

Narooma Sewage Treatment Plant - Monthly Result Summary - January 2024



Anniversary Date: 1-Apr-23
Published Date: 5-Feb-24

Licensee: Eurobodalla Shire Council
EPL No.: 1398
Premises: Narooma Sewage Treatment Plant
Address: Lakeside Drive, Narooma, NSW 2546

Licence Period: 01-Apr-23 to 31-Mar-24

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: Jan-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
23-Jan-24	3.00	<5	8.40	8.00	<0.2	9.77	4.82	0.17	2-Feb-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	11	11	11	11	11	11	11	11
Min	<2	<5	7.40	<2	0.10	1.40	4.480	0.06
Mean	1.55	2.50	8.05	2.45	2.23	4.62	6.549	0.56
Median (50th %ile)	1.00	2.50	7.90	2.00	1.70	2.37	6.120	0.17
90th %ile	3.00	2.50	8.80	4.00	3.00	10.20	8.640	0.28
Max (100th %ile)	3.00	<5	9.00	8.00	10.00	10.60	10.600	4.60

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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-Jan-24	0	2393.5	NO
2-Jan-24	0	2384.8	NO
3-Jan-24	1.2	2315.2	NO
4-Jan-24	2.8	2139.4	NO
5-Jan-24	1.2	2140.8	NO
6-Jan-24	0	2107.1	NO
7-Jan-24	0	2006.1	NO
8-Jan-24	8.6	2050.6	NO
9-Jan-24	0.2	2072.3	NO
10-Jan-24	0	2019.2	NO
11-Jan-24	0.4	1835.6	NO
12-Jan-24	0.2	1982.3	NO
13-Jan-24	4.4	1930.4	NO
14-Jan-24	0.2	1804.8	NO
15-Jan-24	1.6	1787.3	NO
16-Jan-24	2.8	1817.8	NO
17-Jan-24	8.8	1929.0	NO
18-Jan-24	0	1834.4	NO
19-Jan-24	0	1857.9	NO
20-Jan-24	0	1760.7	NO
21-Jan-24	8.8	1721.2	NO
22-Jan-24	10.8	1735.4	NO
23-Jan-24	0	2170.5	NO
24-Jan-24	0	1815.7	NO
25-Jan-24	0.6	1827.4	NO
26-Jan-24	0.6	2042.5	NO
27-Jan-24	0.2	1915.0	NO
28-Jan-24	0	1776.7	NO
29-Jan-24	0	1566.7	NO
30-Jan-24	0	1508.8	NO
31-Jan-24	0	1508.8	NO
Monthly Total	53.40	59757.73	
Monthly Minimum	0.00	1508.76	
Monthly Mean	1.72	1927.67	
Monthly Maximum	10.80	2393.52	
Year to Date Total	763.60	517498.01	
Year to Date Minimum	0.00	1226.00	
Year to Date Mean	2.50	1691.17	
Year to Date Maximum	84.80	9030.91	

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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
2-Jan-24	8600	5-Jan-24
9-Jan-24	5200	22-Jan-24
16-Jan-24	820	23-Jan-24
23-Jan-24	410	2-Feb-24
30-Jan-24	220	3-Feb-24
100 Percentile Exceedance?	YES	

Licence Point 4 - Ambient Water Monitoring (Monthly Results)		
Frequency	Special Frequency 2*	
Sampling Method	Grab Sample	
Sampled Date	Faecal Coliforms (CFU/100mL)	Obtained Date
2-Jan-24	5	5-Jan-24
9-Jan-24	220	22-Jan-24
16-Jan-24	25	23-Jan-24
23-Jan-24	15	2-Feb-24
30-Jan-24	<1	3-Feb-24

Licence Point 5 - Ambient Water Monitoring (Monthly Results)		
Frequency	Special Frequency 2*	
Sampling Method	Grab Sample	
Sampled Date	Faecal Coliforms (CFU/100mL)	Obtained Date
2-Jan-24	6	5-Jan-24
9-Jan-24	7	22-Jan-24
16-Jan-24	2	23-Jan-24
23-Jan-24	6	2-Feb-24
30-Jan-24	<1	3-Feb-24

* 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	13
Min	36
Mean	5181.38
Median (50th %ile)	820
90th %ile	7920
Max (100th %ile)	44000

Licence Point 4 - Ambient Water Monitoring (Year to Date Results)	
Year to Date	Faecal Coliforms (CFU/100mL)
Samples	13
Min	<1
Mean	63.85
Median (50th %ile)	5
90th %ile	181
Max (100th %ile)	540

Licence Point 5 - Ambient Water Monitoring (Year to Date Results)	
Year to Date	Faecal Coliforms (CFU/100mL)
Samples	13
Min	<1
Mean	19.62
Median (50th %ile)	3
90th %ile	6.8
Max (100th %ile)	220

Monthly Exceedance Report			
Date	Exceedance Type	Parameter	Description / Action
2-Jan-24	Concentration limits	Faecal Coliforms	Faecal Coliforms (8'600 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3
9-Jan-24	Concentration limits	Faecal Coliforms	Faecal Coliforms (5'200 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3
16-Jan-24	Concentration limits	Faecal Coliforms	Faecal Coliforms (820 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3
23-Jan-24	Concentration limits	Faecal Coliforms	Faecal Coliforms (410 CFU/100mL) exceeded 90 percentile concentration limit (200 CFU/100mL) at monitoring point 3
30-Jan-24	Concentration limits	Faecal Coliforms	Faecal Coliforms (220 CFU/100mL) exceeded 90 percentile concentration limit (200 CFU/100mL) at monitoring point 3

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EPA Licence Point Map

