

Narooma Sewage Treatment Plant - Monthly Result Summary - July 2024



Anniversary Date: 1-Apr-24
Published Date: 5-Aug-24

Licensee: Eurobodalla Shire Council

EPL No.: 1398

Premises: Narooma Sewage Treatment Plant

Address: Lakeside Drive, Narooma, NSW 2546

Licence Period: 01-Apr-24 to 31-Mar-25

EPL Link: <https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=206031&SYSUID=1&LICID=1398>

POEO Public Register: <https://apps.epa.nsw.gov.au/prpoeoapp/>

Required Month: Jul-24

Licence Point 1 - Discharge to Waters - Point 1 Concentration Limits

| Parameters | Unit of Measure | 90 percentile concentration limit | 100 percentile concentration limit |
|--------------------------|-----------------|-----------------------------------|------------------------------------|
| Biological Oxygen Demand | (mg/L) | 10 | 15 |
| Oil and Grease | (mg/L) | 5 | 10 |
| pH | (pH Units) | - | 6.5-8.5 |
| Total Suspended Solids | (mg/L) | 15 | 25 |
| Chlorophyll a | (mg/m3) | - | - |
| Faecal Coliforms | (CFU/100mL) | 200 | 600 |
| Total Nitrogen | (mg/L) | 15 | 20 |
| Total Phosphorus | (mg/L) | 8 | 10 |
| Ammonia | (mg/L) | 2 | 5 |

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 Point 1 as described in Condition L3.

Licence Point 3 - Effluent Quality Monitoring (Monthly Results)

| Sample Frequency | 6 Times Per Year | 6 Times Per Year | 6 Times Per Year | 6 Times Per Year | 6 Times Per Year | 6 Times Per Year | 6 Times Per Year | 6 Times Per Year | |
|----------------------------|---------------------------------|-----------------------|------------------|-------------------------------|-----------------------|-----------------------|-------------------------|------------------|---------------|
| Sampling Method | Composite Sample | Grab Sample | Grab Sample | Composite Sample | Grab Sample | Composite Sample | Composite Sample | Grab Sample | |
| Sampled Date | Biological Oxygen Demand (mg/L) | Oil and Grease (mg/L) | pH (pH Units) | Total Suspended Solids (mg/L) | Chlorophyll a (mg/m3) | Total Nitrogen (mg/L) | Total Phosphorus (mg/L) | Ammonia (mg/L) | Obtained Date |
| 9-Jul-24 | <2 | <5 | 7.60 | 9.00 | 4.70 | 11.80 | 5.12 | 0.24 | 23-Jul-24 |
| 100 Percentile Exceedance? | NO | NO | NO | 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) | pH (pH Units) | Total Suspended Solids (mg/L) | Chlorophyll a (mg/m3) | Total Nitrogen (mg/L) | Total Phosphorus (mg/L) | Ammonia (mg/L) |
|--------------------|---------------------------------|-----------------------|---------------|-------------------------------|-----------------------|-----------------------|-------------------------|----------------|
| Samples | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Min | <2 | <5 | 7.10 | 2.00 | 2.60 | 7.27 | 3.660 | 0.24 |
| Mean | 1.25 | 2.50 | 7.38 | 7.25 | 3.65 | 9.60 | 4.535 | 0.97 |
| Median (50th %ile) | 1.00 | 2.50 | 7.40 | 8.50 | 3.65 | 9.66 | 4.680 | 0.90 |
| 90th %ile | 1.70 | 2.50 | 7.54 | 9.70 | 4.40 | 11.71 | 5.042 | 1.59 |
| Max (100th %ile) | 2.00 | <5 | 7.60 | 10.00 | 4.70 | 11.80 | 5.120 | 1.84 |

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Licence Point 2 - Influent Volume Monitoring

| Sample Frequency | Daily (Continuous) | Maximum Daily flow (kL) | 20000 |
|----------------------|-----------------------|-------------------------|---------------------|
| Sampling Method | Ultrasonic Flow Meter | | |
| Sample Date | Rainfall (mm) | Plant Inflow (kL) | Exceedance (YES/NO) |
| 1-Jul-24 | 0 | 1447.7 | NO |
| 2-Jul-24 | 5.8 | 1794.0 | NO |
| 3-Jul-24 | 0.6 | 1829.0 | NO |
| 4-Jul-24 | 13.2 | 2780.0 | NO |
| 5-Jul-24 | 0.2 | 2347.0 | NO |
| 6-Jul-24 | 0 | 1886.0 | NO |
| 7-Jul-24 | 1.8 | 1749.0 | NO |
| 8-Jul-24 | 2 | 1789.0 | NO |
| 9-Jul-24 | 0 | 1804.3 | NO |
| 10-Jul-24 | 0.2 | 1695.1 | NO |
| 11-Jul-24 | 0.2 | 1602.8 | NO |
| 12-Jul-24 | 0 | 1618.9 | NO |
| 13-Jul-24 | 0 | 1635.8 | NO |
| 14-Jul-24 | 0 | 1683.6 | NO |
| 15-Jul-24 | 3 | 1632.2 | NO |
| 16-Jul-24 | 2 | 1618.9 | NO |
| 17-Jul-24 | 0 | 1470.5 | NO |
| 18-Jul-24 | 0 | 1495.2 | NO |
| 19-Jul-24 | 0 | 1541.9 | NO |
| 20-Jul-24 | 0 | 1473.8 | NO |
| 21-Jul-24 | 0 | 1399.6 | NO |
| 22-Jul-24 | 0 | 1436.7 | NO |
| 23-Jul-24 | 0 | 1390.0 | NO |
| 24-Jul-24 | 0 | 1404.4 | NO |
| 25-Jul-24 | 0 | 1345.7 | NO |
| 26-Jul-24 | 0 | 1372.0 | NO |
| 27-Jul-24 | 0 | 1408.7 | NO |
| 28-Jul-24 | 0 | 1339.7 | NO |
| 29-Jul-24 | 0 | 1339.1 | NO |
| 30-Jul-24 | 0 | 1339.7 | NO |
| 31-Jul-24 | 0 | 1305.8 | NO |
| Monthly Total | 29.00 | 49975.77 | |
| Monthly Minimum | 0.00 | 1305.76 | |
| Monthly Mean | 0.94 | 1612.12 | |
| Monthly Maximum | 13.20 | 2780.00 | |
| Year to Date Total | 492.10 | 253731.74 | |
| Year to Date Minimum | 0.00 | 1305.76 | |
| Year to Date Mean | 4.03 | 2079.77 | |
| Year to Date Maximum | 80.60 | 10775.24 | |

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| Licence Point 3 - Effluent Quality Monitoring (Monthly Results) | | |
|---|------------------------------|---------------|
| Frequency | Special Frequency 2* | |
| Sampling Method | Grab Sample | |
| Sampled Date | Faecal Coliforms (CFU/100mL) | Obtained Date |
| | | |

| Licence Point 4 - Ambient Water Monitoring (Monthly Results) | | |
|--|------------------------------|---------------|
| Frequency | Special Frequency 2* | |
| Sampling Method | Grab Sample | |
| Sampled Date | Faecal Coliforms (CFU/100mL) | Obtained Date |
| | | |

| Licence Point 5 - Ambient Water Monitoring (Monthly Results) | | |
|--|------------------------------|---------------|
| Frequency | Special Frequency 2* | |
| Sampling Method | Grab Sample | |
| Sampled Date | Faecal Coliforms (CFU/100mL) | Obtained Date |
| | | |

* 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 | Faecal Coliforms (CFU/100mL) |
| Samples | |
| Min | |
| Mean | |
| Median (50th %ile) | |
| 90th %ile | |
| Max (100th %ile) | |

| Licence Point 4 - Ambient Water Monitoring (Year to Date Results) | |
|---|------------------------------|
| Year to Date | Faecal Coliforms (CFU/100mL) |
| Samples | |
| Min | |
| Mean | |
| Median (50th %ile) | |
| 90th %ile | |
| Max (100th %ile) | |

| Licence Point 5 - Ambient Water Monitoring (Year to Date Results) | |
|---|------------------------------|
| Year to Date | Faecal Coliforms (CFU/100mL) |
| Samples | |
| Min | |
| Mean | |
| Median (50th %ile) | |
| 90th %ile | |
| Max (100th %ile) | |

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

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EPA Licence Point Map

