POLLUTION MONITORING DATA

Licensee: Central Coast Council, PO Box 20 Wyong NSW 2259

EPL No. 2647 – Toukley Sewage Treatment System

Location of Pollution Monitoring Point: Composite sampling point prior to outlet to sand dune disposal area

Licence Period: 1 January 2024 – 31 December 2024

Publishing Date: 1 February 2024

COMPLIANCE STATUS

Results obtained for licence period are within annual concentration limits.

	Biochemical Oxygen Demand (BOD) (mg/L)	Oil and Grease (O&G) (mg/L)	pH	Total Suspended Solids (TSS) (mg/L)	Ammonia (mg/L)
License Concentration Limits					
50 percentile	-	-	-	-	-
90 percentile	-	10	-	50	-
3DGM	-	15	-	60	-
100 percentile	-	-	6.5 - 8.5	-	-
Pollution Monitoring Data Summary(provided at the end of annual reporting period)					
50 percentile	-	-	-	-	-
90 percentile	-	-	-	-	-
3DGM	-	-	-	-	-
100 percentile	-	-		-	-

Collected	Obtained	Published	BOD (mg/L)	O&G (mg/L)	pH	TSS (mg/L)	Ammonia
09/01/2024	19/01/2024	24/01/2024	9	<5	7.8	18	16.4

< : Where this symbol is shown, the result is below the limit at which the parameter can be accurately detected and reported.
n/a means not available.
Where results are below the laboratory detection limits (e.g. <2) half the value of the detection limit will be used for calculation purposes when all required data has been obtained. Where 50% or more of the sample results for a particular pollutant are below the detection limit, zero will be used for calculation purposes. This methodology is consistent with that outlined in the EPA's Load Calculation Protocol (June 2009) and will be applied when all required data for the licence period has been obtained.

FAECAL COLIFORM & ENTEROCOCCI MONITORING DATA

Licensee: Central Coast Council, PO Box 20 Wyong NSW 2259

Location of Pollution Monitoring Point:
Cabbage Tree Bay (Lic Pt 13) and Soldiers Beach (Lic Pt 14)

Publishing Date: 1 February 2024

EPL No. 2647 – Toukley Sewage Treatment System

Licence Period: 1 January 2024 – 31 December 2024

COMPLIANCE STATUS

The licence does not prescribe concentration limits for faecal coliforms and enterococci

			Cabbage Tree Bay		Soldiers Beach	
Collected	**Obtained**	**Published**	**Faecal coliforms (cfu/100 mL)**	**Enterococci (mpn/100 mL)**	**Faecal coliforms (cfu/100 mL)**	**Enterococci (mpn/100 mL)**
04 January 2024	09 January 2024	15 January 2024	18	~3	2	~1
09 January 2024	15 January 2024	20 January 2024	380	300	390	65
16 January 2024	22 January 2024	27 January 2024	3	~2	6	~3
23 January 2024	29 January 2024	4 February 2024	~44	61	~67	100

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n/a means not available.
Where results are below the laboratory detection limits (e.g. <2) half the value of the detection limit will be used for calculation purposes when all required data has been obtained. Where 50% or more of the sample results for a particular pollutant are below the detection limit, zero will be used for calculation purposes. This methodology is consistent with that outlined in the EPA's Load Calculation Protocol (June 2009) and will be applied when all required data for the licence period has been obtained.

POLLUTION MONITORING DATA

Licensee: Central Coast Council, PO Box 20 Wyong NSW 2259

EPL No. 2647 – Toukley Sewage Treatment System

Location of Pollution Monitoring Point: Composite sampling point prior to outlet to sand dune disposal area

Licence Period: 1 January 2024 – 31 December 2024

Publishing Date: 1 February 2024

COMPLIANCE STATUS

Licence Monitoring Frequency for below pollutant is twice per year. The licence does not prescribe concentration limits for these pollutants.

	Aldrin	Arsenic	Cadmium	Chlordane (cis & trans)	Chromium	Copper	Dieldrin	Endosulfan	Endrin	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Lead	Mercury	Methoxychlor	Nickel	Selenium	Silver	Zinc	alpha-BHC	beta-BHC	gamma-BHC (lindane)	p,p-DDD	p,p-DDE	p,p-DDT	PCBs
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
No. Samples Collected	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Minimum value																										
Mean value																										
Median value																										
Maximum value																										
Limit of laboratory detection	0.01	0.1	0.1	0.01	0.2	0.5	0.01	0.01	0.01	0.01	0.01	0.01	0.1	0.3	0.01	0.1	0.2	0.1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.1

POLLUTION MONITORING DATA RESULTS

Collected	Obtained	Published																								

<: Where this symbol is shown, the result is below the level at which the parameter can be routinely tested and reported.
n/a means not available.
Where results are below the laboratory detection limits (e.g. <2) half the value of the detection limit will be used for calculation purposes when all required data has been obtained. Where 50% or more of the sample results for a particular pollutant are below the detection limit, zero will be used for calculation purposes. This methodology is consistent with that outlined in the EPA's Load Calculation Protocol (June 2009) and will be applied when all required data for the licence period has been obtained.

FLOW MONITORING DATA

Licensee: Central Coast Council, PO Box 20 Wyong NSW 2259

EPL No. 2647 – Toukley Sewage Treatment System

Location of Pollution Monitoring Point Calculated from a number flow meter monitoring points as specified in EPL 2647

Licence Period: 1 January 2024 – 31 December 2024

Publishing Date: 1 February 2024

COMPLIANCE STATUS

Licence Monitoring Frequency for flow is daily. The licence prescribes a limit of 60,000 kilolitres/day

Date	Flow (kL)	Date	Flow (kL)	Date	Flow (kL)	Date	Flow (kL)	Date	Flow (kL)	Date	Flow (kL)	Date	Flow (kL)	Date	Flow (kL)
1/01/2024	25,886														
2/01/2024	27,462														
3/01/2024	23,677														
4/01/2024	13,353														
5/01/2024	8,392														
6/01/2024	21,885														
7/01/2024	23,496														
8/01/2024	25,147														
9/01/2024	29,411														
10/01/2024	21,050														
11/01/2024	12,262														
12/01/2024	24,936														
13/01/2024	35,744														
14/01/2024	37,759														
15/01/2024	29,779														
16/01/2024	19,547														
17/01/2024	29,877														
18/01/2024	32,036														
19/01/2024	31,858														
20/01/2024	30,848														
21/01/2024	28,588														
22/01/2024	12,938														
23/01/2024	18,118														
24/01/2024	24,214														
25/01/2024	25,763														
26/01/2024	25,029														
27/01/2024	25,266														
28/01/2024	25,875														
29/01/2024															
30/01/2024															
31/01/2024															

FLOW MONITORING DATA

Licensee: Central Coast Council, PO Box 20 Wyong NSW 2259
Location of Monitoring Point: Calculated from a number flow meter monitoring points as specified in EPL 2647
Publishing Date: 1 February 2024

EPL No. 2647 – Toukley Sewage Treatment System
Licence Period: 1 January 2024 – 31 December 2024

COMPLIANCE STATUS

Licence Monitoring Frequency for flow is daily. The licence prescribes a limit of 60,000 kilolitres/day

Date	Flow (kL)	Date	Flow (kL)	Date	Flow (kL)	Date	Flow (kL)	Date	Flow (kL)	Date	Flow (kL)	Date	Flow (kL)	Date	Flow (kL)

EPL No 2647 - Summary of non-compliant data				
Date	**Parameter**	**Result**	**Cause**	**Action taken**