



# Ashford Sewage Treatment Plant

| Licence Period: 1 November 2024 to 31 October 2025  |                         |                 | EPL No. 580: Ashford Sewage Treatment Plant |         |                     |
|---|-------------------------|-----------------|---|---------|---------------------|
| <a href="https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=580&amp;id=580&amp;option=licence&amp;searchrange=licence&amp;range=POEO licence&amp;prp=no&amp;status=Issued">https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=580&amp;id=580&amp;option=licence&amp;searchrange=licence&amp;range=POEO licence&amp;prp=no&amp;status=Issued</a> |                         |                 | Cemetery Road, Ashford 2361                 |         |                     |
|   |                         |                 | Licensee: Inverell Shire Council            |         |                     |
|   |                         |                 | Monitoring Frequency - Monthly              |         |                     |
| Sample date:  | Analysis obtained:      | Data published: |   |         |                     |
|   | Pollutant               | Units           | Measurement                                 | Limit   | Exceedance (Yes/No) |
| 04/11/2024  | 14/11/2024              | 22/11/2024      |   |         |                     |
| Monitoring Point 1  | Oil and Grease          | mg/L            | <5  | 10      | No                  |
|   | pH                      | -               | 8.3   | 6.5-8.5 | No                  |
|   | BOD5                    | mg/L            | 7   | 20      | No                  |
|   | Total Suspended Solids  | mg/L            | 11  | 30      | No                  |
|   | Conductivity            | µS/cm           | 856   | -       | No                  |
|   | Faecal Coliforms        | cfu/100ml       | 300   | -       | No                  |
|   | Nitrate + Nitrite       | mg/L            | <0.01                                       | -       | No                  |
|   | Nitrogen (ammonia)      | mg/L            | <0.10                                       | -       | No                  |
|   | Phosphorus (total)      | mg/L            | 6.83  | -       | No                  |
|   | Total Kjeldhal Nitrogen | mg/L            | 2   | -       | No                  |
|   | Chlorophyll 'a'         | µg/L            | 47  | -       | No                  |
| Monitoring Point 2  | pH                      | -               | 9.2   | 6.5-8.5 | Yes                 |
|   | BOD5                    | mg/L            | 11  | 20      | No                  |
|   | Total Suspended Solids  | mg/L            | 35  | 30      | Yes                 |
| Sample date:  | Analysis obtained:      | Data published: |   |         |                     |
|   | Pollutant               | Units           | Measurement                                 | Limit   | Exceedance (Yes/No) |
| Monitoring Point 1  | Oil and Grease          | mg/L            |   | 10      |                     |
|   | pH                      | -               |   | 6.5-8.5 |                     |
|   | BOD5                    | mg/L            |   | 20      |                     |
|   | Total Suspended Solids  | mg/L            |   | 30      |                     |
|   | Conductivity            | µS/cm           |   | -       |                     |
|   | Faecal Coliforms        | cfu/100ml       |   | -       |                     |
|   | Nitrate + Nitrite       | mg/L            |   | -       |                     |
|   | Nitrogen (ammonia)      | mg/L            |   | -       |                     |
|   | Phosphorus (total)      | mg/L            |   | -       |                     |
|   | Total Kjeldhal Nitrogen | mg/L            |   | -       |                     |
|   | Chlorophyll 'a'         | µg/L            |   | -       |                     |
| Monitoring Point 2  | pH                      | -               |   | 6.5-8.5 |                     |
|   | BOD5                    | mg/L            |   | 20      |                     |
|   | Total Suspended Solids  | mg/L            |   | 30      |                     |
| Sample date:  | Analysis obtained:      | Data published: |   |         |                     |
|   | Pollutant               | Units           | Measurement                                 | Limit   | Exceedance (Yes/No) |
| Monitoring Point 1  | Oil and Grease          | mg/L            |   | 10      |                     |
|   | pH                      | -               |   | 6.5-8.5 |                     |
|   | BOD5                    | mg/L            |   | 20      |                     |
|   | Total Suspended Solids  | mg/L            |   | 30      |                     |
|   | Conductivity            | µS/cm           |   | -       |                     |
|   | Faecal Coliforms        | cfu/100ml       |   | -       |                     |
|   | Nitrate + Nitrite       | mg/L            |   | -       |                     |
|   | Nitrogen (ammonia)      | mg/L            |   | -       |                     |
|   | Phosphorus (total)      | mg/L            |   | -       |                     |
|   | Total Kjeldhal Nitrogen | mg/L            |   | -       |                     |
|   | Chlorophyll 'a'         | µg/L            |   | -       |                     |
| Monitoring Point 2  | pH                      | -               |   | 6.5-8.5 |                     |
|   | BOD5                    | mg/L            |   | 20      |                     |
|   | Total Suspended Solids  | mg/L            |   | 30      |                     |
| Sample date:  | Analysis obtained:      | Data published: |   |         |                     |
|   | Pollutant               | Units           | Measurement                                 | Limit   | Exceedance (Yes/No) |
| Monitoring Point 1  | Oil and Grease          | mg/L            |   | 10      |                     |
|   | pH                      | -               |   | 6.5-8.5 |                     |
|   | BOD5                    | mg/L            |   | 20      |                     |



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|   |                         | Licensee: Inverell Shire Council            |                    |              |
|   |                         | Monitoring Frequency - Monthly              |                    |              |
| Monitoring Point 2  | Total Suspended Solids  | mg/L  |                    | 30           |
|   | Conductivity            | µS/cm                                       |                    | -            |
|   | Faecal Coliforms        | cfu/100ml                                   |                    | -            |
|   | Nitrate + Nitrite       | mg/L  |                    | -            |
|   | Nitrogen (ammonia)      | mg/L  |                    | -            |
|   | Phosphorus (total)      | mg/L  |                    | -            |
|   | Total Kjeldhal Nitrogen | mg/L  |                    | -            |
|   | Chlorophyll 'a'         | µg/L  |                    | -            |
|   | pH                      | -   |                    | 6.5-8.5      |
|   | BOD5                    | mg/L  |                    | 20           |
| Total Suspended Solids  | mg/L                    |   | 30                 |              |
| Sample date:  | Analysis obtained:      | Data published:                             |                    |              |
|   | <b>Pollutant</b>        | <b>Units</b>                                | <b>Measurement</b> | <b>Limit</b> |
| Monitoring Point 1  | Oil and Grease          | mg/L  |                    | 10           |
|   | pH                      | -   |                    | 6.5-8.5      |
|   | BOD5                    | mg/L  |                    | 20           |
|   | Total Suspended Solids  | mg/L  |                    | 30           |
|   | Conductivity            | µS/cm                                       |                    | -            |
|   | Faecal Coliforms        | cfu/100ml                                   |                    | -            |
|   | Nitrate + Nitrite       | mg/L  |                    | -            |
|   | Nitrogen (ammonia)      | mg/L  |                    | -            |
|   | Phosphorus (total)      | mg/L  |                    | -            |
|   | Total Kjeldhal Nitrogen | mg/L  |                    | -            |
| Chlorophyll 'a'   | µg/L                    |   | -                  |              |
| Monitoring Point 2  | pH                      | -   |                    | 6.5-8.5      |
|   | BOD5                    | mg/L  |                    | 20           |
|   | Total Suspended Solids  | mg/L  |                    | 30           |
| Sample date:  | Analysis obtained:      | Data published:                             |                    |              |
|   | <b>Pollutant</b>        | <b>Units</b>                                | <b>Measurement</b> | <b>Limit</b> |
| Monitoring Point 1  | Oil and Grease          | mg/L  |                    | 10           |
|   | pH                      | -   |                    | 6.5-8.5      |
|   | BOD5                    | mg/L  |                    | 20           |
|   | Total Suspended Solids  | mg/L  |                    | 30           |
|   | Conductivity            | µS/cm                                       |                    | -            |
|   | Faecal Coliforms        | cfu/100ml                                   |                    | -            |
|   | Nitrate + Nitrite       | mg/L  |                    | -            |
|   | Nitrogen (ammonia)      | mg/L  |                    | -            |
|   | Phosphorus (total)      | mg/L  |                    | -            |
|   | Total Kjeldhal Nitrogen | mg/L  |                    | -            |
| Chlorophyll 'a'   | µg/L                    |   | -                  |              |
| Monitoring Point 2  | pH                      | -   |                    | 6.5-8.5      |
|   | BOD5                    | mg/L  |                    | 20           |
|   | Total Suspended Solids  | mg/L  |                    | 30           |
| Sample date:  | Analysis obtained:      | Data published:                             |                    |              |
|   | <b>Pollutant</b>        | <b>Units</b>                                | <b>Measurement</b> | <b>Limit</b> |
| Monitoring Point 1  | Oil and Grease          | mg/L  |                    | 10           |
|   | pH                      | -   |                    | 6.5-8.5      |
|   | BOD5                    | mg/L  |                    | 20           |
|   | Total Suspended Solids  | mg/L  |                    | 30           |
|   | Conductivity            | µS/cm                                       |                    | -            |
|   | Faecal Coliforms        | cfu/100ml                                   |                    | -            |
|   | Nitrate + Nitrite       | mg/L  |                    | -            |
|   | Nitrogen (ammonia)      | mg/L  |                    | -            |



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|   |                           |   |                    |              |                            |  |
|---|---------------------------|---|--------------------|--------------|----------------------------|--|
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|   |                           | Cemetery Road, Ashford 2361                 |                    |              |                            |  |
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|   |                           | Monitoring Frequency - Monthly              |                    |              |                            |  |
| Monitoring Point 2  | Phosphorus (total)        | mg/L  | -                  |              |                            |  |
|   | Total Kjeldhal Nitrogen   | mg/L  | -                  |              |                            |  |
|   | Chlorophyll 'a'           | µg/L  | -                  |              |                            |  |
|   | pH                        | -   | 6.5-8.5            |              |                            |  |
|   | BOD5                      | mg/L  | 20                 |              |                            |  |
|   | Total Suspended Solids    | mg/L  | 30                 |              |                            |  |
| <b>Sample date:</b>   | <b>Analysis obtained:</b> | <b>Data published:</b>                      |                    |              |                            |  |
|   | <b>Pollutant</b>          | <b>Units</b>                                | <b>Measurement</b> | <b>Limit</b> | <b>Exceedance (Yes/No)</b> |  |
| Monitoring Point 1  | Oil and Grease            | mg/L  |                    | 10           |                            |  |
|   | pH                        | -   |                    | 6.5-8.5      |                            |  |
|   | BOD5                      | mg/L  |                    | 20           |                            |  |
|   | Total Suspended Solids    | mg/L  |                    | 30           |                            |  |
|   | Conductivity              | µS/cm                                       |                    | -            |                            |  |
|   | Faecal Coliforms          | cfu/100ml                                   |                    | -            |                            |  |
|   | Nitrate + Nitrite         | mg/L  |                    | -            |                            |  |
|   | Nitrogen (ammonia)        | mg/L  |                    | -            |                            |  |
|   | Phosphorus (total)        | mg/L  |                    | -            |                            |  |
|   | Total Kjeldhal Nitrogen   | mg/L  |                    | -            |                            |  |
| Monitoring Point 2  | Chlorophyll 'a'           | µg/L  |                    | -            |                            |  |
|   | pH                        | -   |                    | 6.5-8.5      |                            |  |
|   | BOD5                      | mg/L  |                    | 20           |                            |  |
| Monitoring Point 1  | Total Suspended Solids    | mg/L  |                    | 30           |                            |  |
|   | Conductivity              | µS/cm                                       |                    | -            |                            |  |
|   | Faecal Coliforms          | cfu/100ml                                   |                    | -            |                            |  |
|   | Nitrate + Nitrite         | mg/L  |                    | -            |                            |  |
|   | Nitrogen (ammonia)        | mg/L  |                    | -            |                            |  |
|   | Phosphorus (total)        | mg/L  |                    | -            |                            |  |
|   | Total Kjeldhal Nitrogen   | mg/L  |                    | -            |                            |  |
|   | Chlorophyll 'a'           | µg/L  |                    | -            |                            |  |
|   | Monitoring Point 2        | pH  | -                  |              | 6.5-8.5                    |  |
|   |                           | BOD5  | mg/L               |              | 20                         |  |
| Total Suspended Solids  |                           | mg/L  |                    | 30           |                            |  |
| <b>Sample date:</b>   | <b>Analysis obtained:</b> | <b>Data published:</b>                      |                    |              |                            |  |
|   | <b>Pollutant</b>          | <b>Units</b>                                | <b>Measurement</b> | <b>Limit</b> | <b>Exceedance (Yes/No)</b> |  |
| Monitoring Point 1  | Oil and Grease            | mg/L  |                    | 10           |                            |  |
|   | pH                        | -   |                    | 6.5-8.5      |                            |  |
|   | BOD5                      | mg/L  |                    | 20           |                            |  |
|   | Total Suspended Solids    | mg/L  |                    | 30           |                            |  |
|   | Conductivity              | µS/cm                                       |                    | -            |                            |  |
|   | Faecal Coliforms          | cfu/100ml                                   |                    | -            |                            |  |
|   | Nitrate + Nitrite         | mg/L  |                    | -            |                            |  |
|   | Nitrogen (ammonia)        | mg/L  |                    | -            |                            |  |
|   | Phosphorus (total)        | mg/L  |                    | -            |                            |  |
|   | Total Kjeldhal Nitrogen   | mg/L  |                    | -            |                            |  |
| Monitoring Point 2  | Chlorophyll 'a'           | µg/L  |                    | -            |                            |  |
|   | pH                        | -   |                    | 6.5-8.5      |                            |  |
| Monitoring Point 2  | BOD5                      | mg/L  |                    | 20           |                            |  |



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|   |  |
|---|--|
| Licence Period: 1 November 2024 to 31 October 2025  | EPL No. 580: Ashford Sewage Treatment Plant<br>Cemetery Road, Ashford 2361<br>Licencee: Inverell Shire Council<br>Monitoring Frequency - Monthly |
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|                        |      |    |
|------------------------|------|----|
| Total Suspended Solids | mg/L | 30 |
|------------------------|------|----|

| Sample date:       | Analysis obtained:      | Data published: |             |         |                     |
|--------------------|-------------------------|-----------------|-------------|---------|---------------------|
|                    | Pollutant               | Units           | Measurement | Limit   | Exceedance (Yes/No) |
| Monitoring Point 1 | Oil and Grease          | mg/L            |             | 10      |                     |
|                    | pH                      | -               |             | 6.5-8.5 |                     |
|                    | BOD5                    | mg/L            |             | 20      |                     |
|                    | Total Suspended Solids  | mg/L            |             | 30      |                     |
|                    | Conductivity            | µS/cm           |             | -       |                     |
|                    | Faecal Coliforms        | cfu/100ml       |             | -       |                     |
|                    | Nitrate + Nitrite       | mg/L            |             | -       |                     |
|                    | Nitrogen (ammonia)      | mg/L            |             | -       |                     |
|                    | Phosphorus (total)      | mg/L            |             | -       |                     |
|                    | Total Kjeldhal Nitrogen | mg/L            |             | -       |                     |
| Monitoring Point 2 | Chlorophyll 'a'         | µg/L            |             | -       |                     |
|                    | pH                      | -               |             | 6.5-8.5 |                     |
|                    | BOD5                    | mg/L            |             | 20      |                     |
|                    | Total Suspended Solids  | mg/L            |             | 30      |                     |

| Sample date:       | Analysis obtained:      | Data published: |             |         |                     |
|--------------------|-------------------------|-----------------|-------------|---------|---------------------|
|                    | Pollutant               | Units           | Measurement | Limit   | Exceedance (Yes/No) |
| Monitoring Point 1 | Oil and Grease          | mg/L            |             | 10      |                     |
|                    | pH                      | -               |             | 6.5-8.5 |                     |
|                    | BOD5                    | mg/L            |             | 20      |                     |
|                    | Total Suspended Solids  | mg/L            |             | 30      |                     |
|                    | Conductivity            | µS/cm           |             | -       |                     |
|                    | Faecal Coliforms        | cfu/100ml       |             | -       |                     |
|                    | Nitrate + Nitrite       | mg/L            |             | -       |                     |
|                    | Nitrogen (ammonia)      | mg/L            |             | -       |                     |
|                    | Phosphorus (total)      | mg/L            |             | -       |                     |
|                    | Total Kjeldhal Nitrogen | mg/L            |             | -       |                     |
| Monitoring Point 2 | Chlorophyll 'a'         | µg/L            |             | -       |                     |
|                    | pH                      | -               |             | 6.5-8.5 |                     |
|                    | BOD5                    | mg/L            |             | 20      |                     |
|                    | Total Suspended Solids  | mg/L            |             | 30      |                     |

### Licence Limit Conditions

| L2: Concentration Limits |                        |       |                                     |                             |                     |
|--------------------------|------------------------|-------|-------------------------------------|-----------------------------|---------------------|
|                          | Pollutant              | Units | 90 percentile (calculated - annual) | 90 percentile licence limit | Exceedance (Yes/No) |
| Monitoring Point 1       | BOD5                   | mg/L  | 20                                  |                             |                     |
|                          | Oil & Grease           | mg/L  | 10                                  |                             |                     |
|                          | pH                     | -     | 6.5 - 8.5                           |                             |                     |
|                          | Total Suspended Solids | mg/L  | 30                                  |                             |                     |

| L3: Volume and Mass Limits |                 |        |       |                      |
|----------------------------|-----------------|--------|-------|----------------------|
|                            | Pollutant       | Units  | Limit | Days/year over limit |
| Monitoring point 1         | Effluent Volume | kL/day | 480   |                      |

Comments:

**Note:** Monthly reporting periods are excluded from the Licence Concentration Limits Conditions if:  
 analysis of Monitoring Point 1 exceed 50 µm/L and  
 during the exceedance complies with the quality limit  
 a) Chlorophyll 'a' levels during that months  
 b) the liquid waste entering the maturation ponds (Monitoring Point 2)