CERTIFICATE OF ANALYSIS

Batch No: **26-42972**
Final Report **370642**

Client: **GWM Water**
Contact: **Wastewater Quality Officer**
Address: PO Box 481
HORSHAM
VIC
3402

Laboratory Scoresby Laboratory
Address Caribbean Business Park,
22 Dalmore Drive,
Scoresby,
VIC 3179
Phone 03 8756 8000
Fax 03 9763 1862
Contact: Carmin De Palma
Client Manager
Carmin.DePalma@alsglobal.com

PO No: **Not Available**
Sampler Name: **Matt Williams**
ALS Program Ref: **TPHORSHAM**

Date Sampled: **23-Jul-2026**
Date Samples Received: **24-Jul-2026**
Date Issued: **29-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
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**	**Chatura Perera**	**Team Leader Nutrients**
Hoa T. Nguyen	**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.

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ALS Program Ref: **TPHORSHAM**
Program Description: **Horsham Wastewater Treatment Plant Monitoring**

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
12729826	SLHOR001	46225 - Final Lagoon Effluent (Winter Storage) Horsham	WATER	23/07/26 12:00
12729835	SLHOR002	46225 - Final Discharge_Post DAF_Horsham WWTP	WATER	23/07/26 12:30
12729844	SOHOR002	46225 - VIDA Storage (700 ML) Effluent	WATER	23/07/26 13:00

Analysis - Analyte	Sample No. / Site Code / Units	LOR	12729826 SLHOR001	12729835 SLHOR002	12729844 SOHOR002
Temp. - Water Temperature (CS)	°C	-	11.0	12.0	10.0
pH - pH (CS)	Units	-	7.60	7.50	7.70
EC - Electrical Conductivity (CS)	uS/cm	-	1350	1310	1400
DO - Dissolved Oxygen (CS)	mg/L	-	8.5	7.0	8.8
BOD5 - Biochemical Oxygen Demand, 5 Day	mg/L	2	12	22	<2
TKN/TP (HL) - Total Kjeldahl Nitrogen as N	mg N / L	0.1	9.4	7.1	2.4
TKN/TP (HL) - Phosphorus, total as P	mg P / L	0.05	6.5	5.9	4.0
SS at 104+/- 2°C - Suspended Solids	mg/L	2	35	13	6
Turbidity - Turbidity, NTU	NTU	0.1	24	18	9.6
TCN - Total Nitrogen as N (Calc)	mg/L	0.1	10	11	3.8
NH3 as N - Ammonia, as N	mg N / L	0.1	6.9	6.2	0.9
NOX as N - Nitrate + Nitrite, as N	mg N / L	0.01	0.87	3.8	1.4
NO3-N - Nitrate, as N	mg N / L	0.01	0.76	0.96	1.2
NO2-N - Nitrite, as N	mg N / L	0.01	0.11	2.8	0.12
Colilert (2000) - E.coli	MPN/100mL	0	2	0	2

Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
12729853	SOHOR005	46225 - Wimmera River - Upstream	WATER	23/07/26 09:30
12729862	SOHOR010	46225 - Wimmera River (Downstream) Horsham	WATER	23/07/26 09:00
12729871	SOHOR011	46225 - Wimmera River-Discharge Point Horsham	WATER	23/07/26 10:00

Analysis - Analyte	Sample No. / Site Code / Units	LOR	12729853 SOHOR005	12729862 SOHOR010	12729871 SOHOR011
Temp. - Water Temperature (CS)	°C	-	11.0	9.5	9.8
pH - pH (CS)	Units	-	7.30	7.40	
EC - Electrical Conductivity (CS)	uS/cm	-	350	380	
DO - Dissolved Oxygen (CS)	mg/L	-	7.5	7.5	7.0
pH - pH, units	Units	-			7.6
BOD5 - Biochemical Oxygen Demand, 5 Day	mg/L	2	<2	<2	<2
TKN/TP (HL) - Total Kjeldahl Nitrogen as N	mg N / L	0.1	0.9	0.8	0.8
TKN/TP (HL) - Phosphorus, total as P	mg P / L	0.05	<0.05	0.26	0.06
SS at 104+/- 2°C - Suspended Solids	mg/L	2	21	14	11
EC - Electrical Conductivity @ 25C	uS/cm	2			1300
Turbidity - Turbidity, NTU	NTU	0.1	27	24	27
TCN - Total Nitrogen as N (Calc)	mg/L	0.1	1.0	1.0	0.9
NH3 as N - Ammonia, as N	mg N / L	0.1	<0.1	<0.1	<0.1
NOX as N - Nitrate + Nitrite, as N	mg N / L	0.01	0.07	0.15	0.07
NO3-N - Nitrate, as N	mg N / L	0.01	0.06	0.13	0.06
NO2-N - Nitrite, as N	mg N / L	0.01	<0.01	0.01	<0.01
Colilert (2000) - E.coli	MPN/100mL	0	54	56	47

A blank space indicates no test performed.