

POLLUTION MONITORING DATA

Licensee: Central Coast Council, PO Box 20 Wyong NSW 2259
Location of Pollution Monitoring Point: Composite sampling point prior to outlet to ocean outfall and sand dune disposal area
Publishing Date: 1 December 2025

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

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
03/01/2025	14/01/2025	19/01/2025	8	<5	7.3	10	11.8
15/01/2025	31/01/2025	05/02/2025	18	<5	7.3	35	25.4
28/01/2025	06/02/2025	11/02/2025	8	<5	7.6	26	14.0
09/02/2025	18/02/2025	23/02/2025	10	<5	7.4	16	21.9
21/02/2025	04/03/2025	09/03/2025	8	<5	7.7	16	11.8
05/03/2025	13/05/2025	18/03/2025	11	<5	7.5	15	15.0
17/03/2025	26/03/2025	31/03/2025	17	<5	7.4	27	26.7
29/03/2025	09/04/2025	14/04/2025	15	<5	7.5	18	18.7
10/04/2025	23/09/2025	28/04/2025	18	<5	7.3	18	24.0
22/04/2025	02/04/2025	07/04/2025	9	<5	7.4	6	13.2
04/05/2025	13/05/2025	18/05/2025	6	<5	7.1	4	4.16
16/05/2025	29/05/2025	05/06/2025	14	<5	7.2	9	7.07
28/05/2025	05/06/2025	11/05/2026	5	<5	7.1	9	4.67
10/06/2025	19/06/2025	24/06/2025	9	<5	7.2	8	3.06
21/06/2025	2/07/2025	7/07/2025	<2	<5	7.2	3	8.99
03/07/2025	11/07/2025	16/07/2025	8	<5	7.2	6	7.5
15/07/2025	22/07/2025	27/07/2025	9	<5	7.3	5	10.8
27/07/2025	04/08/2025	11/08/2025	13	<5	7.4	15	8.75
08/08/2025	15/08/2025	20/08/2025	10	<5	7.1	10	6.08
20/08/2025	29/08/2025	03/09/2025	7	<5	7.1	7	6.07
1/09/2025	9/09/2025	14/09/2025	9	6	7.2	9	7.9
13/09/2025	23/09/2025	27/09/2025	20	<5	7.2	6	8.18
25/09/2025	9/10/2025	14/10/2025	7	<5	7.3	10	9.0
10/07/2025	15/10/2025	19/10/2025	8	<5	7.3	32	14.2
19/10/2025	28/10/2025	02/11/2025	11	<5	7.4	12	17.2
31/10/2025	7/11/2025	11/11/2025	16	<5	6.9	13	14.5
12/11/2025	20/11/2025	25/11/2025	13	<5	7.5	16	38.0

< : 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 December 2025

EPL No. 2647 – Toukley Sewage Treatment System

Licence Period: 1 January 2025 – 31 December 2025

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)
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
18/02/2025	22/02/2025	28/02/2025	48	~3	2	<1
25/02/2025	28/02/2025	04/03/2025	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
18/03/2025	21/03/2025	24/03/2025	13	18	1	~1
20/03/2025	24/03/2025	24/03/2025	10	<1	11	~6
25/03/2025	28/03/2025	01/04/2025	56	42	~37	17
01/04/2025	04/04/2025	07/04/2025	~110	~99	13	12
08/04/2025	11/04/2025	15/04/2025	34	17	15	~2
15/04/2025	18/04/2025	22/04/2025	~200	160	36	15
22/04/2025	25/04/2025	29/04/2025	1	~4	4	<1
29/04/2025	02/05/2025	05/05/2025	40	22	7	~2
13/05/2025	20/05/2025	22/05/2025	15	49	26	~4
20/05/2025	23/05/2025	26/05/2025	~67	23	60	26
27/05/2025	30/05/2025	31/05/2025	7	~13	~120	20
03/06/2025	11/06/2025	12/06/2025	~79	~5	6	~1
05/06/2025	11/06/2025	12/06/2025	~110	31	3	~1
10/06/2025	16/06/2025	20/06/2025	<1	~1	<1	<1
17/06/2025	21/06/2025	25/06/2025	6	~7	6	~1
24/06/2025	28/06/2025	02/07/2025	2	<1	5	10
01/07/2025	5/07/2025	10/07/2025	~2100	~2100	11	27
08/07/2025	11/07/2025	16/07/2025	8	~10	1	~1
15/07/2025	18/07/2025	23/07/2025	1	~6	31	~6
22/07/2025	25/07/2025	30/07/2025	1	~1	10	~5
29/07/2025	01/08/2025	06/08/2025	<1	~2	<1	<1
05/08/2025	07/08/2025	12/08/2025	23	~6	18	~4
12/08/2025	15/08/2025	20/08/2025	7	~6	1	~3
14/08/2025	18/08/2025	23/08/2025	~93	66	54	~97
19/08/2025	23/08/2025	28/08/2025	280	360	33	35
26/08/2025	29/08/2025	03/09/2025	15	~6	32	~6
02/09/2025	05/09/2025	10/09/2025	20	~2	8	<1
09/09/2025	12/09/2025	17/09/2025	8	~5	4	~2
16/09/2025	19/09/2025	24/09/2025	8	~5	<1	<1
23/09/2025	26/09/2025	30/09/2025	13	~14	1	~4
30/09/2025	03/10/2025	12/10/2025	6	~4	1	~1
02/10/2025	07/10/2025	12/10/2025	5	<1	<1	<1
07/10/2025	10/10/2025	15/10/2025	~75	12	14	~4
14/10/2025	17/10/2025	22/10/2025	26	~6	2	~1
21/10/2025	24/10/2025	29/10/2025	1	~3	1	~2
28/10/2025	31/10/2025	04/11/2025	29	~4	<1	~2
4/11/2025	10/11/2025	15/11/2025	~1100	600	46	32
6/11/2025	11/11/2025	16/11/2025	19	19	~110	67

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n/a means not available.

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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 ocean outfall sand dune disposal area

Licence Period: 1 January 2025 – 31 December 2025

Publishing Date: 1 December 2025

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	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	
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																									
15/01/2025	31/01/2025	05/02/2025	<0.01	0.6	<0.1	<0.01	0.2	5.6	<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
10/04/2025	23/04/2025	01/05/2025	<0.01	0.7	<0.1	<0.01	0.4	6.7	<0.01	<0.01	<0.01	<0.01	<0.01	0.2	<0.3	<0.01	1.9	<0.2	<0.1	20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
10/06/2025	16/06/2025	21/06/2025	<0.01	0.9	<0.1	<0.01	0.9	6.5	0.02	<0.01	<0.01	<0.01	<0.01	1.8	<0.3	<0.01	1.7	<0.2	<0.1	22	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
25/09/2025	10/10/2025	15/10/2025	<0.01	0.7	<0.1	<0.01	0.4	4.6	<0.01	<0.01	<0.01	<0.01	<0.01	0.1	<0.3	<0.01	4.2	<0.2	<0.1	17	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

<: 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

Publishing Date: 1 December 2025

EPL No. 2647 – Toukley Sewage Treatment System

Licence Period: 1 January 2025 – 31 December 2025

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)
1/01/2025	24,289	1/02/2025	31,299	1/03/2025	32,130	1/04/2025	24,147	1/05/2025	47,612	1/06/2025	45,899	1/07/2025	44,109	1/08/2025	45,471
2/01/2025	15,892	2/02/2025	22,476	2/03/2025	29,998	2/04/2025	27,899	2/05/2025	53,887	2/06/2025	46,776	2/07/2025	50,333	2/08/2025	55,317
3/01/2025	19,737	3/02/2025	28,330	3/03/2025	28,988	3/04/2025	31,330	3/05/2025	49,756	3/06/2025	46,622	3/07/2025	47,786	3/08/2025	55,011
4/01/2025	18,801	4/02/2025	34,910	4/03/2025	31,372	4/04/2025	31,260	4/05/2025	45,914	4/06/2025	46,311	4/07/2025	39,295	4/08/2025	46,225
5/01/2025	16,803	5/02/2025	32,163	5/03/2025	30,801	5/04/2025	31,863	5/05/2025	45,796	5/06/2025	47,646	5/07/2025	40,635	5/08/2025	43,546
6/01/2025	25,537	6/02/2025	25,654	6/03/2025	29,059	6/04/2025	32,171	6/05/2025	45,824	6/06/2025	47,370	6/07/2025	40,694	6/08/2025	43,010
7/01/2025	29,998	7/02/2025	28,351	7/03/2025	29,178	7/04/2025	24,596	7/05/2025	44,016	7/06/2025	45,789	7/07/2025	37,479	7/08/2025	43,470
8/01/2025	34,233	8/02/2025	29,030	8/03/2025	29,554	8/04/2025	17,291	8/05/2025	43,051	8/06/2025	45,985	8/07/2025	34,727	8/08/2025	43,310
9/01/2025	40,575	9/02/2025	18,521	9/03/2025	30,804	9/04/2025	18,152	9/05/2025	44,490	9/06/2025	39,556	9/07/2025	34,629	9/08/2025	57,030
10/01/2025	31,327	10/02/2025	17,651	10/03/2025	30,005	10/04/2025	17,433	10/05/2025	43,823	10/06/2025	41,530	10/07/2025	34,471	10/08/2025	54,670
11/01/2025	21,642	11/02/2025	34,364	11/03/2025	31,835	11/04/2025	17,658	11/05/2025	47,395	11/06/2025	35,931	11/07/2025	33,852	11/08/2025	48,940
12/01/2025	35,264	12/02/2025	28,235	12/03/2025	33,695	12/04/2025	17,630	12/05/2025	49,535	12/06/2025	14,241	12/07/2025	33,776	12/08/2025	33,318
13/01/2025	28,706	13/02/2025	24,910	13/03/2025	29,536	13/04/2025	15,918	13/05/2025	46,077	13/06/2025	37,596	13/07/2025	31,791	13/08/2025	27,805
14/01/2025	21,465	14/02/2025	18,746	14/03/2025	26,664	14/04/2025	6,720	14/05/2025	44,296	14/06/2025	45,303	14/07/2025	32,553	14/08/2025	36,601
15/01/2025	27,535	15/02/2025	13,393	15/03/2025	26,727	15/04/2025	13,236	15/05/2025	45,097	15/06/2025	45,466	15/07/2025	31,912	15/08/2025	43,311
16/01/2025	30,724	16/02/2025	9,803	16/03/2025	25,665	16/04/2025	26,558	16/05/2025	53,278	16/06/2025	45,271	16/07/2025	32,824	16/08/2025	47,868
17/01/2025	39,230	17/02/2025	5,850	17/03/2025	22,130	17/04/2025	33,993	17/05/2025	48,785	17/06/2025	42,504	17/07/2025	33,129	17/08/2025	43,942
18/01/2025	43,072	18/02/2025	4,961	18/03/2025	15,265	18/04/2025	38,473	18/05/2025	56,562	18/06/2025	44,779	18/07/2025	35,498	18/08/2025	51,175
19/01/2025	38,971	19/02/2025	21,288	19/03/2025	15,850	19/04/2025	36,625	19/05/2025	69,398	19/06/2025	44,860	19/07/2025	33,334	19/08/2025	55,358
20/01/2025	40,863	20/02/2025	37,138	20/03/2025	14,399	20/04/2025	30,900	20/05/2025	52,437	20/06/2025	42,864	20/07/2025	32,559	20/08/2025	57,417
21/01/2025	41,743	21/02/2025	37,516	21/03/2025	22,109	21/04/2025	30,969	21/05/2025	55,437	21/06/2025	45,328	21/07/2025	33,469	21/08/2025	68,688
22/01/2025	40,720	22/02/2025	37,354	22/03/2025	28,530	22/04/2025	39,098	22/05/2025	67,283	22/06/2025	43,768	22/07/2025	33,490	22/08/2025	60,079
23/01/2025	40,659	23/02/2025	32,998	23/03/2025	34,025	23/04/2025	41,141	23/05/2025	75,927	23/06/2025	44,819	23/07/2025	32,559	23/08/2025	53,640
24/01/2025	38,413	24/02/2025	33,822	24/03/2025	30,254	24/04/2025	41,577	24/05/2025	68,079	24/06/2025	41,829	24/07/2025	33,469	24/08/2025	49,240
25/01/2025	38,701	25/02/2025	33,986	25/03/2025	30,946	25/04/2025	43,376	25/05/2025	52,438	25/06/2025	41,534	25/07/2025	33,490	25/08/2025	48,007
26/01/2025	34,943	26/02/2025	31,635	26/03/2025	30,199	26/04/2025	41,375	26/05/2025	49,497	26/06/2025	42,595	26/07/2025	30,649	26/08/2025	48,042
27/01/2025	34,820	27/02/2025	27,948	27/03/2025	31,786	27/04/2025	51,399	27/05/2025	51,427	27/06/2025	37,080	27/07/2025	35,538	27/08/2025	46,316
28/01/2025	30,540	28/02/2025	32,676	28/03/2025	31,962	28/04/2025	52,679	28/05/2025	47,716	28/06/2025	32,268	28/07/2025	33,842	28/08/2025	45,789
29/01/2025	30,516			29/03/2025	45,122	29/04/2025	53,498	29/05/2025	42,292	29/06/2025	32,825	29/07/2025	33,234	29/08/2025	45,953
30/01/2025	35,887			30/03/2025	39,241	30/04/2025	54,421	30/05/2025	46,517	30/06/2025	33,009	30/07/2025	26,156	30/08/2025	28,121
31/01/2025	33,829			31/03/2025	33,474			31/05/2025	43,918			31/07/2025	17,902	31/08/2025	38,113

[illegible]

EPL No 2647 - Summary of non-compliant data				
Date	Parameter	Result	Cause	Action taken
19 May 2025	Flow (greater than 60,000 kL)	69,398 kL	Stormwater inflow	Management of inflow from STP catchment
22-24 May 2025	Flow (greater than 60,000 kL)	67,283 kL 75,927 kL 68,079 kL	Stormwater inflow	Management of inflow from STP catchment
21-22 August 2025	Flow (greater than 60,000 kL)	68,688 kL 60,079 kL	Stormwater inflow	Management of inflow from STP catchment