

Narooma Sewage Treatment Plant - Monthly Result Summary - January 2023



Anniversary Date: 1-Apr-21
Published Date: 23-Feb-23

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: **Jan-23**

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 Sampling Method	6 Times Per Year Composite Sample	6 Times Per Year Grab Sample	6 Times Per Year Grab Sample	6 Times Per Year Composite Sample	6 Times Per Year Grab Sample	Special Frequency 2* Grab Sample	6 Times Per Year Composite Sample	6 Times Per Year Composite Sample	6 Times Per Year 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)	
3-Jan-23						12				7-Jan-23
10-Jan-23						20				19-Jan-23
17-Jan-23						43				21-Jan-23
24-Jan-23	<2	<5	7.30	3.00	10.10	20	7.43	9.48	0.81	2-Feb-23
31-Jan-23						28				4-Feb-23
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	11	11	11	11	11	21	11	11	11
Min	<2	<5	7.00	<2	0.50	7	1.50	1.750	0.07
Mean	2.27	2.50	7.46	3.55	5.00	169	5.07	5.468	0.38
Median (50th %ile)	2.00	2.50	7.50	2.00	3.50	44	3.68	5.460	0.22
90th %ile	4.00	2.50	7.80	5.00	10.10	690	9.51	8.220	0.81
Max (100th %ile)	4.00	<5	7.80	17.00	10.20	920	14.30	9.480	1.23

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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-23	0.2	2224.3	NO
2-Jan-23	0	2185.2	NO
3-Jan-23	7	2156.0	NO
4-Jan-23	3.8	2114.3	NO
5-Jan-23	5	2230.2	NO
6-Jan-23	1.4	2058.2	NO
7-Jan-23	0	2003.5	NO
8-Jan-23	0	1958.7	NO
9-Jan-23	0	1905.9	NO
10-Jan-23	0	1876.9	NO
11-Jan-23	0	1833.0	NO
12-Jan-23	0	1841.9	NO
13-Jan-23	0	1863.7	NO
14-Jan-23	0	1791.6	NO
15-Jan-23	0	1735.6	NO
16-Jan-23	0	1727.1	NO
17-Jan-23	0	1819.5	NO
18-Jan-23	11	1823.0	NO
19-Jan-23	1	1794.0	NO
20-Jan-23	0	1698.7	NO
21-Jan-23	0	1691.0	NO
22-Jan-23	1.4	1637.3	NO
23-Jan-23	14	1758.1	NO
24-Jan-23	2.4	1734.1	NO
25-Jan-23	0.2	1677.5	NO
26-Jan-23	3.8	1728.7	NO
27-Jan-23	0	1713.8	NO
28-Jan-23	0.2	1704.4	NO
29-Jan-23	22.8	1791.0	NO
30-Jan-23	20.6	2375.7	NO
31-Jan-23	0	1697.8	NO
Monthly Total	94.80	58150.61	
Monthly Minimum	0.00	1637.28	
Monthly Mean	3.06	1875.83	
Monthly Maximum	22.80	2375.70	
Year to Date Total	910.40	615933.64	
Year to Date Minimum	0.00	1316.00	
Year to Date Mean	2.98	2012.86	
Year to Date Maximum	71.40	10515.43	

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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
3-Jan-23	120	7-Jan-23
10-Jan-23	<1	19-Jan-23
17-Jan-23	2	21-Jan-23
24-Jan-23	1	2-Feb-23
31-Jan-23	25	4-Feb-23

Licence Point 5 - Ambient Water Monitoring (Monthly Result)		
Frequency	Special Frequency 2*	
Sampling Method	Grab Sample	
Sampled Date	Faecal Coliforms (CFU/100mL)	Obtained Date
3-Jan-23	4	7-Jan-23
10-Jan-23	4	19-Jan-23
17-Jan-23	<1	21-Jan-23
24-Jan-23	<1	2-Feb-23
31-Jan-23	24	4-Feb-23

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Licence Point 4 - Ambient Water Monitoring (Year to Date Results)	
Year to Date	Faecal Coliforms (CFU/100mL)
Samples	14
Min	<1
Mean	14.93
Median (50th %ile)	2
90th %ile	2
Max (100th %ile)	120

Licence Point 5 - Ambient Water Monitoring (Year to Date Results)	
Year to Date	Faecal Coliforms (CFU/100mL)
Samples	14
Min	<1
Mean	6.57
Median (50th %ile)	3
90th %ile	3
Max (100th %ile)	24

Monthly Exceedance Report			
Date	Exceedance Type	Parameter	Description / Action
24-Jan-23	Concentration limit	Total Phosphorus	Total Phosphorus result (9.48 mg/L) exceeded 90 percentile concentration limit (8.00 mg/L) at monitoring point 3

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EPA Licence Point Map

