

Narooma Sewage Treatment Plant - Monthly Result Summary - October 2023



Anniversary Date: 1-Apr-23
Published Date: 10-Nov-23

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: **Oct-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	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
3-Oct-23	<2	<5	8.80	<2	1.20	1.54	5.26	0.09	14-Oct-23
31-Oct-23	<2	<5	7.90	3.00	0.90	2.37	10.60	0.20	8-Nov-23
100 Percentile Exceedance?	NO	NO	YES	NO	NO	NO	YES	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	8	8	8	8	8	8	8	8
Min	<2	<5	7.40	<2	0.10	1.54	5.260	0.09
Mean	1.25	2.50	7.88	1.63	2.50	4.74	7.078	0.71
Median (50th %ile)	1.00	2.50	7.90	1.00	1.45	2.83	6.680	0.16
90th %ile	1.60	2.50	8.24	3.00	5.10	10.32	9.228	1.58
Max (100th %ile)	3.00	<5	8.80	3.00	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-Oct-23	2	1442.4	NO
2-Oct-23	6.2	1407.4	NO
3-Oct-23	0.2	1510.2	NO
4-Oct-23	0	1441.8	NO
5-Oct-23	0	1386.0	NO
6-Oct-23	0	1421.8	NO
7-Oct-23	0	1421.8	NO
8-Oct-23	0	1303.0	NO
9-Oct-23	0	1300.3	NO
10-Oct-23	7	1355.8	NO
11-Oct-23	2.6	1291.4	NO
12-Oct-23	4.8	1411.2	NO
13-Oct-23	14.2	1498.3	NO
14-Oct-23	4.6	1711.4	NO
15-Oct-23	5.2	1883.0	NO
16-Oct-23	0	2001.5	NO
17-Oct-23	0	1823.9	NO
18-Oct-23	2.4	1630.8	NO
19-Oct-23	7.2	1548.8	NO
20-Oct-23	67	1737.8	NO
21-Oct-23	0.8	9030.9	NO
22-Oct-23	0.4	5417.9	NO
23-Oct-23	5.4	3357.6	NO
24-Oct-23	0.2	2523.6	NO
25-Oct-23	0	2693.5	NO
26-Oct-23	0	1922.5	NO
27-Oct-23	0	1795.7	NO
28-Oct-23	0	1649.2	NO
29-Oct-23	0	1593.5	NO
30-Oct-23	0	1589.6	NO
31-Oct-23	0	1622.5	NO
Monthly Total	130.20	63724.94	
Monthly Minimum	0.00	1291.36	
Monthly Mean	4.20	2055.64	
Monthly Maximum	67.00	9030.91	
Year to Date Total	277.40	325101.32	
Year to Date Minimum	0.00	1226.00	
Year to Date Mean	1.30	1519.17	
Year to Date Maximum	67.00	9030.91	

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Licence Point 3 - Ambient Water Monitoring (Monthly Result)		
Frequency	Special Frequency 2*	
Sampling Method	Grab Sample	
Sampled Date	Faecal Coliforms (CFU/100mL)	Obtained Date

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 3 - Ambient Water Monitoring (Year to Date Results)	
Year to Date	Faecal Coliforms (CFU/100mL)
Samples	
Min	
Mean	
Median (50th %ile)	
90th %ile	
Max (100th %ile)	

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

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

Monthly Exceedance Report			
Date	Exceedance Type	Parameter	Description / Action
3-Oct-23	Concentration Limit	pH	pH (8.8) exceeded 100 percentile concentration limit (6.5-8.5) at monitoring point 3
31-Oct-23	Concentration Limit	Total Phosphorus	Total Phosphorus (10.6 mg/L) exceeded 100 percentile concentration limit (10.0 mg/L) at monitoring point 3

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EPA Licence Point Map

