



Ashford Sewage Treatment Plant

Licence Period: 1 November 2020 to 31 October 2021

EPL No. 580: Ashford Sewage Treatment Plant

Cemetery Road, Ashford 2361

<https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=580&id=580&option=licence&searchrange=licence&range=POEO licence&prp=no&status=Issued>

Licencee: Inverell Shire Council

Monitoring Frequency - Monthly

| Sample date: | Analysis obtained: | Data published: | | | |
|--------------------|-------------------------|-----------------|-------------|---------|---------------------|
| | Pollutant | Units | Measurement | Limit | Exceedance (Yes/No) |
| 05/11/2020 | 16/11/2020 | 24/11/2020 | | | |
| Monitoring Point 1 | Oil and Grease | mg/L | <5 | 10 | No |
| | pH | - | 8.1 | 6.5-8.5 | No |
| | BOD5 | mg/L | 9 | 20 | No |
| | Total Suspended Solids | mg/L | 14 | 30 | No |
| | Conductivity | µS/cm | 696 | - | No |
| | Faecal Coliforms | cfu/100ml | 4800 | - | No |
| | Nitrate + Nitrite | mg/L | <0.01 | - | No |
| | Nitrogen (ammonia) | mg/L | 0.02 | - | No |
| | Phosphorus (total) | mg/L | 6.96 | - | No |
| | Total Kjeldhal Nitrogen | mg/L | 2.2 | - | No |
| | Chlorophyll 'a' | µg/L | 65 | - | No |
| Monitoring Point 2 | pH | - | 7.5 | 6.5-8.5 | No |
| | BOD5 | mg/L | 3 | 20 | No |
| | Total Suspended Solids | mg/L | 2 | 30 | No |
| 01/12/2020 | 14/12/2020 | 15/12/2020 | | | |
| Monitoring Point 1 | Oil and Grease | mg/L | <5 | 10 | No |
| | pH | - | 8.2 | 6.5-8.5 | No |
| | BOD5 | mg/L | 5 | 20 | No |
| | Total Suspended Solids | mg/L | 17 | 30 | No |
| | Conductivity | µS/cm | 778 | - | No |
| | Faecal Coliforms | cfu/100ml | ~430 | - | No |
| | Nitrate + Nitrite | mg/L | 0.02 | - | No |
| | Nitrogen (ammonia) | mg/L | <0.01 | - | No |
| | Phosphorus (total) | mg/L | 6.13 | - | No |
| | Total Kjeldhal Nitrogen | mg/L | 2.28 | - | No |
| | Chlorophyll 'a' | µg/L | 109 | - | No |
| Monitoring Point 2 | pH | - | 7.9 | 6.5-8.5 | No |
| | BOD5 | mg/L | 6 | 20 | No |
| | Total Suspended Solids | mg/L | 8 | 30 | No |
| 05/01/2021 | 14/01/2021 | 28/01/2021 | | | |
| Monitoring Point 1 | Oil and Grease | mg/L | <5 | 10 | No |
| | pH | - | 7.9 | 6.5-8.5 | No |
| | BOD5 | mg/L | 5 | 20 | No |
| | Total Suspended Solids | mg/L | 9 | 30 | No |
| | Conductivity | µS/cm | 694 | - | No |
| | Faecal Coliforms | cfu/100ml | 630 | - | No |
| | Nitrate + Nitrite | mg/L | <0.01 | - | No |
| | Nitrogen (ammonia) | mg/L | 0.05 | - | No |
| | Phosphorus (total) | mg/L | 5.22 | - | No |
| | Total Kjeldhal Nitrogen | mg/L | 1.9 | - | No |
| | Chlorophyll 'a' | µg/L | 64 | - | No |
| Monitoring Point 2 | pH | - | 7.6 | 6.5-8.5 | No |
| | BOD5 | mg/L | 9 | 20 | No |
| | Total Suspended Solids | mg/L | 13 | 30 | No |
| 02/02/2021 | 09/02/2021 | 15/02/2021 | | | |
| Monitoring Point 1 | Oil and Grease | mg/L | <5 | 10 | No |
| | pH | - | 7.7 | 6.5-8.5 | No |
| | BOD5 | mg/L | 20 | 20 | No |



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| | | | Licensee: Inverell Shire Council | | |
| | | | Monitoring Frequency - Monthly | | |
| Monitoring Point 2 | Total Suspended Solids | mg/L | 12 | 30 | No |
| | Conductivity | µS/cm | 630 | - | No |
| | Faecal Coliforms | cfu/100ml | ~130 | - | No |
| | Nitrate + Nitrite | mg/L | 0.01 | - | No |
| | Nitrogen (ammonia) | mg/L | 0.21 | - | No |
| | Phosphorus (total) | mg/L | 3.85 | - | No |
| | Total Kjeldhal Nitrogen | mg/L | 2.59 | - | No |
| | Chlorophyll 'a' | µg/L | 124 | - | No |
| | pH | - | 7.5 | 6.5-8.5 | No |
| | BOD5 | mg/L | 18 | 20 | No |
| Total Suspended Solids | mg/L | 10 | 30 | No | |
| Sample date: 02/03/2021 | Analysis obtained: 15/03/2021 | Data published: 17/03/2021 | | | |
| Monitoring Point 1 | Pollutant | Units | Measurement | Limit | Exceedance (Yes/No) |
| | Oil and Grease | mg/L | <5 | 10 | No |
| | pH | - | 7.5 | 6.5-8.5 | No |
| | BOD5 | mg/L | 10 | 20 | No |
| | Total Suspended Solids | mg/L | 15 | 30 | No |
| | Conductivity | µS/cm | 558 | - | No |
| | Faecal Coliforms | cfu/100ml | ~560 | - | No |
| | Nitrate + Nitrite | mg/L | 0.03 | - | No |
| | Nitrogen (ammonia) | mg/L | 0.06 | - | No |
| | Phosphorus (total) | mg/L | 3.72 | - | No |
| Total Kjeldhal Nitrogen | mg/L | 1.97 | - | No | |
| Chlorophyll 'a' | µg/L | 142 | - | No | |
| Monitoring Point 2 | pH | - | 7.4 | 6.5-8.5 | No |
| | BOD5 | mg/L | 6 | 20 | No |
| | Total Suspended Solids | mg/L | 9 | 30 | No |
| Sample date: 13/04/2021 | Analysis obtained: 24/04/2021 | Data published: 27/04/2021 | | | |
| Monitoring Point 1 | Pollutant | Units | Measurement | Limit | Exceedance (Yes/No) |
| | Oil and Grease | mg/L | <5 | 10 | No |
| | pH | - | 7.4 | 6.5-8.5 | No |
| | BOD5 | mg/L | 3 | 20 | No |
| | Total Suspended Solids | mg/L | 6 | 30 | No |
| | Conductivity | µS/cm | 643 | - | No |
| | Faecal Coliforms | cfu/100ml | 24 | - | No |
| | Nitrate + Nitrite | mg/L | 0.02 | - | No |
| | Nitrogen (ammonia) | mg/L | 0.12 | - | No |
| | Phosphorus (total) | mg/L | 2.34 | - | No |
| Total Kjeldhal Nitrogen | mg/L | 1.38 | - | No | |
| Chlorophyll 'a' | µg/L | 33 | - | No | |
| Monitoring Point 2 | pH | - | 7.5 | 6.5-8.5 | No |
| | BOD5 | mg/L | 3 | 20 | No |
| | Total Suspended Solids | mg/L | 2 | 30 | No |
| Sample date: 11/05/2021 | Analysis obtained: 20/05/2021 | Data published: 25/05/2021 | | | |
| Monitoring Point 1 | Pollutant | Units | Measurement | Limit | Exceedance (Yes/No) |
| | Oil and Grease | mg/L | <5 | 10 | No |
| | pH | - | 7.3 | 6.5-8.5 | No |
| | BOD5 | mg/L | 6 | 20 | No |
| | Total Suspended Solids | mg/L | 7 | 30 | No |
| | Conductivity | µS/cm | 605 | - | No |
| | Faecal Coliforms | cfu/100ml | 300 | - | No |
| | Nitrate + Nitrite | mg/L | 0.01 | - | No |
| | Nitrogen (ammonia) | mg/L | 0.16 | - | No |



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| | | | Licensee: Inverell Shire Council | | |
| | | | Monitoring Frequency - Monthly | | |
| Monitoring Point 2 | Phosphorus (total) | mg/L | 2.9 | - | No |
| | Total Kjeldhal Nitrogen | mg/L | 1.59 | - | No |
| | Chlorophyll 'a' | µg/L | 35 | - | No |
| | pH | - | 7.3 | 6.5-8.5 | No |
| | BOD5 | mg/L | 3 | 20 | No |
| | Total Suspended Solids | mg/L | 3 | 30 | No |
| Sample date: 1/6/21 | | | | | |
| Analysis obtained: | | | | | |
| Data published: | | | | | |
| Monitoring Point 1 | Pollutant | Units | Measurement | Limit | Exceedance (Yes/No) |
| | Oil and Grease | mg/L | <5 | 10 | No |
| | pH | - | 7.4 | 6.5-8.5 | No |
| | BOD5 | mg/L | 6 | 20 | No |
| | Total Suspended Solids | mg/L | 7 | 30 | No |
| | Conductivity | µS/cm | 637 | - | No |
| | Faecal Coliforms | cfu/100ml | 42 | - | No |
| | Nitrate + Nitrite | mg/L | 0.05 | - | No |
| | Nitrogen (ammonia) | mg/L | 0.54 | - | No |
| | Phosphorus (total) | mg/L | 3.75 | - | No |
| | Total Kjeldhal Nitrogen | mg/L | 2.35 | - | No |
| | Chlorophyll 'a' | µg/L | 45 | - | No |
| | Monitoring Point 2 | pH | - | 7.4 | 6.5-8.5 |
| BOD5 | | mg/L | 5 | 20 | No |
| Total Suspended Solids | | mg/L | 4 | 30 | No |
| Sample date: 06/07/2021 | | | | | |
| Analysis obtained: 14/07/2021 | | | | | |
| Data published: 22/07/2021 | | | | | |
| Monitoring Point 1 | Pollutant | Units | Measurement | Limit | Exceedance (Yes/No) |
| | Oil and Grease | mg/L | <5 | 10 | No |
| | pH | - | 8 | 6.5-8.5 | No |
| | BOD5 | mg/L | 15 | 20 | No |
| | Total Suspended Solids | mg/L | 11 | 30 | No |
| | Conductivity | µS/cm | 735 | - | No |
| | Faecal Coliforms | cfu/100ml | ~6 | - | No |
| | Nitrate + Nitrite | mg/L | 1.37 | - | No |
| | Nitrogen (ammonia) | mg/L | 0.51 | - | No |
| | Phosphorus (total) | mg/L | 3.44 | - | No |
| | Total Kjeldhal Nitrogen | mg/L | 3.23 | - | No |
| | Chlorophyll 'a' | µg/L | 116 | - | No |
| | Monitoring Point 2 | pH | - | 8 | 6.5-8.5 |
| BOD5 | | mg/L | 10 | 20 | No |
| Total Suspended Solids | | mg/L | 9 | 30 | No |
| Sample date: 03/08/2021 | | | | | |
| Analysis obtained: 11/08/2021 | | | | | |
| Data published: 26/08/2021 | | | | | |
| Monitoring Point 1 | Pollutant | Units | Measurement | Limit | Exceedance (Yes/No) |
| | Oil and Grease | mg/L | <5 | 10 | No |
| | pH | - | 8.8 | 6.5-8.5 | Yes |
| | BOD5 | mg/L | 12 | 20 | No |
| | Total Suspended Solids | mg/L | 28 | 30 | No |
| | Conductivity | µS/cm | 1018 | - | No |
| | Faecal Coliforms | cfu/100ml | 120 | - | No |
| | Nitrate + Nitrite | mg/L | 0.24 | - | No |
| | Nitrogen (ammonia) | mg/L | 0.27 | - | No |
| | Phosphorus (total) | mg/L | 1.98 | - | No |
| | Total Kjeldhal Nitrogen | mg/L | 3.06 | - | No |
| | Chlorophyll 'a' | µg/L | 350 | - | No |
| | Monitoring Point 2 | pH | - | 7.8 | 6.5-8.5 |
| BOD5 | | mg/L | 5 | 20 | No |



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| | | | Licencee: Inverell Shire Council | | |
| | | | Monitoring Frequency - Monthly | | |
| Total Suspended Solids | | mg/L | 4 | 30 | No |
| Sample date: 07/09/2021 | Analysis obtained: 20/09/2021 | Data published: 27/09/2021 | | | |
| | Pollutant | Units | Measurement | Limit | Exceedance (Yes/No) |
| Monitoring Point 1 | Oil and Grease | mg/L | <5 | 10 | No |
| | pH | - | 8.1 | 6.5-8.5 | No |
| | BOD5 | mg/L | 10 | 20 | No |
| | Total Suspended Solids | mg/L | 3 | 30 | No |
| | Conductivity | µS/cm | 1200 | - | No |
| | Faecal Coliforms | cfu/100ml | ~14 | - | No |
| | Nitrate + Nitrite | mg/L | <0.1 | - | No |
| | Nitrogen (ammonia) | mg/L | 2 | - | No |
| | Phosphorus (total) | mg/L | 3.7 | - | No |
| | Total Kjeldhal Nitrogen | mg/L | 3.4 | - | No |
| | Chlorophyll 'a' | µg/L | 4 | - | No |
| Monitoring Point 2 | pH | - | 8 | 6.5-8.5 | No |
| | BOD5 | mg/L | 6 | 20 | No |
| | Total Suspended Solids | mg/L | 8 | 30 | No |
| Sample date: 05/10/2021 | Analysis obtained: 13/10/2021 | Data published: 25/10/2021 | | | |
| | Pollutant | Units | Measurement | Limit | Exceedance (Yes/No) |
| Monitoring Point 1 | Oil and Grease | mg/L | <5 | 10 | No |
| | pH | - | 8 | 6.5-8.5 | No |
| | BOD5 | mg/L | 3 | 20 | No |
| | Total Suspended Solids | mg/L | 3 | 30 | No |
| | Conductivity | µS/cm | 1144 | - | No |
| | Faecal Coliforms | cfu/100ml | 38 | - | No |
| | Nitrate + Nitrite | mg/L | 0.19 | - | No |
| | Nitrogen (ammonia) | mg/L | 1.35 | - | No |
| | Phosphorus (total) | mg/L | 3.62 | - | No |
| | Total Kjeldhal Nitrogen | mg/L | 2.61 | - | No |
| | Chlorophyll 'a' | µg/L | 6 | - | No |
| Monitoring Point 2 | pH | - | 7.9 | 6.5-8.5 | No |
| | BOD5 | mg/L | 3 | 20 | No |
| | Total Suspended Solids | mg/L | <2 | 30 | No |
| 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:
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

Monthly reporting periods
a) Chlorophyll 'a' levels during that months
b) the liquid waste entering the maturation ponds (Monitoring Point 2)