

SEWER TREATMENT PLANTS - Environmental Compliance													01 April 2021 -31 March 2022	
Rylstone Sewage treatment Works Crawell Street, Rylstone 2849 NSW Environment Protection Licence: 1958 http://www.epa.nsw.gov.au/prpoeoapp/														
Monitoring Point 3		pH	EC	TDS (calculated)	TSS	Chlorine total residual	Total Nitrogen	Total Phosphorus	Chlorophyll a	Oil & Grease	BOD	Faecal Coliforms	Report Generated	Comments
Pollutant		6.5-8.5			50	0.5	35	10		10	30			
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													
13/04/2021	21/04/2021	7.5	873	585	16	<0.2	45.9	5.93	2	<2	13	650	21/04/2021	Nitrogen load into the plant being investigated. Extension of nitrification process being looked at.
13/05/2021	20/05/2021	7.6	806	540	14	<0.2	62.8	7.55	2	4	22	470	20/05/2021	Alum dosing system not functional
15/06/2021	22/06/2021	7.7	920	616	19	<0.2	52.0	8.61	<1	3	31	180000	25/06/2021	
15/07/2021	22/07/2021	7.5	846	567	26	<1.0	44.6	6.83	5	5	23	11000	22/07/2021	Chlorine limit of reporting raised by Laboratory due to matrix interference. Inhouse testing on 15/07/2021: 0.4 mg/L chlorine
12/08/2021	19/08/2021	7.6	976	683	18	<0.4	48.6	7.51	5	4	26	30000	19/08/2021	Chlorine limit of reporting raised by Laboratory due to matrix interference. Inhouse testing on 12/08/2021: 0.3 mg/L chlorine
9/09/2021	16/09/2021	7.4	813	545	22	<0.2	34.5	5.37	14	<2	12	95000	16/09/2021	
No sample for October	No sample													
23/11/2021	30/11/2021	7.4	758	508	24	<0.2	7.7	4.38	103	<2	14	15000	1/12/2021	No discharge from 6/10/21 due to effluent filling the tertiary ponds
13/12/2021	20/12/2021	7.6	743	498	4	<0.2	9.1	4.52	3	<2	2	4300	21/12/2021	
12/01/2022	19/01/2022	7.4	688	461	21	<0.2	7.3	4.73	36	<2	12	12000	19/01/2022	
14/02/2022	21/02/2022	7.4	735	492	39	<0.4	4.8	4.96	71	<2	7	91	24/02/2022	
15/03/2022	22/03/2022	7.6	648	434	20	<0.2	3.2	3.10	11	<2	4	480	23/02/2022	
No of samples taken		11	11	11	11	11	11	11	10	11	11	11		
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		7.4	648	434	4.0	0.1	3.2	3.10	2	1.0	2.0	91		
Average		7.5	801	539	20.3	0.1	29.1	5.77	25	2.1	15.1	31726		
Maximum		7.7	976	683.2	39	0.5	62.8	8.61	103	5.0	31	180000		
Samples within limits (%)		100			100	100	55	100		100	91			

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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	
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														
13/04/2021	21/04/2021													21/04/2021	
13/05/2021	20/05/2021													20/05/2021	
15/06/2021	22/06/2021													25/06/2021	
15/07/2021	22/07/2021													22/07/2021	
12/08/2021	19/08/2021													19/08/2021	
9/09/2021	16/09/2021	7.5	607	407	2	<0.2	0.6	0.04	1	<2	<2	600	16/09/2021		
No sample														3/11/2021	No discharge from 6/10/21 due to effluent filling the tertiary ponds
13/11/2021	30/11/2021													1/12/2021	
13/12/2021	20/12/2021													21/12/2021	
12/01/2022	19/01/2022													19/01/2022	
14/02/2022	21/02/2022													24/02/2022	
15/03/2022	22/03/2022													23/03/2022	
No of samples taken		1	1	1	1	11	4	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															
Average															
Maximum															

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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														
15/06/2021	22/06/2021													25/06/2021	
15/07/2021	22/07/2021													22/07/2021	
12/08/2021	19/08/2021													19/08/2021	
9/09/2021	16/09/2021	7.4	585	392	2	<0.2	0.5	0.03	<1	<2	<2	28	16/09/2021		
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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Rylstone Sewage treatment Works Crawell Street, Rylstone 2849 NSW Environment Protection Licence: 1958						
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	14/05/2021	2908	100	30	30	
May	1/06/2021	2942	100	31	31	
June	6/07/2021	3639	100	30	30	
July	3/08/2021	4758	100	31	31	
August	3/09/2021	3538	100	31	31	
September	6/10/2021	3380	100	30	30	
October	3/11/2021	3202	100	31	31	
November	1/12/2021	4560	100	30	30	
December	6/01/2022	4181	100	31	31	
January	2/02/2022	3792	100	31	31	
February	2/03/2022	2714	100	28	28	
March	5/04/2022	4298	100		31	
Yearly TOTAL		43912	100	334	365	