

### LUTION MONITORING DATA

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

Location of Pollution Monitoring Point: Composite sampling point prior

**EPL No. 2647** – Toukley Sewage Treatment System **Licence Period:** 1 January 2025 – 31 December 2025

to outlet to sand dune disposal area Publishing Date: 20 March 2025

#### **COMPLIANCE STATUS**

Results obtained for licence period are within annual co	ncentration limits.									
	Biochemical Oxygen Demand (BOD) (mg/L)	Oil and Grease (O&G) (mg/L)	рН	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	-	-	-	-	-					

<b>pH</b> 7.3 7.3 7.6 7.4 7.7 7.5	TSS (mg/L)  10  35  26  16  15	Ammonia 11.8 25.4 14.0 21.9 11.8 15.0
7.3 7.3 7.6 7.4 7.7	10 35 26 16 16	11.8 25.4 14.0 21.9 11.8
7.6 7.4 7.7	26 16 16	14.0 21.9 11.8
7.6 7.4 7.7	16 16	14.0 21.9 11.8
7.7	16	11.8
7.5	15	

<sup>&</sup>lt; : 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)

EPL No. 2647 - Toukley Sewage Treatment System Licence Period: 1 January 2025 – 31 December

2025

Publishing Date: 20 March 2025

#### **COMPLIANCE STATUS**

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

			Cabbage To Faecal coliforms	Enterococci	Soldiers Faecal coliforms	Enterococci
Collected	Obtained	Published	(cfu/100 mL)	(mpn/100 mL)	(cfu/100 mL)	(mpn/100 mL
07/01/2025	15/01/2025	21/01/2025	4	<1	5	~1
09/01/2025	17/01/2025	22/01/2025	330	200	10	~4
14/01/2025	26/01/2025	28/01/2025	290	12	34	21
21/01/2025	27/01/2025	28/01/2025	4	~2	21	~1
28/01/2025	31/01/2025	05/02/2025	290	190	36	~8
04/02/2025	07/02/2025	10/02/2025	38	~1	34	~1
6/02/2025	10/02/2025	13/02/2025	26	11	6	~1
11/02/2025	14/02/2025	17/02/2025	280	270	~190	13
			48			
18/02/2025	22/02/2025	28/02/2025		~3	2	<1
25/02/2025	28/02/2025	4/3/2025	43	47	24	~10
04/03/2025	07/03/2025	11/03/2025	26	16	9	12
11/03/2025	18/03/2025	21/03/2025	22	120	~120	100
			+			
						1

<sup>&</sup>lt; : 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



### **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 2025 – 31 December 2025

Publishing Date: 20 March 2025

**COMPLIANCE STATUS** 

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

		٩	₹	Cadmium	Chlordane	Chromium	Copper	Dieldrin	Endosulfan	Endrin	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Lead	Mercury	Methoxychlor	Nickel	Selenium	Silver	Zinc	alpha-BHC	beta-BHC	gamma-BHC (lindane)	σασ-d'd	p,p-DDE	p,p-DDT	PCBs
		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
Collected		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
е																											
ie																											
tory detecti	tion	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
									PO	LLUTIO	N MONI	TORING	DATA	RESU	LTS												
31/01/2025	05/02/2025	<0.01	0.6	<0.1	<0.01	0.2	6.8	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.2	<0.3	<0.01	1.6	0.2	<0.1	17	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
									•																_		
e ie	ory detect	ory detection  Obtained   Published	pollected 2  pory detection 0.01  Obtained Published	ory detection 0.01 0.1  Obtained Published	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 μg/L μg/L   μg/L	μg/L   μg/L	μg/L   μg/L	μg/L   μg/L	μg/L   μg/L			Hg/L   Hg/L	Hg/L   Hg/L	Hg/L   Hg/L					Hg/L   Hg/L		Hg/L   Hg/L			Hg/L   Hg/L	Hg/L   Hg/L	Hg/L

<sup>&</sup>lt;: 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
Location of Pollution Monitoring Point Calculated from a number flow meter monitoring points as specified in EPL 2647 **EPL No. 2647** – Toukley Sewage Treatment System **Licence Period:** 1 January 2025 – 31 December 2025

Publishing Date: 20 March 2025

## **COMPLIANCE STATUS**

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

Date	Flow	Date	Flow	Date	Flow	Date	Flow	Date	Flow	Date	Flow	Date	Flow	Date	Flow
1/01/2025	(kL) 24,289	1/02/2025	(kL) 31,299	1/03/2025	(kL) 32,130		(kL)								
2/01/2025	15,892	2/02/2025	22,476	2/03/2025	29,998		-								
3/01/2025	19,737	3/02/2025	28,330	3/03/2025	28,988		1								
4/01/2025	18,801	4/02/2025	34,910	4/03/2025	31,372		1								
5/01/2025	16,801	5/02/2025	32,163	5/03/2025	30,801										
6/01/2025	25,537	6/02/2025	25,654	6/03/2025	29,059										<del>                                     </del>
7/01/2025	29,998	7/02/2025	28,351	7/03/2025	29,178										<del>                                     </del>
8/01/2025	34,233	8/02/2025	29,030	8/03/2025	29,554										<del>                                     </del>
9/01/2025	40,575	9/02/2025	18,521	9/03/2025	30,804										<del>                                     </del>
10/01/2025	31,327	10/02/2025	17,651	10/03/2025	30,005		+								<del>                                     </del>
11/01/2025	21,642	11/02/2025	34,364	11/03/2025	31,835										<del>                                     </del>
12/01/2025	35,264	12/02/2025	28,235	12/03/2025	33,695										
13/01/2025	28,706	13/02/2025	24,910	13/03/2025	29,536										
14/01/2025	21,465	14/02/2025	18,746	14/03/2025	26,664										
15/01/2025	27,535	15/02/2025	13,393	15/03/2025	26,727										
16/01/2025	30,724	16/02/2025	9,803	16/03/2025	25,665										
17/01/2025	39,230	17/02/2025	5,850	17/03/2025	23,003										
18/01/2025	43,072	18/02/2025	4,961	18/03/2025											
19/01/2025	38,971	19/02/2025	21,288	19/03/2025											
20/01/2025	40,863	20/02/2025	37,138	20/03/2025											
21/01/2025	41,743	21/02/2025	37,516	21/03/2025											
22/01/2025	40,720	22/02/2025	37,354	22/03/2025											
23/01/2025	40,659	23/02/2025	32,998	23/03/2025											
24/01/2025	38,413	24/02/2025	33,822	24/03/2025											
25/01/2025	38,701	25/02/2025	33,986	25/03/2025											
26/01/2025	34,943	26/02/2025	31,635	26/03/2025											
27/01/2025	34,820	27/02/2025	27,948	27/03/2025											
28/01/2025	30,540	28/02/2025	32,676	28/03/2025											
29/01/2025	30,516			29/03/2025											
30/01/2025	35,887			30/03/2025											
31/01/2025	33,829			31/03/2025											



# 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 **EPL No. 2647** – Toukley Sewage Treatment System **Licence Period:** 1 January 2025 – 31 December 2025

Publishing Date: 20 March 2025
COMPLIANCE STATUS

Licence N	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				l						l		

Cent	ral
	asţ
Cour	ncil

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