

Narooma Sewage Treatment Plant - Monthly Result Summary - May 2021



Anniversary Date: 1-Apr-21
Published Date: 9-Jun-21

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: **May-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/m ³)		
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	
Sampled Date	Biological Oxygen Demand (mg/L)	Oil and Grease (mg/L)	pH (pH Units)	Total Suspended Solids (mg/L)	Chlorophyll a (mg/m ³)	Faecal Coliforms (CFU/100mL)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Ammonia (mg/L)	Obtained Date
18-May-21	<2	<5	7.60	<2	2.10	680	8.40	4.24	0.12	1-Jun-21
100 Percentile Exceedance?	NO	NO	NO	NO	NO	YES	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/m ³)	Faecal Coliforms (CFU/100mL)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Ammonia (mg/L)
Total Samples	2	2	2	2	2	2	2	2	2
Minimum Result	<2	<5	7.20	<2	2.10	120	8.40	4.24	0.12
Mean Result	1.00	2.50	7.40	2.00	2.45	400	10.60	5.42	0.14
Median Result	1.00	2.50	7.40	2.00	2.45	400	10.60	5.42	0.14
Maximum Result	<2	<5	7.60	3.00	2.80	680	12.80	6.60	0.15

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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-May-21	0.2	1500.9	NO
2-May-21	0.2	1588.4	NO
3-May-21	23.8	1568.9	NO
4-May-21	25.6	2106.0	NO
5-May-21	18.6	2850.1	NO
6-May-21	18.6	4915.6	NO
7-May-21	13.6	6788.4	NO
8-May-21	0.2	5848.0	NO
9-May-21	0.2	3561.0	NO
10-May-21	0.2	2383.3	NO
11-May-21	6.2	2179.1	NO
12-May-21	0.2	2016.4	NO
13-May-21	0.2	2015.7	NO
14-May-21	0	1864.9	NO
15-May-21	0	1756.4	NO
16-May-21	0	1697.9	NO
17-May-21	0	1654.7	NO
18-May-21	0	1596.5	NO
19-May-21	0.2	1702.5	NO
20-May-21	0.2	1593.8	NO
21-May-21	0	1545.1	NO
22-May-21	0.2	1504.8	NO
23-May-21	0	1515.6	NO
24-May-21	0	1496.7	NO
25-May-21	0.2	1464.0	NO
26-May-21	0	1525.3	NO
27-May-21	0	1457.7	NO
28-May-21	0	1511.0	NO
29-May-21	0	1442.7	NO
30-May-21	0	1541.8	NO
31-May-21	0	1562.2	NO
Monthly Total	108.6	67755.2	
Monthly Minimum	0	1442.73	
Monthly Mean	3.50	2185.65	
Monthly Maximum	25.6	6788.35	
Year to Date Total	121.2	119118.2	
Year to Date Minimum	0	1428.05	
Year to Date Mean	1.99	1952.76	
Year to Date Maximum	25.6	6788.35	

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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

Licence Point 5 - Ambient Water Monitoring (Monthly Result)		
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 4 - Ambient Water Monitoring (Year to Date Results)	
Year to Date	Faecal Coliforms (CFU/100mL)
Samples to date	
Minimum Result	
Mean Result	
Median Result	
Maximum Result	

Licence Point 5 - Ambient Water Monitoring (Year to Date Results)	
Year to Date	Faecal Coliforms (CFU/100mL)
Samples to date	
Minimum Result	
Mean Result	
Median Result	
Maximum Result	

Monthly Exceedance Report			
Date	Exceedance Type	Parameter	Description / Action
18-May-21	Exceedance Limit	Faecal Coliforms	100 Percentile concentration limit exceeded. Operators to assess UV system.

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EPA Licence Point Map

