

POLLUTION MONITORING DATA

Licensee: Central Coast Council, PO Box 20 Wyong NSW 2259
Location of Pollution Monitoring Point: Inlet channel to the chlorine contact tank
Publishing Date: 27 June 2024

EPL No. 1942 – Bateau Bay Sewage Treatment System
Licence Period: 1 January 2024 – 31 December 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)	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)

Collected	Obtained	Published	BOD (mg/L)	O&G (mg/L)	pH	TSS (mg/L)	Ammonia
09/01/2024	19/01/2024	24/01/2024	6	<5	7.6	2	19.1
21/01/2024	02/02/2024	15/02/2024	6	<5	7.1	<2	2.3
02/02/2024	14/02/2024	19/02/2024	5	<5	7.2	7	5.6
14/02/2024	26/02/2024	04/03/2024	9	<5	7.1	17	6.2
26/02/2024	12/03/2024	17/03/2024	6	<5	7.1	6	2.3
09/03/2024	25/03/2024	30/03/2024	3	<5	7.1	5	3.3
21/03/2024	04/04/2024	09/04/2024	5	<5	6.9	8	3.0
02/04/2024	11/04/2024	16/04/2024	11	<5	7.5	4	16.5
14/04/2024	26/04/2024	1/05/2024	3	<5	7.4	2	2.14
26/04/2024	06/05/2024	13/05/2024	5	<5	7.1	5	3.15
08/05/2024	20/05/2024	25/05/2024	4	<5	7.0	4	1.08
20/05/2024	31/05/2024	4/06/2024	3	<5	7.1	2	0.98
02/06/2024	19/06/2024	24/06/2024	14	<5	7.1	7	3.22
13/06/2024	24/06/2024	28/06/2024	8	<5	7.1	2	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.

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 2023 – 31 December 2024

Publishing Date: 27 June 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	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	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
21/01/2024	02/02/2024	15/02/2024	<0.01	1.6	<0.1	<0.01	0.7	12.9	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.1	<0.3	<0.01	1.6	<0.2	0.2	39	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
02/04/2024	11/04/2024	16/04/2024	<0.01	0.5	<0.1	<0.01	0.6	11.7	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.2	<0.3	<0.01	1.9	0.2	0.3	29	<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 2023 – 31 December 2024

Publishing Date: 27 June 2024

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)
1/01/2024	7,267	1/02/2024	5,775	1/03/2024	6,652	1/04/2024	6,543	1/05/2024	30,665	1/06/2024	23,584				
2/01/2024	7,545	2/02/2024	6,026	2/03/2024	6,711	2/04/2024	5,870	2/05/2024	23,298	2/06/2024	35,046				
3/01/2024	7,141	3/02/2024	6,109	3/03/2024	6,787	3/04/2024	6,147	3/05/2024	13,770	3/06/2024	13,573				
4/01/2024	6,991	4/02/2024	6,581	4/03/2024	5,980	4/04/2024	23,981	4/05/2024	16,558	4/06/2024	11,083				
5/01/2024	6,587	5/02/2024	5,662	5/03/2024	5,957	5/04/2024	42,263	5/05/2024	22,536	5/06/2024	9,973				
6/01/2024	6,918	6/02/2024	5,503	6/03/2024	5,836	6/04/2024	38,434	6/05/2024	42,758	6/06/2024	16,620				
7/01/2024	6,860	7/02/2024	6,337	7/03/2024	6,020	7/04/2024	20,670	7/05/2024	30,278	7/06/2024	14,032				
8/01/2024	6,517	8/02/2024	6,336	8/03/2024	5,940	8/04/2024	10,765	8/05/2024	20,182	8/06/2024	11,296				
9/01/2024	6,421	9/02/2024	5,952	9/03/2024	6,352	9/04/2024	9,751	9/05/2024	15,463	9/06/2024	10,165				
10/01/2024	6,356	10/02/2024	6,495	10/03/2024	6,415	10/04/2024	8,842	10/05/2024	13,410	10/06/2024	9,839				
11/01/2024	6,545	11/02/2024	6,115	11/03/2024	5,842	11/04/2024	8,819	11/05/2024	27,948	11/06/2024	8,798				
12/01/2024	7,482	12/02/2024	5,811	12/03/2024	5,626	12/04/2024	9,178	12/05/2024	20,127	12/06/2024	8,603				
13/01/2024	7,225	13/02/2024	5,642	13/03/2024	5,591	13/04/2024	8,711	13/05/2024	16,089	13/06/2024	8,348				
14/01/2024	6,649	14/02/2024	5,631	14/03/2024	5,739	14/04/2024	7,979	14/05/2024	11,741	14/06/2024	9,105				
15/01/2024	9,269	15/02/2024	6,196	15/03/2024	6,047	15/04/2024	7,299	15/05/2024	10,436	15/06/2024	19,502				
16/01/2024	6,953	16/02/2024	17,641	16/03/2024	6,638	16/04/2024	9,669	16/05/2024	9,703	16/06/2024	13,605				
17/01/2024	8,120	17/02/2024	8,089	17/03/2024	7,014	17/04/2024	11,274	17/05/2024	9,670	17/06/2024	10,186				
18/01/2024	9,864	18/02/2024	7,252	18/03/2024	6,363	18/04/2024	9,352	18/05/2024	18,703	18/06/2024	9,289				
19/01/2024	7,148	19/02/2024	9,526	19/03/2024	5,964	19/04/2024	9,027	19/05/2024	14,985	19/06/2024	8,716				
20/01/2024	6,773	20/02/2024	9,057	20/03/2024	5,687	20/04/2024	35,646	20/05/2024	11,041	20/06/2024	8,499				
21/01/2024	6,712	21/02/2024	12,114	21/03/2024	6,837	21/04/2024	27,267	21/05/2024	10,919	21/06/2024	8,365				
22/01/2024	5,878	22/02/2024	8,039	22/03/2024	6,229	22/04/2024	13,889	22/05/2024	9,901	22/06/2024	8,377				
23/01/2024	5,909	23/02/2024	6,935	23/03/2024	6,671	23/04/2024	11,899	23/05/2024	9,323	23/06/2024	10,458				
24/01/2024	6,238	24/02/2024	7,353	24/03/2024	6,239	24/04/2024	9,805	24/05/2024	9,004	24/06/2024	9,198				
25/01/2024	6,371	25/02/2024	7,715	25/03/2024	5,704	25/04/2024	9,565	25/05/2024	8,689	25/06/2024	8,538				
26/01/2024	6,938	26/02/2024	6,654	26/03/2024	5,569	26/04/2024	9,047	26/05/2024	9,135	26/06/2024					
27/01/2024	6,641	27/02/2024	6,488	27/03/2024	5,631	27/04/2024	8,917	27/05/2024	8,443	27/06/2024					
28/01/2024	6,692	28/02/2024	6,945	28/03/2024	5,483	28/04/2024	8,757	28/05/2024	8,142	28/06/2024					
29/01/2024	6,127	29/02/2024	6,491	29/03/2024	6,338	29/04/2024	8,289	29/05/2024	8,124	29/06/2024					
30/01/2024	5,573			30/03/2024	6,639	30/04/2024	20,436	30/05/2024	7,994	30/06/2024					
31/01/2024	6,109			31/03/2024	6,599			31/05/2024	7,668						

EPL No 1942 - Summary of non-compliant data				
Date	Parameter	Result	Cause	Action taken
5 April 2024	Flow (greater than 36,000 kL)	42,263 kL	Stormwater Inflow	Management of inflow from STP catchment
6 April 2024	Flow (greater than 36,000 kL)	38,434 kL	Stormwater Inflow	Management of inflow from STP catchment
6 May 2024	Flow (greater than 36,000 kL)	42,758 kL	Stormwater Inflow	Management of inflow from STP catchment