

POLLUTION MONITORING DATA

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

EPL No. 1942 – Bateau Bay Sewage Treatment System

Location of Pollution Monitoring Point: Inlet channel to the chlorine contact tank

Licence Period: 1 January 2025 – 31 December 2025

Publishing Date: 1 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)	Ammonia (mg/L)
License Concentration Limits					
100 percentile	30	10	6.5 - 8.5	50	30

Pollution Monitoring Data Summary (provided at the end of reporting period)

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	12	<5	7.3	6	14.4
15/01/2025	31/01/2025	05/02/2025	11	<5	7.2	5	9.74
28/02/2025	06/02/2025	11/02/2025	4	<5	7.2	4	6.70
09/02/2025	18/02/2025	23/02/2025	3	<5	6.9	2	3.20
21/02/2025	04/03/2025	09/03/2025	5	<5	6.8	3	2.24
05/03/2025	13/03/2025	18/03/2025	4	<5	6.9	3	3.00
17/03/2025	26/03/2025	31/03/2025	5	<5	7.2	3	4.13
29/03/2025	09/04/2025	14/04/2025	6	<5	7.1	3	5.07
10/04/2025	23/04/2025	28/04/2025	9	<5	7.1	5	4.58
22/04/2025	02/04/2025	07/04/2025	7	<5	7.2	2	6.78
04/05/2025	13/05/2025	18/05/2025	5	<5	6.8	3	1.85
16/05/2025	29/05/2025	05/06/2025	11	<5	6.9	3	3.78
28/05/2025	05/06/2025	11/06/2025	11	<5	7.2	3	5.00
10/06/2025	19/06/2025	24/06/2025	29	<5	7.2	15	11.0
21/06/2025	23/06/2025	28/06/2025	16	<5	6.8	6	5.51
03/07/2025	11/07/2025	16/07/2025	18	<5	6.8	10	4.05
15/07/2025	23/07/2025	28/07/2025	25	<5	7.3	6	14.10
27/07/2025	04/08/2025	11/08/2025	11	<5	7.1	2	10.1
08/08/2025	15/08/2025	20/08/2025	11	<5	7.1	3	9.03
20/08/2025	29/08/2025	03/09/2025	37	<5	7.2	17	14.2
1/09/2025	9/09/2025	14/09/2025	7	<5	7.2	7	12.20
13/09/2025	23/09/2025	27/09/2025	9	<5	7.2	<2	6.48
25/09/2025	09/10/2025	14/10/2025	8	<5	6.7	14	0.65
07/10/2025	15/10/2025	19/10/2025	4	<5	7.5	13	22.20
19/10/2025	28/10/2025	02/11/2025	12	8	7.3	3	7.51
31/10/2025	7/11/2025	11/11/2025	5	<5	7.5	<2	11.6
12/11/2025	20/11/2025	25/11/2025	7	<5	7.5	2	12.5

< : 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 **EPL No. 1942** – Bateau Bay Sewage Treatment System

Location of Pollution Monitoring Point: Shelly Beach (Lic Pt 5), Tasman Bay (Lic Pt 6), Blue Bay (Lic Pt 3)

Publishing Date: 1 December 2025

COMPLIANCE STATUS

The licence does not prescribe concentration limits for faecal coliforms and enterococci									
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Collected	Obtained	Published	Shelly Beach		Toowoyn Bay		Blue Bay		Blue Lagoon	
			Female		Female		Female		Female	

			coliforms (cfu/100 mL)	Enterococci (mpn/100 mL)	coliforms (cfu/100 mL)	Enterococci (mpn/100 mL)	coliforms (cfu/100 mL)	Enterococci (mpn/100 mL)	coliforms (cfu/100 mL)	Enterococci (mpn/100 mL)
07/01/2025	15/01/2025	20/01/2025	7	~6	5	<1	<1	<1	1	<1
09/01/2025	17/01/2025	22/01/2025	35	36	44	28	12	~8	6	~2
14/01/2025	26/01/2025	28/01/2025	57	11	16	~5	53	~6	6	10
21/01/2025	27/01/2025	28/01/2025	10	~15	22	55	1	<1	4	<1
28/01/2025	31/01/2025	05/02/2025	22	32	~150	15	~2200	31	~90	17
04/02/2025	07/02/2025	10/02/2025	1	~1	9	<1	<1	<1	3	~1
6/2/2025	10/02/2025	13/02/2025	3	~1	3	~1	3	<1	6	~9
11/02/2025	14/02/2025	17/02/2025	16	18	360	590	45	52	~69	34
18/02/2025	22/02/2025	28/02/2025	1	11	1	~3	<1	~1	2	<1
25/02/2025	28/02/2025	04/03/2025	5	~3	16	26	9	~6	~60	190
04/03/2025	07/03/2025	11/03/2025	8	~7	~94	~88	20	24	~64	~6
12/03/2025	16/03/2025	19/03/2025	12	~3	N/A	N/A	N/A	N/A	N/A	N/A
11/03/2025	18/03/2025	21/03/2025	N/A	N/A	29	32	11	~7	~74	50
18/03/2025	21/03/2025	24/03/2025	<1	<1	7	11	2	~5	1	~4
20/03/2025	24/03/2025	24/03/2025	2	~4	<1	<1	<1	<1	1	<1
25/03/2025	28/03/2025	01/04/2025	60	62	270	220	11	~10	26	10
01/04/2025	04/04/2025	7/04/2025	2	~8	14	22	27	28	5	~8
08/04/2025	11/04/2025	15/04/2025	<1	~1	35	~6	6	~4	2	~2
15/4/2025	18/04/2025	22/04/2025	<1	~4	~80	49	16	18	4	~3
22/04/2025	25/04/2025	29/04/2025	<1	~1	2	~1	<1	~1	1	~2
29/04/2025	02/05/2025	06/05/2025	220	21	28	15	8	~7	460	21
13/05/2025	20/05/2025	22/05/2025	3	~10	<1	<1	1	~1	5	~1
20/05/2025	23/05/2025	26/05/2025	~110	220	44	34	30	45	~94	23
27/05/2025	30/05/2025	31/05/2025	18	18	20	~6	25	~6	46	433
03/06/2025	11/06/2025	12/06/2025	<1	<1	5	~1	<1	~1	1	~3
05/06/2025	11/06/2025	12/06/2025	1	<1	1	~1	<1	<1	5	~1
10/06/2025	16/06/2025	21/06/2025	<1	<1	1	~1	4	~1	<1	<1
17/06/2025	21/06/2025	26/06/2025	<1	<1	<1	<1	<1	<1	<1	<1
24/06/2024	2/07/2025	3/07/2025	<1	~3	6	<1	<1	~1	6	~1
01/07/2025	07/07/2025	13/05/2025	<1	<1	21	41	3	~8	2	<1
08/07/2025	11/07/2025	16/07/2025	<1	<1	<1	<1	1	<1	4	~1
15/07/2025	18/07/2025	23/07/2025	2	~1	<1	<1	<1	<1	<1	<1
22/07/2025	25/07/2025	30/07/2025	<1	~4	<1	<1	<1	~1	1	<1
29/07/2025	01/08/2025	06/08/2025	<1	~1	<1	<1	1	<1	<1	<1
05/08/2025	07/08/2025	12/08/2025	5	~8	14	~3	~86	180	1	~1
12/08/2025	15/08/2025	20/08/2025	6	~1	<1	~1	1	~2	9	<2
14/08/2025	18/08/2025	23/08/2025	22	21	330	320	24	27	<1	~3
19/08/2025	23/08/2025	28/08/2025	36	~6	15	11	<1	~2	1	<1
26/08/2025	29/08/2025	03/09/2025	5	~3	7	~6	7	~5	11	~4
02/09/2025	05/09/2025	10/05/2025	<1	<1	<1	<1	<1	<1	<1	<1
09/09/2025	12/09/2025	17/09/2025	<1	~1	1	<1	<1	<1	1	<1
16/09/2025	19/09/2025	24/09/2025	~3	3	<1	<1	~1	1	~2	3
23/09/2025	26/09/2025	30/09/2025	4	<1	11	~5	8	~5	12	~1
30/09/2025	03/10/2025	12/10/2025	1	<1	6	15	<1	~1	6	~1
02/10/2025	07/10/2025	12/10/2025	<1	<1	<1	<1	1	<1	<1	<1
07/10/2025	10/10/2025	15/10/2025	<1	~1	19	~1	9	100	~4	14
14/10/2025	17/10/2025	22/10/2025	<1	<1	4	~1	1	~1	<1	~4
21/10/2025	24/10/2025	29/10/2025	3	~12	6	~4	6	46	<1	~1
28/10/2025	31/10/2025	04/11/2025	<1	<1	1	~6	1	~1	<1	<1
4/11/2025	10/11/2025	15/11/2025	~65	52	15	42	7	~5	~77	31
6/11/2025	11/11/2025	16/11/2025	2	~3	6	~1	<1	~2	5	~4
18/11/2025	21/11/2025	26/11/2025	~690	25	8	13	4	~2	28	17
25/11/2025	29/11/2025	3/12/2025	<1	<1	21	<1	<1	<1	5	~1

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. 1942 – Bateau Bay 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: 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	0.2	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	0.2	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	0.9	<0.1	<0.01	0.3	8.3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.1	<0.3	<0.01	1.6	<0.2	<0.1	33	<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	0.6	<0.1	<0.01	0.3	6.9	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.1	<0.3	<0.01	1.4	<0.2	<0.1	28	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
10/06/2025	19/06/2025	24/06/2025	<0.01	1.5	<0.1	<0.01	0.4	8.6	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	0.6	<0.3	<0.01	1.7	<0.2	<0.1	35	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
25/09/2025	09/10/2025	14/10/2025	<0.01	1.0	<0.1	<0.01	0.4	9.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.3	<0.3	<0.01	2.5	<0.2	<0.1	55	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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								EPL No. 1942 – Bateau Bay Sewage Treatment System							
Location of Pollution Monitoring Point Calculated from a number flow meter monitoring points as specified in EPL 1942								Licence Period: 1 January 2025 – 31 December 2025							
Publishing Date: 1 December 2025															
COMPLIANCE STATUS															
Licence Monitoring Frequency for flow is daily. The licence prescribes a limit of 36,000 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	7,467	1/02/2025	8,165	1/03/2025	6,425	1/04/2025	7,992	1/05/2025	20,680	1/06/2025	9,957	1/07/2025	15,759	1/08/2025	17,671
2/01/2025	6,769	2/02/2025	7,198	2/03/2025	6,435	2/04/2025	7,521	2/05/2025	19,791	2/06/2025	10,176	2/07/2025	22,114	2/08/2025	36,014
3/01/2025	6,797	3/02/2025	6,643	3/03/2025	6,066	3/04/2025	7,289	3/05/2025	15,531	3/06/2025	9,760	3/07/2025	12,718	3/08/2025	24,497
4/01/2025	7,254	4/02/2025	6,376	4/03/2025	7,793	4/04/2025	7,151	4/05/2025	11,884	4/06/2025	11,069	4/07/2025	9,921	4/08/2025	13444
5/01/2025	7,077	5/02/2025	6,461	5/03/2025	6,755	5/04/2025	7,312	5/05/2025	11,517	5/06/2025	10,348	5/07/2025	9,510	5/08/2025	11,216
6/01/2025	6,650	6/02/2025	6,282	6/03/2025	6,231	6/04/2025	7,112	6/05/2025	9,812	6/06/2025	9,410	6/07/2025	9,176	6/08/2025	9,852
7/01/2025	7,495	7/02/2025	6,167	7/03/2025	6,533	7/04/2025	6,128	7/05/2025	9,157	7/06/2025	9,591	7/07/2025	8,578	7/08/2025	9,435
8/01/2025	16,588	8/02/2025	6,606	8/03/2025	6,867	8/04/2025	6,771	8/05/2025	9,210	8/06/2025	9,196	8/07/2025	8,778	8/08/2025	10,170
9/01/2025	12,949	9/02/2025	6,902	9/03/2025	7,002	9/04/2025	7,043	9/05/2025	9,006	9/06/2025	9,379	9/07/2025	8,075	9/08/2025	27,341
10/01/2025	9,482	10/02/2025	7,318	10/03/2025	7,170	10/04/2025	6,781	10/05/2025	9,237	10/06/2025	8,395	10/07/2025	7,925	10/08/2025	23,205
11/01/2025	8,466	11/02/2025	6,661	11/03/2025	7,443	11/04/2025	6,655	11/05/2025	11,938	11/06/2025	8,178	11/07/2025	7,898	11/08/2025	15,808
12/01/2025	7,932	12/02/2025	6,939	12/03/2025	7,220	12/04/2025	6,457	12/05/2025	15,405	12/06/2025	8,890	12/07/2025	7,970	12/08/2025	10,607
13/01/2025	7,226	13/02/2025	6,198	13/03/2025	6,774	13/04/2025	6,823	13/05/2025	10,770	13/06/2025	9,206	13/07/2025	7,905	13/08/2025	11,477
14/01/2025	6,744	14/02/2025	5,966	14/03/2025	6,459	14/04/2025	7,061	14/05/2025	9,534	14/06/2025	8,731	14/07/2025	7,905	14/08/2025	22,644
15/01/2025	8,806	15/02/2025	6,479	15/03/2025	6,409	15/04/2025	9,438	15/05/2025	13,358	15/06/2025	8,323	15/07/2025	7,651	15/08/2025	14,664
16/01/2025	18,644	16/02/2025	6,656	16/03/2025	6,310	16/04/2025	7,281	16/05/2025	22,334	16/06/2025	8,534	16/07/2025	7,286	16/08/2025	11,996
17/01/2025	14,171	17/02/2025	5,899	17/03/2025	6,221	17/04/2025	8,109	17/05/2025	12,782	17/06/2025	7,884	17/07/2025	7,627	17/08/2025	10,956
18/01/2025	21,483	18/02/2025	5,894	18/03/2025	5,302	18/04/2025	8,234	18/05/2025	28,030	18/06/2025	7,715	18/07/2025	7,468	18/08/2025	10,256
19/01/2025	11,468	19/02/2025	5,969	19/03/2025	5,104	19/04/2025	7,892	19/05/2025	39,372	19/06/2025	7,632	19/07/2025	7,556	19/08/2025	12,754
20/01/2025	9,396	20/02/2025	6,707	20/03/2025	5,555	20/04/2025	7,656	20/05/2025	15,366	20/06/2025	7,783	20/07/2025	7,886	20/08/2025	20,879
21/01/2025	7,556	21/02/2025	7,190	21/03/2025	6,229	21/04/2025	7,533	21/05/2025	14,839	21/06/2025	8,125	21/07/2025	7,843	21/08/2025	39,365
22/01/2025	7,738	22/02/2025	7,169	22/03/2025	6,824	22/04/2025	7,533	22/05/2025	33,652	22/06/2025	8,114	22/07/2025	7,427	22/08/2025	27,226
23/01/2025	7,948	23/02/2025	6,854	23/03/2025	6,848	23/04/2025	21,823	23/05/2025	56,081	23/06/2025	7,561	23/07/2025	7,886	23/08/2025	16,441
24/01/2025	7,298	24/02/2025	6,027	24/03/2025	6,256	24/04/2025	12,695	24/05/2025	32,235	24/06/2025	7,270	24/07/2025	7,843	24/08/2025	12,616
25/01/2025	7,627	25/02/2025	5,805	25/03/2025	6,562	25/04/2025	9,648	25/05/2025	17,355	25/06/2025	7,414	25/07/2025	7,427	25/08/2025	11,849
26/01/2025	7,745	26/02/2025	6,194	26/03/2025	6,711	26/04/2025	8,975	26/05/2025	15,615	26/06/2025	7,258	26/07/2025	7,073	26/08/2025	10,414
27/01/2025	7,747	27/02/2025	6,222	27/03/2025	6,691	27/04/2025	10,751	27/05/2025	16,035	27/06/2025	7,170	27/07/2025	7,450	27/08/2025	9,458
28/01/2025	8,173	28/02/2025	5,962	28/03/2025	6,670	28/04/2025	41,935	28/05/2025	11,841	28/06/2025	7,443	28/07/2025	7,414	28/08/2025	9,301
29/01/2025	7,719			29/03/2025	15,771	29/04/2025	25,252	29/05/2025	9,174	29/06/2025	7,745	29/07/2025	7,295	29/08/2025	8,898
30/01/2025	7,405			30/03/2025	9,931	30/04/2025	18,026	30/05/2025	10,353	30/06/2025	7,873	30/07/2025	7,642	30/08/2025	8,919
31/01/2025	8,249			31/03/2025	10,354			31/05/2025	10,209			31/07/2025	7,903	31/08/2025	8,953

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Location of Monitoring Point: Calculated from a number flow meter monitoring points as specified in EPL 1942

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Publishing Date: 1 December 2025

COMPLIANCE STATUS

Licence Monitoring Frequency for flow is daily. The licence prescribes a limit of 36,000 kilolitres/day

[illegible]

EPL No 1942 - Summary of non-compliant data				
Date	Parameter	Result	Cause	Action taken
27 April 2025	Flow (greater than 36,000 kL)	41,935 kL	Stormwater Inflow	Management of inflow from STP catchment
19 May 2025	Flow (greater than 36,000 kL)	39,372 kL	Stormwater Inflow	Management of inflow from STP catchment
23 May 2025	Flow (greater than 36,000 kL)	56,081 kL	Stormwater Inflow	Management of inflow from STP catchment
2 August 2025	Flow (greater than 36,000 kL)	36,014 kL	Stormwater Inflow	Management of inflow from STP catchment
21 August 2025	Flow (greater than 36,000 kL)	39,365 kL	Stormwater Inflow	Management of inflow from STP catchment