

SEWER TREATMENT PLANTS - Environmental Compliance

01 April 2022 -31 March 2023

Rylstone Sewage treatment Works

Crawell Street, Rylstone 2849 NSW

Environment Protection Licence: 1958

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

Monitoring Point 3 Pollutant		pH	EC	TDS (calculated)	TSS	Chlorine total residual	Total Nitrogen	Total Phosphorus	Chlorophyll a	Oil & Grease	BOD	Faecal Coliforms	Report Generated	Comments
Limits		6.5-8.5			50	0.5	35	10		10	30			
Units			µs/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/m3	mg/L	mg/L	CFU/100mL		
Date sampled	Date results received													
12/04/2022	19/04/2022	7.6	634	425	21	<0.2	3.8	4.82	16	3	9	1400	29/04/2022	
10/05/2022	17/05/2022	7.7	598	401	13	<0.2	7.8	4.48	21	2	10	1200	17/05/2022	
9/06/2022	17/06/2022	7.1	693	464	3	<0.2	11.2	3.36	1	<2	3	190	17/06/2022	
12/07/2022	19/07/2022	7.6	662	444	<1	<0.2	14.3	3.00	1	<2	2	24	20/07/2022	
10/08/2022	17/08/2022	7.3	735	492	2	<0.2	17.1	3.14	<1	<2	5	37	18/08/2022	
12/09/2022	20/09/2022	7.4	705	486	3	<0.2	14.7	3.19	2	<2	3	220	20/09/2022	
19/10/2022	26/10/2022	7.3	538	360	6	<0.2	9.4	2.82	10	<2	4	900	27/10/2022	
16/11/2022	24/11/2022	7.4	558	374	4	<0.2	7.8	2.88	4	<2	2	280	25/11/2022	Sample taken from tap on outflow pipe as sampling point destroyed during flood
13/12/2022	20/12/2022	7.3	609	420	10	<0.2	4.0	3.88	32	<2	6	1000	21/12/2022	Sample taken one day earlier than the required minimum 4 weeks interval due to Christmas shutdown of Laboratory. Sample taken from tap on outflow pipe as sampling point destroyed during flood
11/01/2023	18/01/2023	7.2	744	513	62	<0.2	11.7	6.49	266	3	20	420	19/01/2023	Elevated TSS due to algae growth (elevated chlorophyll a). Sample taken from tap on outflow pipe as sampling point destroyed during flood
No of samples taken		10	10	10	10	10	10	10	9	10	10	10		
Samples/year required by EPA	Monthly (12)	Monthly (12)			Monthly (12)	Monthly (12)	Monthly (12)	Monthly (12)	Monthly (12)	Monthly (12)	Monthly (12)	Monthly (12)		
Minimum		7.1	538	360	1.0	0.1	3.8	2.82	1	1.0	2.0	24		
Average		7.4	648	438	12.5	0.1	10.2	3.81	39	1.5	6.4	567		
Maximum		7.7	744	513.36	62	0.1	17.1	6.49	266	3.0	20	1400		
Samples within limits (%)		100			90	100	100	100		100	100			

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Monitoring Point 4		pH	EC	TDS (calculated)	TSS	Chlorine total	Total Nitrogen	Total Phosphorus	Chlorophyll a	Oil & Grease	BOD	Faecal Coliforms	Report Generated	Comments	
Pollutant			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														
12/04/2022	19/04/2022					<0.2							29/04/2022		
10/05/2022	17/04/2022					<0.2							17/05/2022		
9/06/2022	17/06/2022					<0.2							17/06/2022		
12/07/2022	19/07/2022					<0.2							20/07/2022		
10/08/2022	17/08/2022					<0.2							18/08/2022		
12/09/2022	20/09/2022	7.4	419	289	6	<0.2	0.6	1.14	2	<2	<2	61	20/09/2022		
19/10/2022	26/10/2022					<0.2							27/10/2022		
16/11/2022	24/11/2022					<0.2							25/11/2022		
13/12/2022	20/12/2022					<0.2							21/12/2022	Sample taken one day earlier than the required minimum 4 weeks interval due to Christmas shutdown of Laboratory	
11/01/2023	18/01/2023					<0.2							18/01/2023		
No of samples taken		1	1	1	1	10	1	1	1	1	1	1			
EPA required frequency (samples per year)		Annual	(1)		Annual	Monthly	Annual	Annual		Annual	Annual	Annual			
Minimum						0.0									
Average						0.1									
Maximum						0.1									

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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			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														
12/09/2022	20/09/2022	7.6	430	297	7	<0.2	0.6	0.04	2	<2	<2	80	20/09/2022		
No of samples taken		0	0	0	1	1	0	0	0	1	1	1			
EPA required frequency (samples per year)		Annual	(1)		Annual	(1)	Annual	Annual		Annual	Annual	Annual			

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Monitoring Point 1		Total	Month within Limits (%)	No of reading taken	Number of reading required	Comments
Frequency: daily		Limits			100 ML/Year (100000 KL/Year)	
Units	Report Generated	KL	KL			
Month						
April	2/05/2022	3810	100	30	30	
May	1/06/2022	4185	100	31	31	
June	6/07/2022	3373	100	30	30	
July	3/08/2022	7222	100	31	31	
August	6/09/2022	6747	100	31	31	
September	5/10/2022	5622	100	30	30	
October	1/11/2022	11108	100	31	31	
November	2/12/2022	6160	100	30	30	
December	5/01/2023	3194	100	31	31	
January	6/02/2023	2953	100	31	31	
February			0	28	28	
March			0	31	31	
Yearly TOTAL		54374	100	365	365	