

Narooma Sewage Treatment Plant - Monthly Result Summary - January 2025



Anniversary Date: 1-Apr-24
Published Date: 6-Feb-25

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: Jan-25

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
21-Jan-25	3.00	<5	7.50	7.00	12.56	12.90	5.22	0.09	31-Jan-25
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	7.10	<2	2.50	3.66	1.400	0.05
Mean	1.64	2.50	8.04	6.27	9.89	8.41	5.335	0.47
Median (50th %ile)	2.00	2.50	7.80	7.00	4.70	7.81	5.220	0.24
90th %ile	2.00	2.50	9.00	10.00	16.20	12.90	7.060	1.02
Max (100th %ile)	3.00	<5	9.90	11.00	35.99	14.10	7.380	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-Jan-25	0	2254.7	NO
2-Jan-25	0	2118.6	NO
3-Jan-25	0	2164.8	NO
4-Jan-25	0	2124.6	NO
5-Jan-25	1.4	2050.0	NO
6-Jan-25	1	2086.4	NO
7-Jan-25	0.6	1964.7	NO
8-Jan-25	0.6	1957.1	NO
9-Jan-25	0	1973.6	NO
10-Jan-25	0.2	2314.8	NO
11-Jan-25	26.6	3535.2	NO
12-Jan-25	13.8	35853.1	YES
13-Jan-25	0.2	2600.8	NO
14-Jan-25	0	1962.0	NO
15-Jan-25	12	2277.3	NO
16-Jan-25	97.6	8916.9	NO
17-Jan-25	9.6	3974.0	NO
18-Jan-25	14.6	3408.4	NO
19-Jan-25	0	2802.7	NO
20-Jan-25	0	2411.3	NO
21-Jan-25	0	2000.5	NO
22-Jan-25	0	1955.1	NO
23-Jan-25	6.2	1885.9	NO
24-Jan-25	4.4	2259.8	NO
25-Jan-25	0	2063.7	NO
26-Jan-25	0.2	1980.6	NO
27-Jan-25	0	1936.3	NO
28-Jan-25	0	1774.6	NO
29-Jan-25	0	1697.4	NO
30-Jan-25	5.4	1707.5	NO
31-Jan-25	0	1679.4	NO
Monthly Total	167.80	109691.60	
Monthly Minimum	0.00	1679.35	
Monthly Mean	5.59	3538.44	
Monthly Maximum	97.60	35853.10	
Year to Date Total	813.90	588521.82	
Year to Date Minimum	0.00	1238.40	
Year to Date Mean	2.67	1923.27	
Year to Date Maximum	97.60	35853.10	

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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
7-Jan-25	34	16-Jan-25
14-Jan-25	1700	22-Jan-25
21-Jan-25	490	31-Jan-25
28-Jan-25	2700	4-Feb-25

Licence Point 4 - Ambient Water Monitoring (Monthly Results)		
Frequency	Special Frequency 2*	
Sampling Method	Grab Sample	
Sampled Date	Faecal Coliforms (CFU/100mL)	Obtained Date
7-Jan-25	9	16-Jan-25
14-Jan-25	5	22-Jan-25
21-Jan-25	<1	31-Jan-25
28-Jan-25	<1	4-Feb-25

Licence Point 5 - Ambient Water Monitoring (Monthly Results)		
Frequency	Special Frequency 2*	
Sampling Method	Grab Sample	
Sampled Date	Faecal Coliforms (CFU/100mL)	Obtained Date
7-Jan-25	<1	16-Jan-25
14-Jan-25	3	22-Jan-25
21-Jan-25	2	31-Jan-25
28-Jan-25	6	4-Feb-25

* 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	2
Mean	507.46
Median (50th %ile)	130
90th %ile	1468
Max (100th %ile)	2700

Licence Point 4 - Ambient Water Monitoring (Year to Date Results)	
Year to Date	Faecal Coliforms (CFU/100mL)
Samples	13
Min	<1
Mean	1.08
Median (50th %ile)	0
90th %ile	4
Max (100th %ile)	9

Licence Point 5 - Ambient Water Monitoring (Year to Date Results)	
Year to Date	Faecal Coliforms (CFU/100mL)
Samples	13
Min	<1
Mean	1.15
Median (50th %ile)	1
90th %ile	2.8
Max (100th %ile)	6

Monthly Exceedance Report			
Date	Exceedance Type	Parameter	Description / Action
14-Jan-25	L3.1 Concentration Limits	Faecal Coliform	Faecal Coliform result (1700 CFU/100ml) exceeded 100 percentile concentration limit (600 CFU/100ml) at monitoring point 3.
21-Jan-25	L3.1 Concentration Limits	Faecal Coliform	Faecal Coliform result (490 CFU/100mL) exceeded 90 percentile concentration limit (200 CFU/100mL) at monitoring point 3.
28-Jan-25	L3.1 Concentration Limits	Faecal Coliform	Faecal Coliform result 2700 CFU/100ml exceeded 100 percentile limit (600 CFU/100ml) at monitoring point 3.

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EPA Licence Point Map

