

| SEWER TREATMENT PLANTS - Environmental Compliance | | | | | | | | | | | | | 01 April 2021 -31 March 2022 | |
|--|-----------------------|---------|-------|------------------|-------|-------------------------|----------------|------------------|---------------|--------------|------|------------------|------------------------------|---|
| Kandos Sewage treatment Works Rylstone Road Kandos NSW 2848 Environment Protection Licence: 1737 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 | 8.4 | 1250 | 838 | 17 | <0.2 | 12.3 | 2.47 | 28 | <2 | 7 | 28 | 21/04/2021 | |
| 13/05/2021 | 20/05/2021 | 8.6 | 1250 | 838 | 10 | <0.2 | 14.9 | 1.81 | 6 | <2 | 2 | 64 | 20/05/2021 | pH just above the licence limit. Algae still present |
| 15/06/2021 | 22/06/2021 | 7.8 | 1260 | 844 | 2 | <0.2 | 20.0 | 3.70 | <1 | <2 | 7 | 31 | 25/06/2021 | |
| 15/07/2021 | 21/07/2021 | 7.8 | 1506 | 1009 | 5 | <0.2 | 20.2 | 2.65 | 4 | <2 | 4 | 180 | 22/07/2021 | |
| 12/08/2021 | 19/08/2021 | 7.8 | 1800 | 1206 | 8 | <0.2 | 19.2 | 2.34 | 4 | <2 | 2 | 4 | 20/08/2021 | |
| 9/09/2021 | 16/09/2021 | 8.1 | 1760 | 1179 | 12 | <0.2 | 16.1 | 2.38 | 3 | <2 | 4 | 10 | 16/09/2021 | |
| 11/10/2021 | 18/10/2021 | 9.9 | 1670 | 1119 | 52 | <0.4 | 14.4 | 1.45 | 76 | <2 | 3 | 9 | 20/10/2021 | pH and TSS elevated due to algae growth in the pond. |
| 10/11/2021 | 17/11/2021 | 9.9 | 1520 | 1018 | 31 | <0.2 | 9.2 | 0.94 | 39 | <2 | <2 | 50 | 22/11/2021 | pH elevated due to algae growth in the pond |
| 13/12/2021 | 20/12/2021 | 10.6 | 1410 | 945 | 30 | <0.2 | 7.1 | 0.23 | 45 | <2 | 3 | <1 | 21/12/2021 | pH elevated due to algae growth in the pond |
| 12/01/2022 | 19/01/2022 | 9.2 | 1301 | 872 | 24 | <0.2 | 8.5 | 0.91 | 13 | <2 | 9 | 4600 | 19/01/2022 | pH elevated due to algae growth in the pond |
| 14/02/2022 | 21/02/2022 | 9.6 | 1520 | 1018 | 53/47 | <0.4 | 7.5 | 0.68 | 45 | <2 | 6 | 300 | 23/02/2022 | Sample done as a duplicate by ALS with one result above limit and one below limit. TSS increase due to algae (chlorophyll a increase) |
| 15/03/2022 | 22/03/2022 | 10.7 | 1180 | 791 | 42 | <0.2 | 7.2 | 0.40 | 8 | <2 | 2 | 1 | 23/03/2022 | pH elevated due to algae growth in the pond |
| No of samples taken | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 12 | 12 | 12 | | |
| Samples/year required by EPA | | 12 | | | 12 | 12 | 12 | 12 | | 12 | 12 | 12 | | |
| Minimum | | 7.8 | 1180 | 791 | 2.0 | 0.1 | 7.1 | 0.23 | 3 | 1.0 | 1.0 | 1.0 | | |
| Average | | 9.0 | 1452 | 973 | 21.2 | 0.1 | 13.1 | 1.66 | 25 | 1.0 | 4.2 | 480 | | |
| Maximum | | 10.7 | 1800 | 1206 | 52 | 0.2 | 20.2 | 3.70 | 76 | 1 | 9 | 4600 | | |
| Samples within limits (%) | | 42 | | | 83 | 100 | 100 | 100 | | 100 | 100 | | | |

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|---|------------|------------------------------|-------------|-------------|-------------------------|---------------------|----------------------------|--|
| Kandos STP | | | | | | | | |
| Rylstone Road Kandos NSW 2848 | | | | | | | | |
| Environment Protection Licence: 1737 | | | | | | | | |
| Monitoring Point 1 | | Min | Max | Average | Month within Limits (%) | No of reading taken | Number of reading required | Comments |
| Frequency: daily | | | | | | | | |
| Limits | | 1800 KL/Day | 1800 KL/Day | 1800 KL/Day | 1800 KL/Day | | | |
| Units | Report | KL | KL | KL | KL | | | |
| Month | Generated | | | | | | | |
| April | 14/05/2021 | 261 | 317 | 284 | 100 | 30 | 30 | |
| May | 1/06/2021 | 200 | 339 | 274 | 100 | 31 | 31 | |
| June | 6/07/2021 | 264 | 861 | 420 | 100 | 30 | 30 | |
| July | 3/08/2021 | 381 | 1049 | 565 | 100 | 31 | 31 | |
| August | 2/09/2021 | 375 | 1271 | 470 | 100 | 31 | 31 | |
| September | 6/10/2021 | 331 | 738 | 408 | 100 | 30 | 30 | |
| October | 3/11/2021 | 262 | 584 | 345 | 100 | 31 | 31 | |
| November | 1/12/2021 | 276 | 1445 | 538 | 100 | 30 | 30 | |
| December | 6/01/2022 | 301 | 1290 | 453 | 100 | 31 | 31 | |
| January | 2/02/2022 | 136 | 935 | 298 | 100 | 26 | 31 | Flow meter failure following work on power lines |
| February | 2/03/2022 | 182 | 386 | 241 | 100 | 28 | 28 | |
| March | 1/04/2022 | 195 | 2123 | 469 | 94 | 31 | 31 | 8 and 9/03 above 1800KL |