

Narooma Sewage Treatment Plant - Monthly Result Summary - December 2021



Anniversary Date: 1-Apr-21
Published Date: 14-Jan-22

Licensee: Eurobodalla Shire Council
EPL No.: 1398
Premises: Narooma Sewage Treatment Plant
Address: Lakeside Drive, Narooma, NSW 2546
Licence Period: 01-Apr-21 to 31-Mar-22
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: **Dec-21**

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	Special Frequency 2*	6 Times Per Year	6 Times Per Year	6 Times Per Year	
Sampling Method	Composite Sample	Grab Sample	Grab Sample	Composite Sample	Grab Sample	Grab Sample	Composite Sample	Composite Sample	Grab Sample	Obtained Date
Sampled Date	Biological Oxygen Demand (mg/L)	Oil and Grease (mg/L)	pH (pH Units)	Total Suspended Solids (mg/L)	Chlorophyll a (mg/m3)	Faecal Coliforms (CFU/100mL)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Ammonia (mg/L)	
21-Dec-21	3.00	<5	7.80	10.00	10.90	120	4.37	3.80	0.09	31-Dec-21
100 Percentile Exceedance?	NO	NO	NO	NO	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)	pH (pH Units)	Total Suspended Solids (mg/L)	Chlorophyll a (mg/m3)	Faecal Coliforms (CFU/100mL)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Ammonia (mg/L)	
Samples	10	10	10	10	10	10	10	10	10	
Min	<2	<5	7.20	<2	0.60	2	4.30	2.800	0.04	
Mean	1.40	2.50	7.93	3.80	3.77	240	8.30	4.610	0.25	
Median (50th %ile)	1.00	2.50	7.65	2.00	2.40	115	8.90	4.510	0.12	
90th %ile	2.10	2.50	9.06	9.10	8.29	688	12.71	5.934	0.60	
Max (100th %ile)	3.00	<5	9.60	10.00	10.90	760	12.80	6.600	1.22	

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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-Dec-21	0	1750.0	NO
2-Dec-21	1.2	1730.0	NO
3-Dec-21	0.2	1700.0	NO
4-Dec-21	0	1650.0	NO
5-Dec-21	0.8	1620.0	NO
6-Dec-21	0.2	1640.0	NO
7-Dec-21	0	1630.0	NO
8-Dec-21	0.4	1530.0	NO
9-Dec-21	0	2850.0	NO
10-Dec-21	35	8980.0	NO
11-Dec-21	40.6	4760.0	NO
12-Dec-21	0	2460.0	NO
13-Dec-21	0	2190.0	NO
14-Dec-21	0	1980.0	NO
15-Dec-21	0.2	1790.0	NO
16-Dec-21	2.2	1760.0	NO
17-Dec-21	2.6	1770.0	NO
18-Dec-21	0	1760.0	NO
19-Dec-21	0.2	1720.0	NO
20-Dec-21	2	1750.0	NO
21-Dec-21	0	1740.0	NO
22-Dec-21	0	1740.0	NO
23-Dec-21	1	1700.0	NO
24-Dec-21	1.2	1780.0	NO
25-Dec-21	0	1690.0	NO
26-Dec-21	0	1790.0	NO
27-Dec-21	0	1990.0	NO
28-Dec-21	0.06	2090.0	NO
29-Dec-21	0	2190.0	NO
30-Dec-21	0	2200.0	NO
31-Dec-21	0	2200.0	NO
Monthly Total	87.86	68130.00	
Monthly Minimum	0.00	1530.00	
Monthly Mean	2.83	2197.74	
Monthly Maximum	40.60	8980.00	
Year to Date Total	671.26	535402.01	
Year to Date Minimum	0.00	1290.00	
Year to Date Mean	2.44	1946.92	
Year to Date Maximum	55.80	9030.00	

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Licence Point 4 - Ambient Water Monitoring (Monthly Result)		
Frequency	Special Frequency 2*	
Sampling Method	Grab Sample	
Sampled Date	Faecal Coliforms (CFU/100mL)	Obtained Date
7-Dec-21	20	11-Dec-21
14-Dec-21	5	30-Dec-21
21-Dec-21	1	31-Dec-21
29-Dec-21	<1	2-Jan-21

Licence Point 5 - Ambient Water Monitoring (Monthly Result)		
Frequency	Special Frequency 2*	
Sampling Method	Grab Sample	
Sampled Date	Faecal Coliforms (CFU/100mL)	Obtained Date
7-Dec-21	1200	11-Dec-21
14-Dec-21	30	30-Dec-21
21-Dec-21	2	31-Dec-21
29-Dec-21	<1	2-Jan-21

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

Licence Point 4 - Ambient Water Monitoring (Year to Date Results)	
Year to Date	Faecal Coliforms (CFU/100mL)
Samples	9
Min	<1
Mean	16.89
Median (50th %ile)	6
90th %ile	6
Max (100th %ile)	94

Licence Point 5 - Ambient Water Monitoring (Year to Date Results)	
Year to Date	Faecal Coliforms (CFU/100mL)
Samples	9
Min	<1
Mean	147.11
Median (50th %ile)	3
90th %ile	3
Max (100th %ile)	1200

Monthly Exceedance Report			
Date	Exceedance Type	Parameter	Description / Action

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EPA Licence Point Map

