	102	0		1,216		1,421		199	
21/03/2023	201	264	0		413		2,252		364	



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Sewage Treatment Plant Flow Summary

Environment Protection Licence: 587, 579, 803 & 2564

EPA Monitoring Point: 2, 3 & 4

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	Bowraville Sewage Treatment Plant				Macksville Sewage Treatment Plant		Nambucca Sewage Treatment Plant		Scotts Head Sewage Treatment Plant	
	Total Daily Inflow	Discharge to Reuse Dam Flow	Discharge to River Flow	Comments	Total Daily Discharge	Comments	Total Daily Inflow	Comments	Total Daily Inflow	Comments
	EPA Point 2	EPA Point 4	EPA Point 1		EPA Point 2		EPA Point 2			
Limit	1,500	-	-		9,500		12,600		2,500	
Units	kilolitres per day	kilolitres per day	kilolitres per day		kilolitres per day		kilolitres per day		kilolitres per day	
22/03/2023	232	254	0		2,179		2,629		413	
23/03/2023	202	188	0		296		1,786		255	
24/03/2023	239	241	0		1,869		1,688		249	
25/03/2023	527	204	0		1,425		3,685		343	
26/03/2023	821	588	0		5,249		3,673		369	
27/03/2023	567	266	0		1,161		3,145		414	
28/03/2023	697	416	0		2,858		2,665		424	
29/03/2023	1,689	623	0		5,208		4,550		968	
30/03/2023	615	467	0		2,924		2,372		390	
31/03/2023	357	242	0		1,584		1,941		291	
1/04/2023	281	291	0		1,396		1,786		265	
2/04/2023	254	245	0		785		1,853		244	
3/04/2023	490	380	0		1,869		3,936		759	
4/04/2023	324	316	0		1,461		2,470		459	
5/04/2023	295	311	0		1,666		2,009		339	
6/04/2023	263	276	0		1,623		1,836		300	
7/04/2023	376	279	0		1,624		2,266		386	
8/04/2023	357	393	0		1,610		2,129		446	
9/04/2023	275	292	0		1,227		1,859		363	
10/04/2023	249	250	0		1,220		1,867		331	
11/04/2023	221	220	0		1,177		1,714		308	
12/04/2023	208	218	0		1,085		1,633		290	
13/04/2023	191	200	0		1,070		1,619		290	
14/04/2023	189	162	0		1,086		1,598		282	
15/04/2023	189	226	0		1,115		1,570		270	
16/04/2023	178	171	0		1,119		1,473		258	
17/04/2023	189	191	0		1,120		1,475		253	
18/04/2023	185	149	0		952		1,494		249	
19/04/2023	181	237	0		1,358		1,440		250	
20/04/2023	192	158	0		1,247		1,444		253	
21/04/2023	184	215	0		1,131		1,517		234	
22/04/2023	180	170	0		1,039		1,425		225	
23/04/2023	183	61	0		898		1,503		215	
24/04/2023	284	285	0		994		2,063		216	
25/04/2023	259	294	0		1,318		1,740		210	
26/04/2023	224	303	0		1,293		1,553		192	
27/04/2023	279	111	0		1,199		2,296		348	
28/04/2023	233	253	0		1,119		2,207		282	
29/04/2023	205	189	0		1,121		1,692		234	
30/04/2023	226	234	0		1,120		1,687		221	



Environmental Compliance Report

Sewage Treatment Plant Flow Summary

Environment Protection Licence: 587, 579, 803 & 2564

EPA Monitoring Point: 2, 3 & 4

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	Bowraville Sewage Treatment Plant				Macksville Sewage Treatment Plant		Nambucca Sewage Treatment Plant		Scotts Head Sewage Treatment Plant	
	Total Daily Inflow	Discharge to Reuse Dam Flow	Discharge to River Flow	Comments	Total Daily Discharge	Comments	Total Daily Inflow	Comments	Total Daily Inflow	Comments
	EPA Point 2	EPA Point 4	EPA Point 1		EPA Point 2		EPA Point 2			
Limit	1,500	-	-		9,500		12,600		2,500	
Units	kilolitres per day	kilolitres per day	kilolitres per day		kilolitres per day		kilolitres per day		kilolitres per day	
1/05/2023	210	206	0		993		1,577		212	
2/05/2023	183	225	0		883		1,519		208	
3/05/2023	191	274	0		1,271		1,499		210	
4/05/2023	180	81	0		1,245		1,482		191	
5/05/2023	184	204	0		1,119		1,467		191	
6/05/2023	184	176	0		1,120		1,465		206	
7/05/2023	171	111	0		1,118		1,465		198	
8/05/2023	169	260	0		1,119		1,466		184	
9/05/2023	160	138	0		1,120		1,466		178	
10/05/2023	160	151	0		1,119		1,388		167	
11/05/2023	160	105	0		1,119		1,433		187	
12/05/2023	131	223	0		773		1,413		180	
13/05/2023	132	131	0		236		1,430		202	
14/05/2023	144	132	0		1,119		1,655		287	
15/05/2023	176	156	0		1,118		1,825		281	
16/05/2023	314	313	0		850		2,189		386	
17/05/2023	212	270	0		1,317		1,791		289	
18/05/2023	193	130	0		2,129		1,649		242	
19/05/2023	191	221	0		1,121		1,533		215	
20/05/2023	179	181	0		1,119		1,521		212	
21/05/2023	214	177	0		1,119		1,494		213	
22/05/2023	201	255	0		719		1,498		195	
23/05/2023	185	168	0		237		1,451		192	
24/05/2023	178	192	0		1,497		1,456		186	
25/05/2023	182	178	0		1,473		1,456		182	
26/05/2023	176	176	0		0		1,381		177	
27/05/2023	191	21	0		109		1,420		184	
28/05/2023	197	268	0		866		1,475		179	
29/05/2023	188	232	0		866		1,406		171	
30/05/2023	186	182	0		756		1,406		164	
31/05/2023	177	187	0		1,441		1,417		175	
1/06/2023	0	0	0		0		0		0	
2/06/2023	0	0	0		0		0		0	
3/06/2023	0	0	0		0		0		0	
4/06/2023	0	0	0		0		0		0	



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	Total Daily Inflow	Discharge to Reuse Dam Flow	Discharge to River Flow	Comments	Total Daily Discharge	Comments	Total Daily Inflow	Comments	Total Daily Inflow	Comments
	EPA Point 2	EPA Point 4	EPA Point 1		EPA Point 2		EPA Point 2		EPA Point 2	
Limit	1,500	-	-		9,500		12,600		2,500	
Units	kilolitres per day	kilolitres per day	kilolitres per day		kilolitres per day		kilolitres per day		kilolitres per day	



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Sewage Treatment Plant Flow Summary

Environment Protection Licence: 587, 579, 803 & 2564

EPA Monitoring Point: 2, 3 & 4

01 Jan 2023 - 31 May 2023

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	Bowraville Sewage Treatment Plant				Macksville Sewage Treatment Plant		Nambucca Sewage Treatment Plant		Scotts Head Sewage Treatment Plant	
	Total Daily Inflow	Discharge to Reuse Dam Flow	Discharge to River Flow	Comments	Total Daily Discharge	Comments	Total Daily Inflow	Comments	Total Daily Inflow	Comments
	EPA Point 2	EPA Point 4	EPA Point 1		EPA Point 2		EPA Point 2		EPA Point 2	
Limit	1,500	-	-		9,500		12,600		2,500	
Units	kilolitres per day	kilolitres per day	kilolitres per day		kilolitres per day		kilolitres per day		kilolitres per day	



Environmental Compliance Report

Sewage Treatment Plant Flow Summary

Environment Protection Licence: 587, 579, 803 & 2564

EPA Monitoring Point: 2, 3 & 4

01 Jan 2023 - 31 May 2023

Report Generated: Monday, 05 June 2023

Limit	Bowraville Sewage Treatment Plant				Macksville Sewage Treatment Plant		Nambucca Sewage Treatment Plant		Scotts Head Sewage Treatment Plant	
	Total Daily Inflow	Discharge to Reuse Dam Flow	Discharge to River Flow	Comments	Total Daily Discharge	Comments	Total Daily Inflow	Comments	Total Daily Inflow	Comments
	EPA Point 2	EPA Point 4	EPA Point 1		EPA Point 2		EPA Point 2		EPA Point 2	
Limit	1,500	-	-		9,500		12,600		2,500	
Units	kilolitres per day	kilolitres per day	kilolitres per day		kilolitres per day		kilolitres per day		kilolitres per day	



Environmental Compliance Report
 Sewage Treatment Plant Flow Summary
 Environment Protection Licence: 587, 579, 803 & 2564
 EPA Monitoring Point: 2, 3 & 4

01 Jan 2023 - 31 May 2023

Report Generated: Monday, 05 June 2023

	Bowraville Sewage Treatment Plant				Macksville Sewage Treatment Plant		Nambucca Sewage Treatment Plant		Scotts Head Sewage Treatment Plant	
	Total Daily Inflow	Discharge to Reuse Dam Flow	Discharge to River Flow	Comments	Total Daily Discharge	Comments	Total Daily Inflow	Comments	Total Daily Inflow	Comments
	EPA Point 2	EPA Point 4	EPA Point 1		EPA Point 2		EPA Point 2		EPA Point 2	
Limit	1,500	-	-		9,500		12,600		2,500	
Units	kilolitres per day	kilolitres per day	kilolitres per day		kilolitres per day		kilolitres per day		kilolitres per day	



Environmental Compliance Report

Sewage Treatment Plant Flow Summary

Environment Protection Licence: 587, 579, 803 & 2564

EPA Monitoring Point: 2, 3 & 4

01 Jan 2023 - 31 May 2023

Report Generated: Monday, 05 June 2023

	Bowraville Sewage Treatment Plant				Macksville Sewage Treatment Plant		Nambucca Sewage Treatment Plant		Scotts Head Sewage Treatment Plant	
	Total Daily Inflow	Discharge to Reuse Dam Flow	Discharge to River Flow	Comments	Total Daily Discharge	Comments	Total Daily Inflow	Comments	Total Daily Inflow	Comments
	EPA Point 2	EPA Point 4	EPA Point 1		EPA Point 2		EPA Point 2			
Limit	1,500	-	-		9,500		12,600		2,500	
Units	kilolitres per day	kilolitres per day	kilolitres per day		kilolitres per day		kilolitres per day		kilolitres per day	
Minimum	0	0	0		0		0		0	
Minimum > 0	131	21	#NUM!		13		1,275		164	
Average	242	213	0		1,161		1,659		249	
Average > 0	249	219	#DIV/0!		1,295		1,703		255	
Maximum	1,689	623	0		5,249		4,550		968	
Exceedances	2	-	-		0		0		0	
Total	37,545	33,020	0		179,987		257,101		38,572	
No of Measurements	155	155	155		155		155		155	
No of Measurements > 0	151	151	0		139		151		151	