

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: 4 February 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
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CONCENTRATION LIMITS

100 percentile	30	10	-	-	65	6.5 - 8.5
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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
29/09/2024	13/10/2024	20/10/2024	<2	<5	5.10	0.98	4	7.5
11/10/2024	23/10/2024	30/10/2024	6	<5	6.61	1.42	7	7.4
23/10/2024	07/11/2024	14/11/2024	<2	<5	6.35	1.46	14	7.4
04/11/2024	21/11/2024	26/11/2024	<2	<5	6.64	1.18	5	7.4
16/11/2024	26/11/2024	1/12/2024	<2	<5	13.5	1.53	6	7.5
28/11/2024	10/12/2024	16/12/2024	<2	<5	7.74	1.69	8	7.6
11/12/2024	21/12/2021	06/12/2025	<2	<5	7.20	1.39	9	7.5
22/12/2024	01/01/2025	06/12/2025	3	<5	6.96	1.39	8	7.6
03/01/2025	14/01/2025	19/01/2025	15	<5	13.4	2.22	15	7.5
15/01/2025	30/01/2025	05/02/2025	11	<5	8.53	1.29	8	7.4

< : 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 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: 4 February 2025

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
15/01/2025	30/01/2025	05/02/2025	<0.01	<0.01	<0.01	<0.1	<0.01	0.3	1.7	<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	18

<: 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 21 Gosford NSW 2250 **EPL No. 1802–** Kincumber Sewage Treatment Plant
Location of Monitoring Point: Discharge to ocean outfall tunnel, combined treated effluent from Kincumber and Woy Woy sewage treatment plants **Licence Period:** 1 June 2024 – 31 May 2025
Publishing Date: 4 February 2025

COMPLIANCE STATUS

Licence Monitoring Frequency for flow is daily. The licence prescribes a limit of 150,000 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)
1/06/2024	82,454	1/07/2024	53,177	1/08/2024	44,844	1/09/2024	44,835	1/10/2024	47,674	1/11/2024	49,742	1/12/2024	46,485	1/01/2025	43,788
2/06/2024	138,652	2/07/2024	68,922	2/08/2024	45,710	2/09/2024	44,677	2/10/2024	45,017	2/11/2024	53,103	2/12/2024	45,059	2/01/2025	41,533
3/06/2024	70,997	3/07/2024	67,220	3/08/2024	45,881	3/09/2024	43,726	3/10/2024	42,024	3/11/2024	48,796	3/12/2024	42,306	3/01/2025	42,366
4/06/2024	60,849	4/07/2024	64,788	4/08/2024	45,224	4/09/2024	43,725	4/10/2024	45,662	4/11/2024	43,624	4/12/2024	41,654	4/01/2025	43,006
5/06/2024	56,913	5/07/2024	63,578	5/08/2024	44,679	5/09/2024	42,921	5/10/2024	46,431	5/11/2024	44,112	5/12/2024	41,664	5/01/2025	42,514
6/06/2024	75,633	6/07/2024	68,478	6/08/2024	45,286	6/09/2024	43,630	6/10/2024	42,913	6/11/2024	76,040	6/12/2024	42,747	6/01/2025	42,215
7/06/2024	76,521	7/07/2024	59,848	7/08/2024	44,276	7/09/2024	43,952	7/10/2024	44,404	7/11/2024	43,594	7/12/2024	41,746	7/01/2025	45,463
8/06/2024	63,974	8/07/2024	58,608	8/08/2024	44,368	8/09/2024	42,358	8/10/2024	73,893	8/11/2024	45,983	8/12/2024	46,854	8/01/2025	55,498
9/06/2024	59,553	9/07/2024	59,632	9/08/2024	44,178	9/09/2024	43,352	9/10/2024	42,221	9/11/2024	44,420	9/12/2024	52,224	9/01/2025	59,594
10/06/2024	57,165	10/07/2024	56,623	10/08/2024	45,062	10/09/2024	42,448	10/10/2024	43,324	10/11/2024	44,716	10/12/2024	44,584	10/01/2025	49,576
11/06/2024	54,035	11/07/2024	53,921	11/08/2024	45,863	11/09/2024	43,329	11/10/2024	42,445	11/11/2024	41,808	11/12/2024	40,907	11/01/2025	46,717
12/06/2024	53,670	12/07/2024	53,105	12/08/2024	46,295	12/09/2024	45,920	12/10/2024	40,852	12/11/2024	46,612	12/12/2024	41,865	12/01/2025	45,506
13/06/2024	52,253	13/07/2024	51,841	13/08/2024	47,795	13/09/2024	44,867	13/10/2024	42,601	13/11/2024	51,293	13/12/2024	43,442	13/01/2025	50,327
14/06/2024	55,297	14/07/2024	50,355	14/08/2024	51,153	14/09/2024	44,321	14/10/2024	45,503	14/11/2024	45,398	14/12/2024	42,786	14/01/2025	44,329
15/06/2024	84,505	15/07/2024	49,800	15/08/2024	57,506	15/09/2024	44,245	15/10/2024	46,793	15/11/2024	43,084	15/12/2024	43,719	15/01/2025	46,028
16/06/2024	67,195	16/07/2024	48,979	16/08/2024	52,155	16/09/2024	44,114	16/10/2024	75,470	16/11/2024	43,221	16/12/2024	38,814	16/01/2025	62,168
17/06/2024	59,493	17/07/2024	49,936	17/08/2024	50,285	17/09/2024	43,882	17/10/2024	42,481	17/11/2024	47,074	17/12/2024	42,600	17/01/2025	60,740
18/06/2024	55,834	18/07/2024	48,807	18/08/2024	47,506	18/09/2024	43,979	18/10/2024	41,724	18/11/2024	47,511	18/12/2024	42,077	18/01/2025	100,071
19/06/2024	53,217	19/07/2024	48,390	19/08/2024	46,686	19/09/2024	43,776	19/10/2024	44,320	19/11/2024	43,227	19/12/2024	44,694	19/01/2025	62,116
20/06/2024	51,777	20/07/2024	48,713	20/08/2024	46,486	20/09/2024	43,429	20/10/2024	43,262	20/11/2024	43,806	20/12/2024	42,988	20/01/2025	52,231
21/06/2024	51,547	21/07/2024	48,467	21/08/2024	46,739	21/09/2024	43,334	21/10/2024	41,904	21/11/2024	42,495	21/12/2024	39,281	21/01/2025	51,600
22/06/2024	53,950	22/07/2024	47,443	22/08/2024	45,541	22/09/2024	42,851	22/10/2024	12,952	22/11/2024	42,869	22/12/2024	41,853	22/01/2025	48,604
23/06/2024	62,088	23/07/2024	46,939	23/08/2024	47,060	23/09/2024	42,771	23/10/2024	42,848	23/11/2024	43,078	23/12/2024	43,481	23/01/2025	45,969
24/06/2024	58,165	24/07/2024	46,345	24/08/2024	44,915	24/09/2024	42,596	24/10/2024	46,081	24/11/2024	43,113	24/12/2024	44,282	24/01/2025	46,646
25/06/2024	50,048	25/07/2024	46,217	25/08/2024	44,861	25/09/2024	41,821	25/10/2024	48,585	25/11/2024	43,251	25/12/2024	42,589	25/01/2025	46,128
26/06/2024	51,639	26/07/2024	46,008	26/08/2024	45,178	26/09/2024	58,639	26/10/2024	43,717	26/11/2024	43,730	26/12/2024	44,083	26/01/2025	44,929
27/06/2024	50,972	27/07/2024	46,734	27/08/2024	44,937	27/09/2024	53,309	27/10/2024	44,035	27/11/2024	43,480	27/12/2024	44,126	27/01/2025	46,721
28/06/2024	50,401	28/07/2024	47,911	28/08/2024	47,481	28/09/2024	46,752	28/10/2024	42,781	28/11/2024	41,157	28/12/2024	43,388	28/01/2025	49,144
29/06/2024	50,401	29/07/2024	46,078	29/08/2024	44,590	29/09/2024	45,706	29/10/2024	41,141	29/11/2024	41,883	29/12/2024	42,453	29/01/2025	47,579
30/06/2024	53,186	30/07/2024	46,052	30/08/2024	46,554	30/09/2024	49,470	30/10/2024	42,028	30/11/2024	44,215	30/12/2024	43,269	30/01/2025	45,882
		31/07/2024	45,428	31/08/2024	45,329			31/10/2024	41,869			31/12/2024	43,392	31/01/2025	45,998

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