CERTIFICATE OF ANALYSIS

Batch No:	**26-42973**
Final Report	**372080**
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**	Date Sampled:	**30-Jul-2026**
Sampler Name:	**Matt Williams**	Date Samples Received:	**31-Jul-2026**
ALS Program Ref:	**TPHORSHAM**	*Date Issued:*	**05-Aug-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**	**Mary Semeredi**	**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
12729880	SLHOR001	46232 - Final Lagoon Effluent (Winter Storage) Horsham	WATER	30/07/26 10:00
12729889	SLHOR002	46232 - Final Discharge_Post DAF_Horsham WWTP	WATER	30/07/26 08:35
12729898	SOHOR002	46232 - VIDA Storage (700 ML) Effluent	WATER	30/07/26 11:30

Analysis - Analyte	*Sample No. Site Code Units*	*LOR*	12729880 SLHOR001	12729889 SLHOR002	12729898 SOHOR002
Temp. - Water Temperature (CS)	°C	-	10.5	11.0	10.7
pH - pH (CS)	Units	-	7.60	7.50	7.80
EC - Electrical Conductivity (CS)	uS/cm	-	1300	1320	1400
DO - Dissolved Oxygen (CS)	mg/L	-	8.0	5.10	8.50
BOD5 - Biochemical Oxygen Demand, 5 Day	mg/L	2	4	50	<2
TKN/TP (HL) - Total Kjeldahl Nitrogen as N	mg N / L	0.1	8.5	8.2	2.4
TKN/TP (HL) - Phosphorus, total as P	mg P / L	0.05	5.6	8.5	3.8
SS at 104+/- 2°C - Suspended Solids	mg/L	2	13	29	<2
Turbidity - Turbidity, NTU	NTU	0.1	14	34	7.8
TCN - Total Nitrogen as N (Calc)	mg/L	0.1	9.3	11	3.8
NH3 as N - Ammonia, as N	mg N / L	0.1	6.6	7.0	0.7
NOX as N - Nitrate + Nitrite, as N	mg N / L	0.01	0.87	2.9	1.4
NO3-N - Nitrate, as N	mg N / L	0.01	0.75	0.71	1.3
NO2-N - Nitrite, as N	mg N / L	0.01	0.11	2.2	0.12
Colilert (2000) - E.coli	MPN/100mL	0	16	0	2

Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
12729907	SOHOR005	46232 - Wimmera River - Upstream	WATER	30/07/26 09:30
12729916	SOHOR010	46232 - Wimmera River (Downstream) Horsham	WATER	30/07/26 09:00
12729925	SOHOR011	46232 - Wimmera River-Discharge Point Horsham	WATER	30/07/26 09:45

Analysis - Analyte	*Sample No. Site Code Units*	*LOR*	12729907 SOHOR005	12729916 SOHOR010	12729925 SOHOR011
Temp. - Water Temperature (CS)	°C	-	10.0	10.0	10.0
pH - pH (CS)	Units	-	7.30	7.40	7.50
EC - Electrical Conductivity (CS)	uS/cm	-	950	1050	1100
DO - Dissolved Oxygen (CS)	mg/L	-	7.2	9.0	7.5
BOD5 - Biochemical Oxygen Demand, 5 Day	mg/L	2	<2	<2	<3 LDIL
TKN/TP (HL) - Total Kjeldahl Nitrogen as N	mg N / L	0.1	2.8	2.8	2.8
TKN/TP (HL) - Phosphorus, total as P	mg P / L	0.05	0.27	0.68	1.5
SS at 104+/- 2°C - Suspended Solids	mg/L	2	32	15	31
Turbidity - Turbidity, NTU	NTU	0.1	110	94	110
TCN - Total Nitrogen as N (Calc)	mg/L	0.1	4.1	4.1	4.1
NH3 as N - Ammonia, as N	mg N / L	0.1	0.3	0.3	0.4
NOX as N - Nitrate + Nitrite, as N	mg N / L	0.01	1.3	1.3	1.3
NO3-N - Nitrate, as N	mg N / L	0.01	1.2	1.3	1.3
NO2-N - Nitrite, as N	mg N / L	0.01	0.05	0.06	0.06
Colilert (2000) - E.coli	MPN/100mL	0	26	26	36

LDIL Level of reporting raised due to necessary dilution

A blank space indicates no test performed.