



CERTIFICATE OF ANALYSIS

Batch No: **26-43023**

Final Report

369212

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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

Phone
Fax

03 8756 8000
03 9763 1862

Contact:

Carmin De Palma
Client Manager
Carmin.DePalma@alsglobal.com

PO No: **Not Available**

Date Sampled: **15-Jul-2026**

Sampler Name: **Matt Williams**

Date Samples Received: **16-Jul-2026**

ALS Program Ref: **TPHORSHAM**

Date Issued: **22-Jul-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	EC	# CLIENT	Scoresby
pH	# CLIENT	Scoresby	Temp.	# CLIENT	Scoresby
BOD5	WP030	Scoresby	Colilert (2000)	MM514	Scoresby
TCN	WK062	Scoresby	NH3 as N	WK055G	Scoresby
NO2-N	EK057G	Scoresby	NO3-N	EK058GV	Scoresby
NOX as N	EK058V & 059GV	Scoresby	SS at 104+/- 2°C	WA025	Scoresby
TKN/TP (HL)	WK061A 067A	Scoresby	Turbidity	WA045	Scoresby

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	Chatura Perera	Team Leader Nutrients
Hoa T. Nguyen	Analyst	Jessica Kelly	Chemist / Analyst
Mary Semeredi	Analyst	Thanh U. Nguyen	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.



For holding time compliance, method uncertainty, quality control and brief method summary, please refer to accompanying QC report. When a reported LOR is higher than the standard LOR, this may be due to high moisture content, insufficient sample or matrix interference. LOR = Limit of Reporting

Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
12729772	SLHOR001	46218 - Final Lagoon Effluent (Winter Storage) Horsham	WATER	15/07/26 11:15
12729781	SLHOR002	46218 - Final Discharge_Post DAF_Horsham WWTP	WATER	15/07/26 11:00
12729790	SOHOR002	46218 - VIDA Storage (700 ML) Effluent	WATER	15/07/26 12:00

Analysis - Analyte	Sample No. Site Code Units	LOR	12729772 SLHOR001	12729781 SLHOR002	12729790 SOHOR002
Temp. - Water Temperature (CS)	°C	-	10.9	10.8	11.0
pH - pH (CS)	Units	-	7.0	7.10	7.60
EC - Electrical Conductivity (CS)	uS/cm	-	1310	1340	1330
DO - Dissolved Oxygen (CS)	mg/L	-	8.50	4.40	8.0
BOD5 - Biochemical Oxygen Demand, 5 Day	mg/L	2	<2	20	<2
TKN/TP (HL) - Total Kjeldahl Nitrogen as N	mg N / L	0.1	8.1	6.1	2.1
TKN/TP (HL) - Phosphorus, total as P	mg P / L	0.05	6.3	4.8	4.0
SS at 104+/- 2°C - Suspended Solids	mg/L	2	12	9	6
Turbidity - Turbidity, NTU	NTU	0.1	10	1.8	6.5
TCN - Total Nitrogen as N (Calc)	mg/L	0.1	9.1	9.7	3.0
NH3 as N - Ammonia, as N	mg N / L	0.1	7.1	5.8	1.3
NOX as N - Nitrate + Nitrite, as N	mg N / L	0.01	0.98	3.6	0.96
NO3-N - Nitrate, as N	mg N / L	0.01	0.84	1.8	0.87
NO2-N - Nitrite, as N	mg N / L	0.01	0.13	1.8	0.10
Colilert (2000) - E.coli	MPN/100mL	0	1	0	3

Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
12729799	SOHOR005	46218 - Wimmera River - Upstream	WATER	15/07/26 10:45
12729808	SOHOR010	46218 - Wimmera River (Downstream) Horsham	WATER	15/07/26 10:00
12729817	SOHOR011	46218 - Wimmera River-Discharge Point Horsham	WATER	15/07/26 10:30

Analysis - Analyte	Sample No. Site Code Units	LOR	12729799 SOHOR005	12729808 SOHOR010	12729817 SOHOR011
Temp. - Water Temperature (CS)	°C	-	10.3	10.5	10.3
pH - pH (CS)	Units	-	7.30	7.40	7.70
EC - Electrical Conductivity (CS)	uS/cm	-	980	1000	1310
DO - Dissolved Oxygen (CS)	mg/L	-	9.50	9.33	9.40
BOD5 - Biochemical Oxygen Demand, 5 Day	mg/L	2	<2	<2	5
TKN/TP (HL) - Total Kjeldahl Nitrogen as N	mg N / L	0.1	0.9	1.6	6.0
TKN/TP (HL) - Phosphorus, total as P	mg P / L	0.05	0.09	0.77	4.7
SS at 104+/- 2°C - Suspended Solids	mg/L	2	36	26	22
Turbidity - Turbidity, NTU	NTU	0.1	91	79	39
TCN - Total Nitrogen as N (Calc)	mg/L	0.1	1.1	2.0	7.2
NH3 as N - Ammonia, as N	mg N / L	0.1	0.2	1.0	5.2
NOX as N - Nitrate + Nitrite, as N	mg N / L	0.01	0.19	0.31	1.2
NO3-N - Nitrate, as N	mg N / L	0.01	0.18	0.29	1.1
NO2-N - Nitrite, as N	mg N / L	0.01	0.01	0.03	0.13
Colilert (2000) - E.coli	MPN/100mL	0	77	100	61

A blank space indicates no test performed.