CERTIFICATE OF ANALYSIS

Batch No:	**26-52859**
Final Report	**378944**
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 Depalma
	Carmin.DePalma@alsglobal.com

PO No:	**Not Available**	*Date Sampled:*	**31-Aug-2026**
Sampler Name:	**Matt Williams**	*Date Samples Received:*	**01-Sep-2026**
ALS Program Ref:	**TPHORSHAM**	*Date Issued:*	**07-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**	**Chatura Perera**	**Team Leader Nutrients**
Jessica Kelly	**Chemist / Analyst**	**Thanh U. Nguyen**	**Analyst**
Nazish Shehzad	**Analyst**	**Simone Rhodes**	**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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Program Description: **Horsham Wastewater Treatment Plant Monitoring**

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Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
12922131	SLHOR001	46266 - Final Lagoon Effluent (Winter Storage) Horsham	WATER	31/08/26 10:30
12922140	SLHOR002	46266 - Final Discharge_Post DAF_Horsham WWTP	WATER	31/08/26 10:50
12922149	SOHOR002	46266 - VIDA Storage (700 ML) Effluent	WATER	31/08/26 11:30

Analysis - Analyte	Sample No. / Site Code / Units	LOR	12922131 SLHOR001	12922140 SLHOR002	12922149 SOHOR002
Temp. - Water Temperature (CS)	°C	-	11.0	10.0	12.0
DO - Dissolved Oxygen (CS)	mg/L	-	9.05	4.40	8.80
pH - pH, units	Units	-	8.1	7.2	8.4
BOD5 - Biochemical Oxygen Demand, 5 Day	mg/L	2	5	19	<2
TKN/TP (HL) - Total Kjeldahl Nitrogen as N	mg N / L	0.1	8.0	7.0	1.8
TKN/TP (HL) - Phosphorus, total as P	mg P / L	0.05	6.6	6.1	3.6
SS at 104+/- 2°C - Suspended Solids	mg/L	2	10	5	<2
EC - Electrical Conductivity @ 25C	uS/cm	2	1400	1400	1800
Turbidity - Turbidity, NTU	NTU	0.1	15	8.7	7.1
TCN - Total Nitrogen as N (Calc)	mg/L	0.1	11	9.3	3.0
NH3 as N - Ammonia, as N	mg N / L	0.1	5.4	6.0	0.3
NOX as N - Nitrate + Nitrite, as N	mg N / L	0.01	2.9	2.3	1.2
NO3-N - Nitrate, as N	mg N / L	0.01	2.7	0.63	1.1
NO2-N - Nitrite, as N	mg N / L	0.01	0.22	1.7	0.06
Colilert (2000) - E.coli	MPN/100mL	0	13	3	2

Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
12922158	SOHOR005	46266 - Wimmera River - Upstream	WATER	31/08/26 09:00
12922167	SOHOR010	46266 - Wimmera River (Downstream) Horsham	WATER	31/08/26 08:30
12922176	SOHOR011	46266 - Wimmera River-Discharge Point Horsham	WATER	31/08/26 09:25

Analysis - Analyte	Sample No. / Site Code / Units	LOR	12922158 SOHOR005	12922167 SOHOR010	12922176 SOHOR011
Temp. - Water Temperature (CS)	°C	-	11.5	10.8	10.5
DO - Dissolved Oxygen (CS)	mg/L	-	8.10	8.55	9.0
pH - pH, units	Units	-	7.5	7.5	7.4
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	2.1	1.8	1.9
TKN/TP (HL) - Phosphorus, total as P	mg P / L	0.05	0.21	0.30	0.36
SS at 104+/- 2°C - Suspended Solids	mg/L	2	32	32	42
EC - Electrical Conductivity @ 25C	uS/cm	2	560	570	560
Turbidity - Turbidity, NTU	NTU	0.1	110	110	120
TCN - Total Nitrogen as N (Calc)	mg/L	0.1	2.2	1.9	2.0
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	0.08	0.14	0.09
NO3-N - Nitrate, as N	mg N / L	0.01	0.07	0.12	0.08
NO2-N - Nitrite, as N	mg N / L	0.01	<0.01	0.02	<0.01
Colilert (2000) - E.coli	MPN/100mL	0	41	52	63

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Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
12922185	SOHOR014	46266 - McKenzie River - Upstream Horsham	WATER	31/08/26 11:10

Analysis - Analyte	*Sample No. Site Code Units*	*LOR*	12922185 SOHOR014
Temp. - Water Temperature (CS)	°C	-	11.8
DO - Dissolved Oxygen (CS)	mg/L	-	6.0
pH - pH, units	Units	-	7.3
BOD5 - Biochemical Oxygen Demand, 5 Day	mg/L	2	3
TKN/TP (HL) - Total Kjeldahl Nitrogen as N	mg N / L	0.1	8.9
TKN/TP (HL) - Phosphorus, total as P	mg P / L	0.05	0.64
SS at 104+/- 2°C - Suspended Solids	mg/L	2	6
EC - Electrical Conductivity @ 25C	uS/cm	2	170
Turbidity - Turbidity, NTU	NTU	0.1	220
TCN - Total Nitrogen as N (Calc)	mg/L	0.1	9.0
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	0.08
NO3-N - Nitrate, as N	mg N / L	0.01	0.08
NO2-N - Nitrite, as N	mg N / L	0.01	<0.01
Colilert (2000) - E.coli	MPN/100mL	0	63

A blank space indicates no test performed.