

SEWER TREATMENT PLANTS - Environmental Compliance

01 April 2023 -31 March 2024

Gulgong Wastewater Treatment Plant
107 Spring Creek Road, Gulgong NSW 2852
Environment Protection Licence: 5808

<http://www.epa.nsw.gov.au/prpoeoapp/>

Monitoring Point 2		pH	EC	TDS (calculated)	TSS	Chlorine total residual	Total Nitrogen	Total Phosphorus	Chlorophyll a	Oil & Grease	BOD	Faecal Coliforms	Report Generated	Comments
Pollutant														
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													
13/04/2023	16/04/2023	9.4	911	610	17	<0.2	2.2	1.46	15	<2	3	27	26/04/2023	
11/05/2023	17/05/2023	9.0	951	637	8	<0.2	1.9	2.14	4	<1	7	5	23/05/2023	
14/06/2023	22/06/2023	9.5	969	649	15	<0.2	3.0	2.46	13	2	<2	2	22/06/2023	
12/07/2023	19/07/2023	8.9	970	650	12	<0.2	2.4	2.39	8	<2	3	15	21/07/2023	
9/08/2023	16/08/2023	8.2	1010	677	6	<0.2	2.8	2.51	4	<2	<2	200	17/08/2023	
11/09/2023	18/09/2023	8.2	1010	677	10	<0.2	2.5	2.62	5	<2	<2	5	19/09/2023	
11/10/2023	18/10/2023	8.5	1020	683	4	<0.2	2.3	2.82	2	<2	<2	32	19/10/2023	
8/11/2023	16/11/2023	9.8	888	595	8	<0.2	1.2	0.73	6	<2	<2	21	16/11/2023	
13/12/2023	21/12/2023	10.0	1040	697	2	<0.2	0.9	0.28	<1	<2	<2	<1	21/12/2023	
15/01/2024	22/01/2024	10.2	992	665	3	<0.2	1.1	0.40	2	<2	<2	<1	24/01/2024	
14/02/2024	23/02/2024	9.5	973	652	4	<0.2	1.3	1.26	5	<2	3	17	21/02/2024	
13/03/2024	20/03/2024	8.6	1070	717	14	<0.2	1.2	3.24	8	<2	4	5600	21/03/2024	
No of samples taken		12	12	12	12	12	12	12	11	12	12	12		
Samples/year required by EPA		12			12	12	12	12		12	12	12		
Minimum		8.2	888	595	2.0	0.1	0.9	0.28	2	1.0	1.0	1		
Average		9.2	984	659	8.6	0.1	1.9	1.86	7	1.1	2.3	539		
Maximum		10.2	1070	717	17	0.1	3.0	3.24	15	2	7	5600		

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Monitoring Point 5		pH	EC	TDS (calculated)	TSS	Chlorine total	Total Nitrogen	Total Phosphorus	Chlorophyll a	Oil & Grease	BOD	Faecal Coliforms	Report Generated	Comments
Pollutant		6.5-9.5			30	1	15	5		10	10	600		
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													
13/04/2023	16/04/2023	Not Discharging												
11/05/2023	17/05/2023	Not Discharging												
14/06/2023	22/06/2023	Not Discharging												
12/07/2023	19/07/2023	Not Discharging												
9/08/2023	16/08/2023	Not Discharging												
11/09/2023	18/09/2023	Not Discharging												
11/10/2023	18/10/2023	Not Discharging												
8/11/2023	16/11/2023	Not Discharging												
13/12/2023	21/12/2023	Not Discharging												
15/01/2024	22/01/2024	Not Discharging												
14/02/2024	23/02/2024	Not Discharging												
13/03/2024	20/03/2024	Not Discharging												
No of samples taken		0	0	0	12	12	0	0	0	12	12	12		
Samples/year required by EPA		12			12	12	12	12		12	12	12		
Minimum		0.0	0	0	#NUM!	#NUM!	0.0	0.00	0	#NUM!	#NUM!	#NUM!		
Average		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
Maximum		0	0	0	0	0.0	0.0	0.00	0	0	0	0		
Samples within limits (%)		#DIV/0!			0	0	#DIV/0!	#DIV/0!		0	0	0		

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Report generated: 11/09/2023										
Monitoring Point 4		Site no and depth	Exchangeable Calcium	Exchang. Magnesium	Exchang. Sodium	Salinity	pH (CaCl2)	Total Nitrogen	Total Phosphorus	Sodium Adsorption
Pollutant			mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg	mg/Kg	
Units										
Date sampled	Date results received									
18/08/2023	5/09/2023	Site 1 0-20cm	1400	336	23	211	6.6	1530	318	1.86
18/08/2023	5/09/2023	Site 1 20-40cm	2080	1176	276	464	7.3	490	149	2.08
18/08/2023	5/09/2023	Site 1 40-70cm	1260	1884	575	1120	8.2	300	814	6.66
18/08/2023	5/09/2023	Site 1 70-100 cm	820	2016	575	1590	8.4	210	116	13
18/08/2023	5/09/2023	Site 2 0-20cm	740	144	23	212	7	1170	237	2.57
18/08/2023	5/09/2023	Site 2 20-40cm	280	108	23	126	7.2	230	126	1.89
18/08/2023	5/09/2023	Site 2 40-70cm	1440	1308	598	529	7.4	260	108	2.41
18/08/2023	5/09/2023	Site 2 70-100 cm	1300	1320	368	1220	8.2	180	123	8.89
No of samples taken			8	8	0	8	8	8	8	8
EPA required frequency (samples per year)			Annual (1)	Annual (1)	Annual (1)	Annual (1)	Annual (1)	Annual (1)	Annual (1)	Annual (1)

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Monitoring Point 1		Min	Max	Average	No of reading taken	Number of reading required		Comments		
Frequency: daily										
Limits										
Units	Report Generated	KL	KL	KL						
Month										
April	1/05/2023	282	445	358	30	30				
May	1/06/2023	139	372	321	31	31				
June	3/07/2023	172	730	345	30	30				
July	2/08/2023	289	685	358	31	31				
August	4/09/2023	222	676	341	15	31		Blockage between inlet and EAT resulting in backflow trough the inlet and incorrect reading of the flow between 14 and 29/08. Contractor unable to attend site until 29/08		
September	4/10/2023	239	437	309	30	30				
October	6/11/2023	258	507	313	31	31				
November	5/12/2023	284	1123	378	30	30				
December	3/01/2023	276	426	329	31	31				
January	6/02/2024	258	745	324	31	31				
February	1/03/2024	153	905	356	28	28				
March	9/04/2024	252	449	316	31	31				