



## CERTIFICATE OF ANALYSIS

Batch No: 26-52866

Final Report

384351

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Client: GWM Water

Contact: Wastewater Quality Officer

Address: PO Box 481  
HORSHAM  
VIC  
3402

Laboratory

Address

Scoresby Laboratory  
Caribbean Business Park,  
22 Dalmore Drive,  
Scoresby,  
VIC 3179  
03 8756 8000  
03 9763 1862  
Carmin Depalma  
Carmin.DePalma@alsglobal.com

Phone

Fax

Contact:

PO No: Not Available

Date Sampled: 22-Sep-2026

Sampler Name: Matt Williams

Date Samples Received: 23-Sep-2026

ALS Program Ref: TPHORSHAM

Date Issued: 29-Sep-2026

Program Description: Horsham Wastewater Treatment Plant Monitoring

Client Ref: Horsham WWTP Discharge

The hash (#) below indicates methods not covered by NATA accreditation in the performance of this service.

| Analysis    | Method      | Laboratory | Analysis         | Method         | Laboratory |
|-------------|-------------|------------|------------------|----------------|------------|
| DO          | # CLIENT    | Scoresby   | Temp.            | # CLIENT       | Scoresby   |
| BOD5        | WP030       | Scoresby   | Colilert (2000)  | MM514          | Scoresby   |
| EC          | WA010       | Scoresby   | TCN              | WK062          | Scoresby   |
| NH3 as N    | WK055G      | Scoresby   | NO2-N            | EK057G         | Scoresby   |
| NO3-N       | EK058GV     | Scoresby   | NOX as N         | EK058V & 059GV | Scoresby   |
| pH          | WA005       | Scoresby   | SS at 104+/- 2°C | WA025          | Scoresby   |
| TKN/TP (HL) | WK061A 067A | Scoresby   | Turbidity        | WA045          | Scoresby   |

Result for pH in water tested in the laboratory may be indicative only as holding time is generally not achievable.

Samples tested for Colilert (MM514), Plate Count (MM524) or Enterolert (MM517), sampled before 11am the previous day will be outside holding time

### Signatories

| Name            | Title             | Name                     | Title          |
|-----------------|-------------------|--------------------------|----------------|
| Carmin De Palma | Client Manager    | Charuni Wickramaarachchi | Lab Technician |
| Hoa T. Nguyen   | Analyst           | Joseph De Alwis          | Analyst        |
| Jessica Kelly   | Chemist / Analyst | Nazish Shehzad           | Analyst        |

Samples not collected by ALS and are tested as received.

Calculated results are based on raw data.

Samples are tested within holding time unless otherwise stated.

Results contained within this report relate only to the samples tested.

The report shall not be reproduced, except in full.

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| Sample No | Site Code | Site Description                                       | Sample Type | Sampled Date/Time |
|-----------|-----------|--------------------------------------------------------|-------------|-------------------|
| 12922356  | SLHOR001  | 46287 - Final Lagoon Effluent (Winter Storage) Horsham | WATER       | 22/09/26 09:30    |
| 12922365  | SLHOR002  | 46287 - Final Discharge_Post DAF_Horsham WWTP          | WATER       | 22/09/26 09:10    |
| 12922374  | SOHOR002  | 46287 - VIDA Storage (700 ML) Effluent                 | WATER       | 22/09/26 07:30    |

| Analysis - Analyte                         | Sample No.<br>Site Code<br>Units | LOR  | 12922356<br>SLHOR001 | 12922365<br>SLHOR002 | 12922374<br>SOHOR002 |
|--------------------------------------------|----------------------------------|------|----------------------|----------------------|----------------------|
| Temp. - Water Temperature (CS)             | °C                               | -    | 10.2                 | 11.0                 | 10.8                 |
| DO - Dissolved Oxygen (CS)                 | mg/L                             | -    | 8.80                 | 4.50                 | 8.00                 |
| pH - pH, units                             | Units                            | -    | 8.3                  | 7.3                  | 8.3                  |
| BOD5 - Biochemical Oxygen Demand, 5 Day    | mg/L                             | 2    | 7                    | 44                   | <2                   |
| TKN/TP (HL) - Total Kjeldahl Nitrogen as N | mg N / L                         | 0.1  | 6.4                  | 6.5                  | 2.0                  |
| TKN/TP (HL) - Phosphorus, total as P       | mg P / L                         | 0.05 | 6.8                  | 5.6                  | 4.0                  |
| SS at 104+/- 2°C - Suspended Solids        | mg/L                             | 2    | 17                   | <2                   | 3                    |
| EC - Electrical Conductivity @ 25C         | uS/cm                            | 2    | 1500                 | 1400                 | 1800                 |
| Turbidity - Turbidity, NTU                 | NTU                              | 0.1  | 18                   | 7.4                  | 13                   |
| TCN - Total Nitrogen as N (Calc)           | mg/L                             | 0.1  | 12                   | 7.0                  | 2.9                  |
| NH3 as N - Ammonia, as N                   | mg N / L                         | 0.1  | 3.1                  | 5.7                  | 0.2                  |
| NOX as N - Nitrate + Nitrite, as N         | mg N / L                         | 0.01 | 5.6                  | 0.42                 | 0.90                 |
| NO3-N - Nitrate, as N                      | mg N / L                         | 0.01 | 5.3                  | 0.24                 | 0.85                 |
| NO2-N - Nitrite, as N                      | mg N / L                         | 0.01 | 0.37                 | 0.18                 | 0.04                 |
| Colilert (2000) - E.coli                   | MPN/100mL                        | 0    | 39                   | 0                    | 2                    |

| Sample No | Site Code | Site Description                              | Sample Type | Sampled Date/Time |
|-----------|-----------|-----------------------------------------------|-------------|-------------------|
| 12922383  | SOHOR005  | 46287 - Wimmera River - Upstream              | WATER       | 22/09/26 08:30    |
| 12922392  | SOHOR010  | 46287 - Wimmera River (Downstream) Horsham    | WATER       | 22/09/26 08:10    |
| 12922401  | SOHOR011  | 46287 - Wimmera River-Discharge Point Horsham | WATER       | 22/09/26 08:45    |

| Analysis - Analyte                         | Sample No.<br>Site Code<br>Units | LOR  | 12922383<br>SOHOR005 | 12922392<br>SOHOR010 | 12922401<br>SOHOR011 |
|--------------------------------------------|----------------------------------|------|----------------------|----------------------|----------------------|
| Temp. - Water Temperature (CS)             | °C                               | -    | 9.7                  | 8.2                  | 8.9                  |
| DO - Dissolved Oxygen (CS)                 | mg/L                             | -    | 7.60                 | 7.70                 | 7.90                 |
| pH - pH, units                             | Units                            | -    | 7.4                  | 7.4                  | 7.6                  |
| BOD5 - Biochemical Oxygen Demand, 5 Day    | mg/L                             | 2    | 3                    | 4                    | 9                    |
| TKN/TP (HL) - Total Kjeldahl Nitrogen as N | mg N / L                         | 0.1  | 2.0                  | 2.5                  | 6.8                  |
| TKN/TP (HL) - Phosphorus, total as P       | mg P / L                         | 0.05 | 0.21                 | 0.80                 | 2.6                  |
| SS at 104+/- 2°C - Suspended Solids        | mg/L                             | 2    | 18                   | 23                   | 23                   |
| EC - Electrical Conductivity @ 25C         | uS/cm                            | 2    | 820                  | 880                  | 1100                 |
| Turbidity - Turbidity, NTU                 | NTU                              | 0.1  | 64                   | 61                   | 48                   |
| TCN - Total Nitrogen as N (Calc)           | mg/L                             | 0.1  | 2.1                  | 3.1                  | 9.9                  |
| NH3 as N - Ammonia, as N                   | mg N / L                         | 0.1  | <0.1                 | 0.3                  | 0.8                  |
| NOX as N - Nitrate + Nitrite, as N         | mg N / L                         | 0.01 | 0.06                 | 0.60                 | 3.0                  |
| NO3-N - Nitrate, as N                      | mg N / L                         | 0.01 | 0.05                 | 0.54                 | 2.8                  |
| NO2-N - Nitrite, as N                      | mg N / L                         | 0.01 | <0.01                | 0.06                 | 0.27                 |
| Colilert (2000) - E.coli                   | MPN/100mL                        | 0    | 20                   | 85                   | 85                   |

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| Sample No | Site Code | Site Description                          | Sample Type | Sampled Date/Time |
|-----------|-----------|-------------------------------------------|-------------|-------------------|
| 12922410  | SOHOR014  | 46287 - McKenzie River - Upstream Horsham | WATER       | 22/09/26 07:50    |

| Analysis - Analyte                         | Sample No.<br>Site Code<br>Units | LOR  | 12922410<br>SOHOR014 |
|--------------------------------------------|----------------------------------|------|----------------------|
| Temp. - Water Temperature (CS)             | °C                               | -    | 9.0                  |
| DO - Dissolved Oxygen (CS)                 | mg/L                             | -    | 5.00                 |
| pH - pH, units                             | Units                            | -    | 7.0                  |
| BOD5 - Biochemical Oxygen Demand, 5 Day    | mg/L                             | 2    | 4                    |
| TKN/TP (HL) - Total Kjeldahl Nitrogen as N | mg N / L                         | 0.1  | 2.7                  |
| TKN/TP (HL) - Phosphorus, total as P       | mg P / L                         | 0.05 | 0.41                 |
| SS at 104+/- 2°C - Suspended Solids        | mg/L                             | 2    | 8                    |
| EC - Electrical Conductivity @ 25C         | uS/cm                            | 2    | 190                  |
| Turbidity - Turbidity, NTU                 | NTU                              | 0.1  | 76                   |
| TCN - Total Nitrogen as N (Calc)           | mg/L                             | 0.1  | 2.7                  |
| NH3 as N - Ammonia, as N                   | mg N / L                         | 0.1  | <0.1                 |
| NOX as N - Nitrate + Nitrite, as N         | mg N / L                         | 0.01 | <0.05 LINT           |
| NO3-N - Nitrate, as N                      | mg N / L                         | 0.01 | <0.05 LINT           |
| NO2-N - Nitrite, as N                      | mg N / L                         | 0.01 | <0.05 LINT           |
| Colilert (2000) - E.coli                   | MPN/100mL                        | 0    | 120                  |

LINT                      Level of Reporting raised due to interferences in the sample matrix

A blank space indicates no test performed.