

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
9/02/2023	16/02/2023	7.4	787	543	21	<0.2	7.2	6.22	476	2	19	18000	17/02/2323	Sample taken from tap on outflow pipe as sampling point destroyed during flood
15/03/2023	22/03/2023	7.6	804	555	27	<0.2	5.2	5.86	125	<2	9	1300	23/03/2023	Sample taken from tap on outflow pipe as sampling point destroyed during flood
No of samples taken		12	12	12	12	12	12	12	11	12	12	12		
Samples/year required by EPA		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	672	456	14.4	0.1	9.5	4.18	87	1.5	7.7	2081		
Maximum		7.7	804	555	62	0.1	17.1	6.49	476	3.0	20	18000		
Samples within limits (%)		100			92	100	100	100		100	100			

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Monitoring Point 4 Pollutant		pH	EC	TDS (calculated)	TSS	Chlorine total	Total Nitrogen	Total Phosphorus	Chlorophyll a	Oil & Grease	BOD	Faecal Coliforms	Report Generated	Comments
			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	
9/02/2023	16/02/2023					<0.2							17/02/2023	
15/03/2023	22/03/2023					<0.2							23/03/2023	
No of samples taken		1	1	1	1	12	1	1	1	1	1	1		
EPA required frequency (samples per year)		Annual	(1)		Annual (1)	Monthly (12)	Annual (1)	Annual (1)		Annual (1)	Annual (1)	Annual (1)		
Minimum						0.1								
Average						0.1								
Maximum						0.1								

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Monitoring Point 5 Pollutant		pH	EC	TDS (calculated)	TSS	Chlorine total	Total Nitrogen	Total Phosphorus	Chlorophyll a	Oil & Grease	BOD	Faecal Coliforms	Report Generated	Comments
			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 (1)	Annual (1)		Annual (1)	Annual (1)	Annual (1)		

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Monitoring Point 1		Total	Month within Limits (%)	No of reading taken	Number of reading required	Comments
Frequency: daily		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	2/03/2023	2418	100	28	28	
March	6/04/2023	2813	100	31	31	
Yearly TOTAL		59605	100	365	365	