

POLLUTION MONITORING DATA

Licensee: Central Coast Council, PO Box 21 Gosford NSW 2250
Location of Pollution Monitoring Point: Ocean outfall tunnel, combined treated effluent from Kincumber and Woy Woy sewage treatment plants
Publishing Date: 8 October 2024

EPL No. 1802– Kincumber Sewage Treatment Plant
Licence Period: 1 June 2024 – 31 May 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)	Total Nitrogen (TN) (mg/L)	Total Phosphorus (TP) (mg/L)	Total Suspended Solids (TSS) (mg/L)	pH
--	--	-----------------------------	----------------------------	------------------------------	-------------------------------------	----

CONCENTRATION LIMITS

100 percentile	30	10	-	-	65	6.5 - 8.5
-----------------------	----	----	---	---	----	-----------

POLLUTION MONITORING DATA SUMMARY (provided at end of annual reporting period)

100 percentile								
Collected	Obtained	Published	BOD (mg/L)	O&G (mg/L)	TN (mg/L)	TP (mg/L)	TSS (mg/L)	pH
01/06/2024	17/06/2024	24/06/2024	<2	<5	18	1.48	4	7.4
13/06/2024	26/06/2024	01/07/2024	<2	<5	15.8	1.36	6	7.2
25/06/2024	08/07/2024	13/07/2024	<2	<5	7.40	1.58	12	7.8
07/07/2024	19/07/2024	24/07/2024	<2	<5	8.78	1.20	4	7.5
19/07/2024	30/07/2024	4/08/2024	<2	<5	12.4	1.55	3	7.6
31/07/2024	15/08/2024	20/08/2024	<2	<5	10.4	1.73	6	7.9
12/08/2024	23/08/2024	28/08/2024	<2	<5	8.78	1.95	4	7.4
26/08/2024	05/09/2024	10/09/2024	<2	<5	6.62	1.60	5	7.6
05/09/2024	17/09/2024	24/09/2024	<2	<5	6.46	1.38	4	7.5
17/09/2024	01/10/2024	08/09/2024	<2	<5	5.15	1.42	17	7.6

< : 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 21 Gosford NSW 2250

EPL No. 1802– Kincumber Sewage Treatment Plant

Location of Pollution Monitoring Point: Ocean outfall tunnel, combined treated effluent from Kincumber and Woy Woy sewage treatment plants

Licence Period: 1 June 2024 – 31 May 2025

Publishing Date: 8 October 2024

COMPLIANCE STATUS

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

Unit	Aldrin	alpha-BHC	beta-BHC	Cadmium	Chlordane (cis & trans)	Chromium	Copper	Dieldrin	Endosulfan	Endrin	Gamma-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Lead	Mercury	Methoxychlor	p,p-DDD	p,p-DDE	p,p-DDT	PCBs	Selenium	Zinc
No. Samples Collected	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Minimum value																							
Mean value																							
Median value																							
Maximum value																							
Limit of laboratory detection	0.01	0.01	0.01	0.1	0.01	0.2	0.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.1	0.3	0.01	0.01	0.01	0.01	0.1	0.2	1

POLLUTION MONITORING DATA RESULTS

Collected	Obtained	Published	Aldrin	alpha-BHC	beta-BHC	Cadmium	Chlordane (cis & trans)	Chromium	Copper	Dieldrin	Endosulfan	Endrin	Gamma-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Lead	Mercury	Methoxychlor	p,p-DDD	p,p-DDE	p,p-DDT	PCBs	Selenium	Zinc
25/06/2024	08/07/2024	13/07/2024	<0.01	<0.01	<0.01	<0.1	<0.01	0.5	2.9	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.2	<0.3	<0.01	<0.01	<0.01	<0.01	<0.1	<0.2	18
17/09/2024	01/10/2024	08/09/2024	<0.01	<0.01	<0.01	<0.1	<0.01	0.3	1.9	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.1	<0.3	<0.01	<0.01	<0.01	<0.01	<0.5	<0.2	20

<: 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.

Summary of non-compliant data				
Date	Parameter	Result	Cause	Action taken