

#### **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 **EPL No. 1802**– Kincumber Sewage Treatment Plant **Licence Period:** 1 June 2024 – 31 May 2025

Publishing Date: 26 September 2024

**COMPLIANCE STATUS** 

Results obtained for licence period are within annual concentration limits.

**Biochemical** Oil and Total **Total Suspended** Oxygen Grease **Total Nitrogen Phosphorus** Solids (TSS) Demand рΗ (O&G) (TN) (mg/L) (BOD) (TP) (mg/L) (mg/L) (mg/L) (mg/L)

#### **CONCENTRATION LIMITS**

100 percentile 30 10 - - 65 6.5 - 8.5
POLLUTION MONITORING DATA SLIMMARY (provided at end of appual reporting period)

| POLLUTION MONITORING DATA SUMMARY (provided at end of annual reporting period) |            |            |               |               |           |           |            |     |  |  |
|--|------------|------------|---------------|---------------|-----------|-----------|------------|-----|--|--|
| 100 percentile   | 1          |            | -             | -             |           | -         | -          | -   |  |  |
| Collected  | Obtained   | Published  | BOD<br>(mg/L) | O&G<br>(mg/L) | TN (mg/L) | TP (mg/L) | TSS (mg/L) | рН  |  |  |
| 01/06/2024   | 17/06/2024 | 24/06/2024 | <2            | <b>&lt;</b> 5 | 18        | 1.48      | 4          | 7.4 |  |  |
| 13/06/2024   | 26/06/2024 | 01/07/2024 | <2            | <b>&lt;</b> 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 | 28/082024  | <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            | <b>&lt;</b> 5 | 6.46      | 1.38      | 4          | 7.5 |  |  |
|  |            |            |               |               |           |           |            |     |  |  |
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|  |            | 1          |               |               |           |           |            |     |  |  |

< : 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 Licence Period: 1 June 2024 – 31 May 2025

Woy Woy sewage treatment plants **Publishing Date:** 26 September 2024

## **COMPLIANCE STATUS**

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

| Unit                             | Ngh Aldrin | √ <sup>8π</sup> | ∿ <sup>8h</sup> | ույթու<br>Մար | ু Chlordane (cis & trans) | T/ջո<br>Chromium | Copper Copper | η/βη <b>Dieldrin</b> | ոչ Endosulfan | <sub>Туви</sub><br>Endrin | اهم (Lindane) حالة (Samma-BHC (Lindane) | √ <sup>g</sup> મ | y Heptachlor epoxide | الهجر Hexachlorobenzene | Геаф | √ջո<br>Mercury | րհ Methoxychlor | <b>ДОО-0'Ю</b> <sub>ив/г</sub> | <sub>ив/г</sub> | <sup>на</sup> /г | PCBS<br>βμαγι | Selenium<br>Van | اگم/ح<br>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             |
| Collected Obtained Published     |            |                 |                 |               |                           |                  | POLL          | UTION                | MONITC        | RING D                    | ATA RE                                  | SULTS            |                      |                         |      |                |                 |                                |                 |                  |               |                 |               |
| 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            |
| 20/00/2024 00/01/2024 13/01/2024 | X0.01      | VO.01           | Q0.01           | <b>\0.1</b>   | <b>\0.01</b>              | 0.0              | 2.0           | \U.U.                | \0.01         | VO.01                     | VO.01                                   | \0.01            | <b>\0.01</b>         | \0.01                   | 0.2  | <b>~0.0</b>    | ζ0.01           | Q0.01                          | Q0.01           | \0.01            | <b>\0.1</b>   | ₹0.2            | 10            |
|                                  |            |                 |                 |               |                           |                  |               |                      |               |                           |   |                  |                      |                         |      |                |                 |                                | <b>-</b>        |                  |               |                 |               |
|                                  |            |                 |                 |               |                           |                  |               |                      |               |                           |   |                  |                      |                         |      |                |                 |                                |                 |                  |               |                 |               |
|                                  |            |                 |                 |               |                           |                  |               |                      |               |                           |   |                  |                      |                         |      |                |                 |                                |                 |                  |               |                 |               |

<sup>&</sup>lt;: 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 **Licence Period:** 1 June 2024 – 31 May 2025

and Woy Woy sewage treatment plants

Publishing Date: 26 September 2024

**COMPLIANCE STATUS** 

Licence Monitoring Frequency for flow is daily. The licence prescribes a limit of 150,000 kilolitres/day

| Date       | Flow<br>(kL) | Date       | Flow<br>(kL) | Date       | Flow<br>(kL) | Date       | Flow<br>(kL) | Date | Flow<br>(kL) | Date | Flow<br>(kL) | Date | Flow<br>(kL) | Date | Flow<br>(kL) |
|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------|--------------|------|--------------|------|--------------|------|--------------|
| 1/06/2024  | 82,454       | 1/07/2024  | 53,177       | 1/08/2024  | 44,844       | 1/09/2024  | 44,835       |      | (142)        |      | (142)        |      | (RE)         |      | (ICE)        |
| 2/06/2024  | 138,652      | 2/07/2024  | 68,922       | 2/08/2024  | 45,710       | 2/09/2024  | 44,677       |      |              |      |              |      |              |      |              |
| 3/06/2024  | 70,997       | 3/07/2024  | 67,220       | 3/08/2024  | 45,881       | 3/09/2024  | 43,726       |      |              |      |              |      |              |      |              |
| 4/06/2024  | 60,849       | 4/07/2024  | 64,788       | 4/08/2024  | 45,224       | 4/09/2024  | 43,725       |      |              |      |              |      |              |      |              |
| 5/06/2024  | 56,913       | 5/07/2024  | 63,578       | 5/08/2024  | 44,679       | 5/09/2024  | 42,921       |      |              |      |              |      |              |      |              |
| 6/06/2024  | 75,633       | 6/07/2024  | 68,478       | 6/08/2024  | 45,286       | 6/09/2024  | 43,630       |      |              |      |              |      |              |      |              |
| 7/06/2024  | 76,521       | 7/07/2024  | 59,848       | 7/08/2024  | 44,276       | 7/09/2024  | 43,952       |      |              |      |              |      |              |      |              |
| 8/06/2024  | 63,974       | 8/07/2024  | 58,608       | 8/08/2024  | 44,368       | 8/09/2024  | 42,358       |      |              |      |              |      |              |      |              |
| 9/06/2024  | 59,553       | 9/07/2024  | 59,632       | 9/08/2024  | 44,178       | 9/09/2024  | 43,352       |      |              |      |              |      |              |      |              |
| 10/06/2024 | 57,165       | 10/07/2024 | 56,623       | 10/08/2024 | 45,062       | 10/09/2024 | 42,448       |      |              |      |              |      |              |      |              |
| 11/06/2024 | 54,035       | 11/07/2024 | 53,921       | 11/08/2024 | 45,863       | 11/09/2024 | 43,329       |      |              |      |              |      |              |      |              |
| 12/06/2024 | 53,670       | 12/07/2024 | 53,105       | 12/08/2024 | 46,295       | 12/09/2024 | 45,920       |      |              |      |              |      |              |      |              |
| 13/06/2024 | 52,253       | 13/07/2024 | 51,841       | 13/08/2024 | 47,795       | 13/09/2024 | 44,867       |      |              |      |              |      |              |      |              |
| 14/06/2024 | 55,297       | 14/07/2024 | 50,355       | 14/08/2024 | 51,153       | 14/09/2024 | 44,321       |      |              |      |              |      |              |      |              |
| 15/06/2024 | 84,505       | 15/07/2024 | 49,800       | 15/08/2024 | 57,506       | 15/09/2024 | 44,245       |      |              |      |              |      |              |      |              |
| 16/06/2024 | 67,195       | 16/07/2024 | 48,979       | 16/08/2024 | 52,155       | 16/09/2024 | 44,114       |      |              |      |              |      |              |      |              |
| 17/06/2024 | 59,493       | 17/07/2024 | 49,936       | 17/08/2024 | 50,285       | 17/09/2024 | 43,882       |      |              |      |              |      |              |      |              |
| 18/06/2024 | 55,834       | 18/07/2024 | 48,807       | 18/08/2024 | 47,506       | 18/09/2024 | 43,979       |      |              |      |              |      |              |      |              |
| 19/06/2024 | 53,217       | 19/07/2024 | 48,390       | 19/08/2024 | 46,686       | 19/09/2024 | 43,776       |      |              |      |              |      |              |      |              |
| 20/06/2024 | 51,777       | 20/07/2024 | 48,713       | 20/08/2024 | 46,486       | 20/09/2024 | 43,429       |      |              |      |              |      |              |      |              |
| 21/06/2024 | 51,547       | 21/07/2024 | 48,467       | 21/08/2024 | 46,739       | 21/09/2024 | 43,334       |      |              |      |              |      |              |      |              |
| 22/06/2024 | 53,950       | 22/07/2024 | 47,443       | 22/08/2024 | 45,541       | 22/09/2024 | 42,851       |      |              |      |              |      |              |      |              |
| 23/06/2024 | 62,088       | 23/07/2024 | 46,939       | 23/08/2024 | 47,060       | 23/09/2024 | 42,771       |      |              |      |              |      |              |      |              |
| 24/06/2024 | 58,165       | 24/07/2024 | 46,345       | 24/08/2024 | 44,915       | 24/09/2024 | 42,596       |      |              |      |              |      |              |      |              |
| 25/06/2024 | 50,048       | 25/07/2024 | 46,217       | 25/08/2024 | 44,861       | 25/09/2024 |              |      |              |      |              |      |              |      |              |
| 26/06/2024 | 51,639       | 26/07/2024 | 46,008       | 26/08/2024 | 45,178       | 26/09/2024 |              |      |              |      |              |      |              |      |              |
| 27/06/2024 | 50,972       | 27/07/2024 | 46,734       | 27/08/2024 | 44,937       | 27/09/2024 |              |      |              |      |              | -    |              |      |              |
| 28/06/2024 | 50,401       | 28/07/2024 | 47,911       | 28/08/2024 | 47,481       | 28/09/2024 |              |      |              |      |              |      |              |      |              |
| 29/06/2024 | 50,401       | 29/07/2024 | 46,078       | 29/08/2024 | 44,590       | 29/09/2024 |              |      |              |      |              |      |              |      |              |
| 30/06/2024 | 53,186       | 30/07/2024 | 46,052       | 30/08/2024 | 46,554       | 30/09/2024 |              |      |              |      |              |      |              |      |              |
|            |              | 31/07/2024 | 45,428       | 31/08/2024 | 45,329       |            |              |      |              |      |              |      |              |      |              |



## FLOW MONITORING DATA

**EPL No. 1802**– Kincumber Sewage Treatment Plant **Licence Period:** 1 June 2024 – 31 May 2025

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: 26 September 2024

**COMPLIANCE STATUS** 

Licence Monitoring Frequency for flow is daily. The licence prescribes a limit of 150,000 kilolitres/day

| Date | Flow<br>(kL) |
|------|--------------|------|--------------|------|--------------|------|--------------|------|--------------|------|--------------|------|--------------|------|--------------|
|      |              |      |              |      |              |      |              |      |              |      |              |      |              |      |              |
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|      |              |      |              |      |              |      |              |      |              |      |              |      |              |      |              |



| Summary of no | Summary of non-compliant data |        |       |              |  |  |  |  |  |  |  |  |
|---------------|-------------------------------|--------|-------|--------------|--|--|--|--|--|--|--|--|
| Date          | Parameter                     | Result | Cause | Action taken |  |  |  |  |  |  |  |  |
|               |                               |        |       |              |  |  |  |  |  |  |  |  |
|               |                               |        |       |              |  |  |  |  |  |  |  |  |
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