

## SEWER TREATMENT PLANTS - Environmental Compliance

01 April 2024 -31 March 2025

Kandos Sewage treatment Works

Rylstone Road Kandos NSW 2848

Environment Protection Licence: 1737

<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														
15/04/2024	22/04/2024	9.2	1010	677	51	<0.2	16.5	3.13	54	<2	10	10000	23/04/2024	Duplicate laboratory TSS testing was 50 mg/L. Elevated TSS potentially due to algae dying as pH decreased from 10.4 to 9.2	
15/05/2024	21/05/2024	8.1	1270	851	18	<0.2	15.0	2.61	2	3	8	2	22/05/2024		
11/06/2024	18/06/2024	7.8	1530	1025	7	<0.2	23.7	4.13	<1	<2	8	12	19/06/2024		
9/07/2024	16/07/2024	7.9	1620	1085	12	<0.2	25.7	4.24	37	2	5	2	17/07/2024		
6/08/2024	13/08/2024	7.6	1750	1173	45	<0.2	26.4	4.23	<1	5	8	<1	14/08/2024		
10/09/2024	17/09/2024	7.8	1830	1226	17	<0.2	19.7	3.77	<1	<2	4	29	18/09/2024		
9/10/2024	16/10/2024	8.0	1840	1233	6	<0.2	18.0	5.22	1	<2	8	870	24/10/2024		
6/11/2024	13/11/2024	8.8	1650	1106	45	<0.2	15.4	3.48	102	<2	18	10000	14/11/2024		pH above the limit with elevated Chlorophyll a indicating algal growth. Effluent leaving the STP to enter lagoon had a pH of 7.44 on 6/11/2024
10/12/2024	16/12/2024	10.6	1260	844	58	<0.4	8.4	0.75	225	<2	7	<1	17/12/2024		pH and TSS above the limit with elevated Chlorophyll a indicating algal growth. Effluent leaving the STP to enter lagoon had a pH of 7.56 on 10/12/2024
7/01/2025	15/01/2025	10.4	1220	817	30	<0.2	10.7	0.49	49	<2	14	3	15/01/2025	pH above the limit indicating algal growth. Effluent leaving the STP to enter lagoon had a pH of 7.15 on 7/01/2025	
4/02/2025	12/02/2025	10.3	1160	777	26	<0.2	7.7	0.64	20	<2	8	<1	13/02/2025	pH above the limit indicating algal growth. Effluent leaving the STP to enter lagoon had a pH of 7.3 on 4/02/2025	
12/03/2025	19/03/2025	9.0	1110	744	24	<0.2	5.6	4.34	89	<2	15	7500	21/03/2025	pH above the limit indicating algal growth. Effluent leaving the STP to enter lagoon had a pH of 7.28 on 12/03/2025	
No of samples taken		12	12	12	12	12	12	12	9	12	12	12			
Samples/year required by EPA		12			12	12	12	12		12	12	12			
Minimum		7.6	1010	677	6.0	0.1	5.6	0.49	1	1.0	4.0	2.0			
Average		8.8	1438	963	28.3	0.1	16.1	3.09	64	1.6	9.4	3158			
Maximum		10.6	1840	1232.8	58	0.2	26.4	5.22	225	5	18	10000			
Samples within limits (%)		50			83	100	100	100		100	100				

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Kandos STP								
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Monitoring Point 1		Min	Max	Average	Month within Limits (%)	No of reading taken	Number of reading required	Comments
Frequency: daily		1800 KL/Day	1800 KL/Day	1800 KL/Day	1800 KL/Day			
Limits		1800 KL/Day	1800 KL/Day	1800 KL/Day	1800 KL/Day			
Units	Report	KL	KL	KL	KL			
Month	Generated							
April	1/05/2024	263	1682	399	100	30	30	
May	3/06/2024	275	655	329	100	31	31	
June	1/07/2024	296	676	381	100	30	30	
July	5/08/2024	334	987	434	100	31	31	
August	2/09/2024	362	1148	464	100	31	31	
September	3/10/2024	356	543	414	100	30	30	
October	12/11/2024	336	546	417	100	31	31	
November	5/12/2024	319	695	388	100	30	30	
December	2/01/2025	300	1107	440	100	31	31	
January	4/02/2025	246	563	341	100	31	31	
February	4/03/2025	90	767	286	100	28	28	
March	1/04/2025	236	784	345	100	31	31	