

Tuross Sewage Treatment Plant - Monthly Result Summary - September 2022



Anniversary Date: 1-Apr-21
Published Date: 14-Oct-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: **Sep-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 | 6-Sep-22 | 6.00 | <5 | 12.00 | 14.90 | 3.12 | 20-Sep-22 |
| 100 Percentile Exceedance? | NO | NO | NO | NO | NO | | |

| 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 | 6 | 6 | 6 | 6 | 6 |
| Min | <2 | <5 | 3.00 | 5.03 | 1.44 |
| Mean | 4.00 | 2.50 | 6.50 | 12.06 | 2.24 |
| Median (50th %ile) | 4.50 | 2.50 | 6.00 | 14.25 | 2.29 |
| 90th %ile | 5.50 | 2.50 | 9.50 | 15.45 | 2.96 |
| Max (100th %ile) | 6.00 | <5 | 12.00 | 16.00 | 3.12 |

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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-Sep-22 | 0 | 398.2 | NO |
| 2-Sep-22 | 0 | 400.9 | NO |
| 3-Sep-22 | 0 | 441.2 | NO |
| 4-Sep-22 | 0 | 415.1 | NO |
| 5-Sep-22 | 0 | 403.9 | NO |
| 6-Sep-22 | 0 | 378.6 | NO |
| 7-Sep-22 | 0.2 | 395.6 | NO |
| 8-Sep-22 | 0.8 | 379.2 | NO |
| 9-Sep-22 | 5.2 | 406.8 | NO |
| 10-Sep-22 | 7.2 | 478.6 | NO |
| 11-Sep-22 | 0 | 482.7 | NO |
| 12-Sep-22 | 6 | 420.0 | NO |
| 13-Sep-22 | 3.2 | 414.2 | NO |
| 14-Sep-22 | 0.4 | 405.8 | NO |
| 15-Sep-22 | 1.8 | 401.2 | NO |
| 16-Sep-22 | 0.4 | 443.6 | NO |
| 17-Sep-22 | 0 | 477.9 | NO |
| 18-Sep-22 | 0 | 471.7 | NO |
| 19-Sep-22 | 0 | 409.6 | NO |
| 20-Sep-22 | 0 | 400.6 | NO |
| 21-Sep-22 | 3.2 | 394.2 | NO |
| 22-Sep-22 | 46.6 | 1381.9 | NO |
| 23-Sep-22 | 2.6 | 679.3 | NO |
| 24-Sep-22 | 5 | 718.6 | NO |
| 25-Sep-22 | 0.2 | 674.4 | NO |
| 26-Sep-22 | 0 | 558.8 | NO |
| 27-Sep-22 | 0.2 | 674.4 | NO |
| 28-Sep-22 | 50 | 2079.1 | NO |
| 29-Sep-22 | 16 | 2230.9 | NO |
| 30-Sep-22 | 54.4 | 3150.2 | NO |
| Monthly Total | 203.4 | 20966.8 | |
| Monthly Minimum | 0 | 378.6 | |
| Monthly Mean | 6.78 | 698.89 | |
| Monthly Maximum | 54.4 | 3150.18 | |
| Year to Date Total | 401.5 | 108302.97 | |
| Year to Date Minimum | 0 | 367.63 | |
| Year to Date Mean | 2.193989071 | 591.8195082 | |
| Year to Date Maximum | 54.4 | 3494 | |

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Monthly Exceedance Report

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

EPA Licence Point Map

