

Tuross Sewage Treatment Plant - Monthly Result Summary - March 2022



Anniversary Date: 1-Apr-21
Published Date: 23-May-22

Licensee: Eurobodalla Shire Council
EPL No.: 3108
Premises: Tuross Sewage Treatment Plant
Address: 217 Kelly Road, Bingie, NSW, 2537
Licence Period: 01-Apr-21 to 31-Mar-22
EPL Link: <https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=183820&SYSUID=1&LICID=3108>
POEO Public Register: <https://apps.epa.nsw.gov.au/prpoeoapp/>

Required Month: **Mar-22**

| Licence Point 1 (Discharge to Waters) and 4 (Discharge to Utilisation Area) - Concentration Limits | | | |
|--|-----------------|-----------------------------------|------------------------------------|
| Parameters | Unit of Measure | 50 percentile concentration limit | 100 percentile concentration limit |
| Biological Oxygen Demand | (mg/L) | 15 | 20 |
| Oil and Grease | (mg/L) | | 10 |
| Total Suspended Solids | (mg/L) | 20 | 30 |
| Total Nitrogen | (mg/L) | | |
| Total Phosphorus | (mg/L) | | |

See Note 1

Note 1: A 100 Percentile Concentration Limit of "10 mg/L and no visible oil and grease" applies for Point 1.

Note 2: The monitoring at Point 3, required by Condition M2.1, is conducted by the licensee to determine compliance with limits specified for discharges to Points 1 and 4 as described in Condition L3.

| Licence Point 3 - Effluent Quality Monitoring (Monthly Results) | | | | | | | |
|---|---------------------------------|-----------------------|-------------------------------|--------------------------|--------------------------|---------------|----------|
| Sample Frequency | Monthly Composite Sample | Monthly Grab Sample | Monthly Composite Sample | Monthly Composite Sample | Monthly Composite Sample | | |
| Sampling Method | Biological Oxygen Demand (mg/L) | Oil and Grease (mg/L) | Total Suspended Solids (mg/L) | Total Nitrogen (mg/L) | Total Phosphorus (mg/L) | Obtained Date | |
| Sampled Date | 22-Mar-22 | 4.00 | <5 | 6.00 | 5.26 | 0.35 | 2-Apr-22 |
| 100 Percentile Exceedance? | NO | NO | NO | NO | NO | | |

* Special Frequency 2: at least weekly during the months of November, December, January, February and March

| Licence Point 3 - Effluent Quality Monitoring (Year To Date Results) | | | | | |
|--|---------------------------------|-----------------------|-------------------------------|-----------------------|-------------------------|
| Year to Date | Biological Oxygen Demand (mg/L) | Oil and Grease (mg/L) | Total Suspended Solids (mg/L) | Total Nitrogen (mg/L) | Total Phosphorus (mg/L) |
| Samples | 13 | 13 | 13 | 13 | 13 |
| Min | 4.00 | <5 | 6.00 | 2.86 | 0.35 |
| Mean | 5.92 | 2.50 | 14.23 | 8.87 | 3.36 |
| Median (50th %ile) | 5.00 | 2.50 | 13.00 | 7.72 | 3.28 |
| 90th %ile | 8.00 | 2.50 | 19.20 | 17.34 | 5.50 |
| Max (100th %ile) | 9.00 | <5 | 35.00 | 18.60 | 5.60 |

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Licence Point 2 - Influent Volume Monitoring

| Sample Frequency | Daily (Continuous) | Maximum Daily flow (kL) | 7000 |
|-----------------------------|-----------------------|-------------------------|---------------------|
| Sampling Method | Ultrasonic Flow Meter | | |
| Sample Date | Rainfall (mm) | Plant Inflow (kL) | Exceedance (YES/NO) |
| 1-Mar-22 | 1 | 1480.0 | NO |
| 2-Mar-22 | 27 | 3320.0 | NO |
| 3-Mar-22 | 27.4 | 2550.0 | NO |
| 4-Mar-22 | 17.8 | 1570.0 | NO |
| 5-Mar-22 | 0.2 | 1740.0 | NO |
| 6-Mar-22 | 34.2 | 2300.0 | NO |
| 7-Mar-22 | 38.6 | 3360.0 | NO |
| 8-Mar-22 | 52.6 | 4380.0 | NO |
| 9-Mar-22 | 52.2 | 1710.0 | NO |
| 10-Mar-22 | 0 | 1090.0 | NO |
| 11-Mar-22 | 0 | 880.0 | NO |
| 12-Mar-22 | 0 | 780.0 | NO |
| 13-Mar-22 | 0.8 | 740.0 | NO |
| 14-Mar-22 | 0 | 650.0 | NO |
| 15-Mar-22 | 7 | 650.0 | NO |
| 16-Mar-22 | 4 | 600.0 | NO |
| 17-Mar-22 | 2.2 | 610.0 | NO |
| 18-Mar-22 | 0 | 590.0 | NO |
| 19-Mar-22 | 0 | 850.0 | NO |
| 20-Mar-22 | 11.2 | 680.0 | NO |
| 21-Mar-22 | 0 | 560.0 | NO |
| 22-Mar-22 | 0 | 540.0 | NO |
| 23-Mar-22 | 6.2 | 590.0 | NO |
| 24-Mar-22 | 0 | 520.0 | NO |
| 25-Mar-22 | 0.4 | 520.0 | NO |
| 26-Mar-22 | 0 | 580.0 | NO |
| 27-Mar-22 | 11.4 | 620.0 | NO |
| 28-Mar-22 | 1 | 560.0 | NO |
| 29-Mar-22 | 0 | 550.0 | NO |
| 30-Mar-22 | 6.2 | 500.0 | NO |
| 31-Mar-22 | 6.4 | 800.0 | NO |
| Monthly Total | 307.8 | 36870.0 | |
| Monthly Minimum | 0 | 500 | |
| Monthly Mean | 9.93 | 1189.35 | |
| Monthly Maximum | 52.6 | 4380 | |
| Year to Date Total | 1359.2 | 227411.68 | |
| Year to Date Minimum | 0 | 291 | |
| Year to Date Mean | 3.723835616 | 623.0456986 | |
| Year to Date Maximum | 86.4 | 4380 | |

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Monthly Exceedance Report

| Date | Exceedance Type | Parameter | Description / Action |
|------|-----------------|-----------|----------------------|
| | | | |

EPA Licence Point Map

