

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: 17 June 2025

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
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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)

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
28/02/2025	06/02/2025	11/02/2025	8	<5	6.46	1.20	7	7.5
09/02/2025	18/02/2025	23/02/2025	<2	<5	8.80	1.44	4	7.7
21/02/2025	04/03/2025	09/03/2025	2	<5	10.3	1.13	8	7.4
05/03/2025	17/03/2025	22/03/2025	<2	<5	17.4	2.07	10	7.3
17/03/2025	26/03/2025	31/03/2025	7	<5	10.9	1.81	6	7.5
29/03/2025	09/04/2025	14/04/2025	6	<5	11.8	1.21	8	7.5
10/04/2025	24/04/2025	29/04/2025	5	<5	14.8	1.22	4	7.3
22/04/2025	02/05/2025	07/05/2025	6	<5	13.0	1.23	8	7.2
04/05/2025	13/05/2025	18/05/2025	2	<5	9.25	0.85	5	7.3
16/05/2025	24/05/2025	29/05/2025	16	<5	8.55	1.46	11	7.4
28/05/2025	05/06/2025	10/05/2025	10	5	11.2	1.01	14	7.2

< : 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: 17 June 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
	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	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
10/04/2025	23/04/2025	01/05/2025	<0.01	<0.01	<0.01	<0.1	<0.01	0.5	2.8	<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	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.

FLOW MONITORING DATA

Licensee: Central Coast Council, PO Box 21 Gosford NSW 2250
Location of Monitoring Point: Discharge to ocean outfall tunnel, combined treated effluent from Kincumber and Woy Woy sewage treatment plants
Publishing Date: 17 June 2025

EPL No. 1802– Kincumber Sewage Treatment Plant
Licence Period: 1 June 2024 – 31 May 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

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: 17 June 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)
1/02/2025	42,294	1/03/2025	42,931	1/04/2025	51,724	1/05/2025	70,182								
2/02/2025	45,370	2/03/2025	43,524	2/04/2025	48,834	2/05/2025	67,290								
3/02/2025	44,687	3/03/2025	41,023	3/04/2025	47,691	3/05/2025	63,529								
4/02/2025	44,033	4/03/2025	46,010	4/04/2025	46,227	4/05/2025	54,629								
5/02/2025	44,092	5/03/2025	44,456	5/04/2025	45,762	5/05/2025	54,296								
6/02/2025	43,905	6/03/2025	42,131	6/04/2025	47,014	6/05/2025	50,757								
7/02/2025	43,256	7/03/2025	44,157	7/04/2025	44,295	7/05/2025	50,578								
8/02/2025	43,947	8/03/2025	44,230	8/04/2025	45,132	8/05/2025	50,187								
9/02/2025	44,166	9/03/2025	46,542	9/04/2025	44,491	9/05/2025	49,520								
10/02/2025	47,562	10/03/2025	42,965	10/04/2025	43,849	10/05/2025	50,356								
11/02/2025	44,453	11/03/2025	45,012	11/04/2025	44,092	11/05/2025	53,362								
12/02/2025	44,526	12/03/2025	45,327	12/04/2025	43,078	12/05/2025	65,868								
13/02/2025	42,333	13/03/2025	44,397	13/04/2025	43,075	13/05/2025	55,440								
14/02/2025	42,468	14/03/2025	45,084	14/04/2025	42,630	14/05/2025	53,733								
15/02/2025	43,026	15/03/2025	44,833	15/04/2025	44,520	15/05/2025	54,594								
16/02/2025	43,957	16/03/2025	45,689	16/04/2025	42,938	16/05/2025	78,893								
17/02/2025	42,379	17/03/2025	42,524	17/04/2025	46,029	17/05/2025	62,383								
18/02/2025	41,508	18/03/2025	42,472	18/04/2025	46,642	18/05/2025	105,995								
19/02/2025	42,133	19/03/2025	44,690	19/04/2025	45,078	19/05/2025	132,531								
20/02/2025	44,827	20/03/2025	44,803	20/04/2025	44,696	20/05/2025	75,772								
21/02/2025	45,373	21/03/2025	42,194	21/04/2025	45,608	21/05/2025	67,733								
22/02/2025	46,975	22/03/2025	41,720	22/04/2025	72,344	22/05/2025	118,590								
23/02/2025	45,220	23/03/2025	45,418	23/04/2025	60,553	23/05/2025	169,498								
24/02/2025	42,960	24/03/2025	42,772	24/04/2025	49,399	24/05/2025	92,843								
25/02/2025	40,904	25/03/2025	42,461	25/04/2025	48,122	25/05/2025	71,030								
26/02/2025	43,333	26/03/2025	42,509	26/04/2025	47,578	26/05/2025	69,260								
27/02/2025	41,863	27/03/2025	41,733	27/04/2025	110,186	27/05/2025	76,097								
28/02/2025	41,929	28/03/2025	43,981	28/04/2025	99,729	28/05/2025	64,683								
		29/03/2025	81,594	29/04/2025	72,409	29/05/2025	61,702								
		30/03/2025	59,010	30/04/2025	87,370	30/05/2025	63,660								
		31/03/2025	63,644			31/05/2025	60,620								

Summary of non-compliant data				
Date	Parameter	Result	Cause	Action taken
23 May 2025	Flow (greater than 150,000 kL)	169,498 kL	Stormwater Inflow	Management of inflow from STP catchment