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: 4 April 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

< : 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), Toowoon Bay (Lic Pt 6), Blue Bay (Lic Pt 7) and Blue Lagoon (Lic Pt 8)

Licence Period: 1 January 2025 – 31 December 2025

Publishing Date: 4 April 2025

COMPLIANCE STATUS

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

Collected	Obtained	Published	Shelly Beach		Toowoon Bay		Blue Bay		Blue Lagoon	
			Faecal coliforms (cfu/100 mL)	Enterococci (mpn/100 mL)	Faecal coliforms (cfu/100 mL)	Enterococci (mpn/100 mL)	Faecal coliforms (cfu/100 mL)	Enterococci (mpn/100 mL)	Faecal 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

< : 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. 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: 4 April 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

<: 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: 4 April 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								
2/01/2025	6,769	2/02/2025	7,198	2/03/2025	6,435	2/04/2025	7,521								
3/01/2025	6,797	3/02/2025	6,643	3/03/2025	6,066	3/04/2025									
4/01/2025	7,254	4/02/2025	6,376	4/03/2025	7,793	4/04/2025									
5/01/2025	7,077	5/02/2025	6,461	5/03/2025	6,755	5/04/2025									
6/01/2025	6,650	6/02/2025	6,282	6/03/2025	6,231	6/04/2025									
7/01/2025	7,495	7/02/2025	6,167	7/03/2025	6,533	7/04/2025									
8/01/2025	16,588	8/02/2025	6,606	8/03/2025	6,867	8/04/2025									
9/01/2025	12,949	9/02/2025	6,902	9/03/2025	7,002	9/04/2025									
10/01/2025	9,482	10/02/2025	7,318	10/03/2025	7,170	10/04/2025									
11/01/2025	8,466	11/02/2025	6,661	11/03/2025	7,443	11/04/2025									
12/01/2025	7,932	12/02/2025	6,939	12/03/2025	7,220	12/04/2025									
13/01/2025	7,226	13/02/2025	6,198	13/03/2025	6,774	13/04/2025									
14/01/2025	6,744	14/02/2025	5,966	14/03/2025	6,459	14/04/2025									
15/01/2025	8,806	15/02/2025	6,479	15/03/2025	6,409	15/04/2025									
16/01/2025	18,644	16/02/2025	6,656	16/03/2025	6,310	16/04/2025									
17/01/2025	14,171	17/02/2025	5,899	17/03/2025	6,221	17/04/2025									
18/01/2025	21,483	18/02/2025	5,894	18/03/2025	5,302	18/04/2025									
19/01/2025	11,468	19/02/2025	5,969	19/03/2025	5,104	19/04/2025									
20/01/2025	9,396	20/02/2025	6,707	20/03/2025	5,555	20/04/2025									
21/01/2025	7,556	21/02/2025	7,190	21/03/2025	6,229	21/04/2025									
22/01/2025	7,738	22/02/2025	7,169	22/03/2025	6,824	22/04/2025									
23/01/2025	7,948	23/02/2025	6,854	23/03/2025	6,848	23/04/2025									
24/01/2025	7,298	24/02/2025	6,027	24/03/2025	6,256	24/04/2025									
25/01/2025	7,627	25/02/2025	5,805	25/03/2025	6,562	25/04/2025									
26/01/2025	7,745	26/02/2025	6,194	26/03/2025	6,711	26/04/2025									
27/01/2025	7,747	27/02/2025	6,222	27/03/2025	6,691	27/04/2025									
28/01/2025	8,173	28/02/2025	5,962	28/03/2025	6,670	28/04/2025									
29/01/2025	7,719			29/03/2025	15,771	29/04/2025									
30/01/2025	7,405			30/03/2025	9,931	30/04/2025									
31/01/2025	8,249			31/03/2025	10,354										

FLOW MONITORING DATA

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

EPL No. 1942 – Bateau Bay Sewage Treatment System

Location of 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: 4 April 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)

EPL No 1942 - Summary of non-compliant data				
Date	Parameter	Result	Cause	Action taken