

Rylstone Sewage treatment Works

Crawell Street, Rylstone 2849 NSW

Report generated

3/08/2020

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													
8/04/2020	20/04/2020	7.5	957	641	29	<0.2	44.3	4.18	29	<2	12	6	3/08/2020	
12/05/2020	20/05/2020	7.4	920	616	32	<0.2	56.0	6.48	9	4	24	120000	3/08/2020	
9/06/2020	17/06/2020	7.5	989	663	28	<0.2	57.7	7.74	10	5	31	650	3/08/2020	
6/07/2020	13/07/2020	7.7	1100	737	29	<0.2	53.2	7.83	1	6	33	11000	3/08/2020	Cause of exceptions currently under investigation
11/08/2020	19/08/2020	7.6	725	486	35	<0.2	33.2	5.19	7	<1	22	56	20/08/2020	
14/09/2020	21/09/2020	7.5	895	600	30	<0.2	43.0	6.09	2	<2	17	7000	21/09/2020	Pump failure unable to completely clean tank which impacted on performance of plant
15/10/2020	22/10/2020	6.9	908	608	21	<0.2	55.3	8.00	9	5	16	84	22/10/2020	Options to extend the denitrification step are being looked at
18/11/2020	25/11/2020	7.3	867	581	26	<0.2	46.6	6.94	21	<2	27	37000	26/11/2020	Options to extend the denitrification step are being looked at
16/12/2020	29/12/2020	7.6	829	555	25	<0.2	44.4	7.07	3	<2	30	5500	7/01/2021	Nitrogen load into the plant being investigated. Extension of nitrification process being looked at.
14/01/2021	20/01/2021	7.7	806	540	16	<0.2	38.6	6.20	5	<2	17	18000	21/01/2021	Nitrogen load into the plant being investigated. Extension of nitrification process being looked at.
11/02/2021	17/01/2021	7.0	697	467	11	<0.2	36.7	5.81	2	<2	12	7100	17/02/2021	Changes in process have had some impact. Further improvement being looked at.
15/03/2021	22/03/2021	7.7	513	344	37	<0.2	14.1	1.63	<1	<2	5	6800000	23/03/2021	Heavy rainfall (100mm)in the days prior to sampling adversely affected the disinfection process
30/03/2021	6/04/2021	7.3			20	<0.2	24.9	3.51		<2	6	430000	13/04/2021	Retest following unusual rainfall at previous sampling event
No of samples taken		13	12	12	13	13	13	13	12	13	13	13		
Samples/year required by EPA	Monthly (12)				Monthly (12)	Monthly (12)	Monthly (12)	Monthly (12)		Monthly (12)	Monthly (12)	Monthly (12)		
Minimum		6.9	513	344	11	0.1	14.1	1.63	1	1	5	6		
Average		7.4	851	570	26	0.1	42.2	5.90	9	2	19	572030		
Maximum		7.7	1100	737	37	0.1	57.7	8.00	29	6	33	6800000		
Samples within limits (%)		100			100	100	23	100		100	85			

SEWER TREATMENT PLANTS - Environmental Compliance													01 April 2020 -31 March 2021	
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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	
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													
8/04/2020	20/04/2020					<0.2							3/08/2020	
12/05/2020	20/05/2020					<0.2							3/08/2020	
9/06/2020	17/06/2020					<0.2							3/08/2020	
6/07/2020	13/07/2020					<0.2							3/08/2020	
11/08/2020	19/08/2020					<0.2							20/08/2020	
14/09/2020	21/09/2020	7.8	367	246	2	<0.2	0.9	0.05	2	<2	<2	160	21/09/2020	
15/10/2020	22/10/2020					<0.2							22/10/2020	
18/11/2020	25/11/2020					<0.2							26/11/2020	
16/12/2020	29/12/2020					<0.2							7/01/2021	
14/01/2021	20/01/2021					<0.2							21/01/2021	
11/02/2021	17/02/2021					<0.2							17/02/2021	
15/03/2021	22/03/2021					<0.2							23/03/2021	
No of samples taken		1	1	1	1	12	1	1	1	1	1	1		
EPA required frequency (samples per year)		Annual	(1)		Annual	Monthly	Annual	Annual		Annual (1)	Annual (1)	Annual		
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
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													
14/09/2020	21/09/2020	7.2	346	232	1	<0.2	0.8	0.03	1	<2	<2	66	21/09/2020	
No of samples taken		1	1	1	1	1	1	1	1	1	1	1		
EPA required frequency (samples per year)		Annual (1)			Annual (1)		Annual (1)	Annual (1)		Annual (1)	Annual (1)	Annual (1)		

SEWER TREATMENT PLANTS - Environmental Compliance **01 April 2020 -31 March 2021**

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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)				
Limits		KL	KL			
Units	Report Generated					
Month						
April	3/08/2020	3974	100	30	30	
May	3/08/2020	2782	100	31	31	
June	3/08/2020	2799	100	30	30	
July	3/08/2020	4577	100	31	31	
August	2/09/2020	4340	100	31	31	
September	1/10/2020	3231	100	30	30	
October	2/11/2020	3561	100	31	31	
November	3/12/2020	3144	100	30	30	
December	7/01/2021	3402	100	31	31	
January	4/02/2021	3561	100	31	31	
February	2/03/2021	3177	100	28	28	
March	1/04/2021	8481	100	31	31	
Yearly TOTAL		47029	100	365	365	