



CERTIFICATE OF ANALYSIS

Batch No: 26-52863

Final Report

383122

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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

Contact:

03 8756 8000

03 9763 1862

Carmin Depalma

Carmin.DePalma@alsglobal.com

PO No: Not Available

Date Sampled: 17-Sep-2026

Sampler Name: Matt Williams

Date Samples Received: 18-Sep-2026

ALS Program Ref: TPHORSHAM

Date Issued: 23-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	Hoa T. Nguyen	Analyst
Joseph De Alwis	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.

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

The report shall not be reproduced, except in full.

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TPHORSHAM

Program Description:

Horsham Wastewater Treatment Plant Monitoring



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Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
12922275	SLHOR001	46280 - Final Lagoon Effluent (Winter Storage) Horsham	WATER	17/09/26 09:40
12922284	SLHOR002	46280 - Final Discharge_Post DAF_Horsham WWTP	WATER	17/09/26 09:00
12922293	SOHOR002	46280 - VIDA Storage (700 ML) Effluent	WATER	17/09/26 10:30

Analysis - Analyte	Sample No. Site Code Units	LOR	12922275 SLHOR001	12922284 SLHOR002	12922293 SOHOR002
Temp. - Water Temperature (CS)	°C	-	12.0	11.0	10.5
DO - Dissolved Oxygen (CS)	mg/L	-	8.0	4.0	9.0
pH - pH, units	Units	-	8.2	7.2	8.5
BOD5 - Biochemical Oxygen Demand, 5 Day	mg/L	2	6	22	<2
TKN/TP (HL) - Total Kjeldahl Nitrogen as N	mg N / L	0.1	6.3	7.7	1.8
TKN/TP (HL) - Phosphorus, total as P	mg P / L	0.05	7.3	6.2	4.3
SS at 104+/- 2°C - Suspended Solids	mg/L	2	24	<2	7
EC - Electrical Conductivity @ 25C	uS/cm	2	1500	1400	1800
Turbidity - Turbidity, NTU	NTU	0.1	20	5.4	10
TCN - Total Nitrogen as N (Calc)	mg/L	0.1	12	8.1	2.8
NH3 as N - Ammonia, as N	mg N / L	0.1	4.2	5.3	0.2
NOX as N - Nitrate + Nitrite, as N	mg N / L	0.01	5.7	0.44	0.99
NO3-N - Nitrate, as N	mg N / L	0.01	5.4	0.22	0.96
NO2-N - Nitrite, as N	mg N / L	0.01	0.35	0.23	0.04
Colilert (2000) - E.coli	MPN/100mL	0	93	0	3

Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
12922302	SOHOR005	46280 - Wimmera River - Upstream	WATER	17/09/26 08:45
12922311	SOHOR010	46280 - Wimmera River (Downstream) Horsham	WATER	17/09/26 07:45
12922320	SOHOR011	46280 - Wimmera River-Discharge Point Horsham	WATER	17/09/26 08:30

Analysis - Analyte	Sample No. Site Code Units	LOR	12922302 SOHOR005	12922311 SOHOR010	12922320 SOHOR011
Temp. - Water Temperature (CS)	°C	-	9.8	9.8	10.4
DO - Dissolved Oxygen (CS)	mg/L	-	7.5	7.2	7.8
pH - pH, units	Units	-	7.4	7.4	7.9
BOD5 - Biochemical Oxygen Demand, 5 Day	mg/L	2	<2	4	2
TKN/TP (HL) - Total Kjeldahl Nitrogen as N	mg N / L	0.1	1.9	2.0	2.1
TKN/TP (HL) - Phosphorus, total as P	mg P / L	0.05	0.20	0.43	4.0
SS at 104+/- 2°C - Suspended Solids	mg/L	2	54	18	7
EC - Electrical Conductivity @ 25C	uS/cm	2	800	870	1600
Turbidity - Turbidity, NTU	NTU	0.1	56	51	25
TCN - Total Nitrogen as N (Calc)	mg/L	0.1	2.0	2.2	3.2
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	0.09	0.17	1.1
NO3-N - Nitrate, as N	mg N / L	0.01	0.08	0.16	1.0
NO2-N - Nitrite, as N	mg N / L	0.01	<0.01	<0.01	0.05
Colilert (2000) - E.coli	MPN/100mL	0	91	84	20

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Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
12922329	SOHOR014	46280 - McKenzie River - Upstream Horsham	WATER	17/09/26 10:00

Analysis - Analyte	Sample No. Site Code Units	LOR	12922329 SOHOR014
Temp. - Water Temperature (CS)	°C	-	10.7
DO - Dissolved Oxygen (CS)	mg/L	-	4.8
pH - pH, units	Units	-	7.0
BOD5 - Biochemical Oxygen Demand, 5 Day	mg/L	2	<2
TKN/TP (HL) - Total Kjeldahl Nitrogen as N	mg N / L	0.1	3.3
TKN/TP (HL) - Phosphorus, total as P	mg P / L	0.05	0.44
SS at 104+/- 2°C - Suspended Solids	mg/L	2	4
EC - Electrical Conductivity @ 25C	uS/cm	2	190
Turbidity - Turbidity, NTU	NTU	0.1	110
TCN - Total Nitrogen as N (Calc)	mg/L	0.1	3.4
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	0.03
NO3-N - Nitrate, as N	mg N / L	0.01	0.03
NO2-N - Nitrite, as N	mg N / L	0.01	<0.01
Colilert (2000) - E.coli	MPN/100mL	0	61

A blank space indicates no test performed.