

SEWER TREATMENT PLANTS - Environmental Compliance													01 April 2019 -31 March 2020	
Gulgong Wastewater Treatment Plant 107 Spring Creek Road, Gulgong NSW 2852 Environment Protection Licence: 5808 http://www.epa.nsw.gov.au/prpoeoapp/													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													
2/04/2019	10/04/2018	9.5	1240	831	4	<0.2	1.4	1.76	2	<2	6	660		
14/05/2019	22/05/2019	9.5	1220	817	6	<0.2	1.1	2.05	10	<2	<2	88		
12/06/2019	20/06/2019	9.4	1210	811	30	<0.2	2.3	2.90	38	<5	<2	350		
9/07/2019	16/07/2019	9.0	1190	797	2	<0.2	1.3	3.43	<1	<2	<2	5		
7/08/2019	16/08/2019	8.8	1190	797	2	<0.2	1.6	3.85	<1	<2	<2	6		
9/09/2019	18/09/2019	8.7	1230	824	5	<0.2	1.3	3.89	<1	<2	<2	6		
9/10/2019	16/10/2019	8.7	1270	851	12	<0.2	1.4	3.39	8	3	6	110		
11/11/2019	20/11/2019	9.5	1290	864	5	<0.2	1.8	3.45	3	<2	2	71		
11/12/2019	20/12/2019	10.6	1330	891	4	<0.2	1.1	0.22	<1	<2	<2	<1		
8/01/2020	16/01/2020	10.1	1410	945	14	<0.2	1.7	0.61	16	4	2	13		
13/02/2020	21/02/2020	10.0	1440	965	2	<0.2	1.8	1.09	<1	<2	3	580		
12/03/2020	19/03/2020	10.2	1260	844	3	<0.2	1.6	0.89	<1	<2	5	3		
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		8.7	1190	797	2.0	0.1	1.1	0.22	2	1.0	1.0	1		
Average		9.5	1273	853	7.4	0.1	1.5	2.29	13	1.4	2.5	158		
Maximum		10.6	1440	965	30	0.1	2.3	3.89	38	4	6	660		
Samples within limits (%)		67			100	100	100	100		100	100	100		

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Monitoring Point 4		Site no and depth	Exchang. 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											
24/07/2019	6/08/2019	Site 1-0-20cm	319	100	70	358	4.7	810	140	6.26		
24/07/2019	6/08/2019	Site 1-20-40cm	349	128	49	121	5.6	150	61	4.87		
24/07/2019	6/08/2019	Site 1-40-70cm	1150	1220	289	160	6	310	99	7.21		
24/07/2019	6/08/2019	Site 1-70-100cm	904	1610	447	202	6.6	280	86	7.34		

24/07/2019	6/08/2019	Site 2-0-20cm	3840	1600	87	228	7.1	730	99	0.96
24/07/2019	6/08/2019	Site 2-20-40cm	3660	2030	155	270	7.5	440	106	2.9
24/07/2019	6/08/2019	Site 2-40-70cm	2190	2700	337	357	7.7	370	106	6.04
24/07/2019	6/08/2019	Site 2-70-100cm	2560	2970	616	807	8	250	86	9.55
24/07/2019	6/08/2019	Site 3-0-20cm	307	221	54	31	5.5	270	102	2.79
24/07/2019	6/08/2019	Site 3-20-40cm	1080	1590	495	184	6	470	105	7.15
24/07/2019	6/08/2019	Site 3-40-70cm	825	1810	666	524	6.5	260	78	18.9
24/07/2019	6/08/2019	Site 3-70-100cm	889	2160	826	653	6.8	340	89	20
24/07/2019	6/08/2019	Site 4-0-20cm	658	205	31	311	5.8	850	245	1.07
24/07/2019	6/08/2019	Site 4-20-40cm	949	893	330	290	6.4	470	110	12.4
24/07/2019	6/08/2019	Site 4-40-70cm	1060	1380	584	584	6.4	420	105	16.6
24/07/2019	6/08/2019	Site 4-70-100cm	1050	1550	684	756	6.8	420	84	19
No of samples taken			16	16	16	16	16	16	16	16
Samples/year required by EPA			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	292	384	329	100	30	30	
May	243	377	342	100	31	31	
June	317	394	349	100	30	30	
July	321	373	347	100	31	31	
August	299	390	334	100	31	31	
September	281	401	316	100	30	30	
October	275	363	307	100	31	31	
November	281	364	317	100	30	30	
December	256	339	303	100	31	31	
January	239	336	272	100	31	31	
February	254	866	357	100	28	28	
March	228	3222	445	100	31	31	