

SEWER TREATMENT PLANTS - Environmental Compliance													01 April 2018 -31 March 2019			
Gulgong Wastewater Treatment Plant 107 Spring Creek Road, Gulgong NSW 2852 Environment Protection Licence: 5808													<a href="http://www.epa.nsw.gov.au/prpoeoapp/">http://www.epa.nsw.gov.au/prpoeoapp/</a>		Report generated	
Monitoring Point 3		pH	EC	TDS (calculated)	TSS	Chlorine total residual	Total Nitrogen	Total Phosphorus	Chlorophyll a	Oil & Grease	BOD	Faecal Coliforms	Comments			
Pollutant		6.5-9.5			50	1	40	10		10	20	1000				
Limits			µs/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/m3	mg/L	mg/L	CFU/100mL				
Units																
Date sampled	Date results received															
11/04/2018	19/04/2018	8.6	1260	844	2	<0.2	2.4	2.85	2	<2	4	<1				
7/05/2018	15/05/2018	8.0	1300	871	2	<0.2	3.8	4.25	<1	<2	<2	200				
12/06/2018	19/06/2018	7.7	1290	861	4	<0.2	5.0	3.49	<1	<2	2	2				
10/07/2018	19/07/2018	9.0	1250	838	2	<0.2	3.2	1.80	5	<5	3	25				
14/08/2018	22/08/2018	8.9	1230	824	5	<0.2	2.5	1.65	2	<2	2	15				
18/09/2018	25/09/2018	9.4	1200	804	8	<0.2	1.0	1.54	7	2	<2	610				
9/10/2018	17/10/2018	9.6	1160	777	1	<0.2	1.3	1.46	<1	<2	<2	37				
7/11/2018	15/11/2018	9.7	1160	776	1	<0.2	0.9	0.84	1	<2	<2	1100				
5/12/2018	13/12/2018	9.6	1180	791	2	<0.2	0.8	1.26	<1	3	3	69				
8/01/2019	18/01/2019	10.1	1190	797	2	<0.2	1.2	0.66	2	<2	5	<1				
11/02/2019	19/02/2019	10.0	1250	839	7	<0.2	1.4	0.62	2	<2	3	<1				
11/03/2019	20/03/2019	9.7	1270	851	20	<0.2	1.0	1.34	18	<2	3	40				
No of samples taken		12	12	12	12	12	12	12	12	12	12	12				
Samples/year required by EPA		12			12	12	12	12		12	12	12				
Minimum		7.7	1160	776	1.0	0.1	0.8	0.62	1	1.0	1.0	1				
Average		9.2	1228	823	4.7	0.1	2.0	1.81	5	1.4	2.4	175				
Maximum		10.1	1300	871	20	0.1	5.0	4.25	18	3	5	1100				
Samples within limits (%)		50			100	100	100	100		100	100	92				

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Monitoring Point 4		Site no and depth	Exchangeable Calcium	Exchang. Magnesium	Exchang. Sodium	Salinity	pH (CaCl2)	Total Nitrogen	Total Phosphorus	Sodium Adsorption Ratio				
Pollutant			mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg	mg/Kg					
Units														
Date sampled	Date results received													
25/07/2018	20/08/2018	Site 1-0-20cm	1860	573	<1	88	5.7	1920	282	0.33				
25/07/2018	20/08/2018	Site 1-20-40cm	1730	986	58	65	6.7	440	123	1.73				
25/07/2018	20/08/2018	Site 1-40-70cm	1530	1110	86	89	6.9	300	118	2.42				
25/07/2018	20/08/2018	Site 1-70-100cm	5260	2150	288	588	7.9	270	100	3.1				

25/07/2018	20/08/2018	Site 2-0-20cm	1360	329	158	246	6.8	1850	530	4.34
25/07/2018	20/08/2018	Site 2-20-40cm	1040	315	188	303	6.8	580	318	7.29
25/07/2018	20/08/2018	Site 2-40-70cm	1980	1580	680	498	7.5	210	144	11.7
25/07/2018	20/08/2018	Site 2-70-100cm	3840	1690	613	839	7.8	220	102	11.8
25/07/2018	20/08/2018	Site 3-0-20cm	1540	573	181	276	6.3	1470	273	5.28
25/07/2018	20/08/2018	Site 3-20-40cm	1600	1260	651	362	6.8	580	177	8.3
25/07/2018	20/08/2018	Site 3-40-70cm	1460	1440	745	554	6.9	360	111	12.6
25/07/2018	20/08/2018	Site 3-70-100cm	1390	937	468	539	6.9	910	215	14
25/07/2018	20/08/2018	Site 4-0-20cm	2190	638	186	501	6.5	1340	513	4.02
25/07/2018	20/08/2018	Site 4-20-40cm	2890	1470	376	862	7.4	800	413	4.75
25/07/2018	20/08/2018	Site 4-40-70cm	2900	1450	372	852	7.5	740	461	4.79
25/07/2018	20/08/2018	Site 4-70-100cm	3480	1650	421	937	7.5	860	532	4.88
<b>No of samples taken</b>			16	16	15	16	16	16	16	16
<b>Samples/year required by EPA</b>			1	1	1	1	1	1	1	1

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Monitoring Point 1 Frequency: daily	Min	Max	Average	Samples within Limits	No of reading	Number of reading	Comments
Limits							
Units	KL	KL	KL	KL			
Month							
April	290	352	315	100	30	30	
May	272	362	315	100	31	31	
June	277	424	318	100	30	30	
July	302	369	322	100	31	31	
August	300	464	336	100	31	31	
September	291	378	328	100	30	30	
October	282	442	324	100	31	31	
November	291	443	331	100	30	30	
December	213	540	314	100	31	31	
January	254	553	305	100	31	31	
February	276	343	313	100	28	28	
March	283	804	349	100	31	31	