



CERTIFICATE OF ANALYSIS

Batch No: **26-64201**

Final Report

387445

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Client: **GWM Water**

Contact: **Wastewater Quality Officer**

Address: PO Box 481
HORSHAM
VIC
3402

Laboratory

Address

Scoresby Laboratory
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22 Dalmore Drive,
Scoresby,
VIC 3179

Phone

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Contact:

03 8756 8000

03 9763 1862

Carmin Depalma

Carmin.DePalma@alsglobal.com

PO No: **Not Available**

Date Sampled: **07-Oct-2026**

Sampler Name: **James Bowen**

Date Samples Received: **08-Oct-2026**

ALS Program Ref: **TPARARAT**

Date Issued: **14-Oct-2026**

Program Description: **Ararat Wastewater Treatment Plant Monitoring**

Client Ref: **Ararat WWTP Discharge**

The hash (#) below indicates methods not covered by NATA accreditation in the performance of this service.

Analysis	Method	Laboratory	Analysis	Method	Laboratory
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
Barbara Powell	Analyst	Hoa T. Nguyen	Analyst
Joseph De Alwis	Analyst	Jessica Kelly	Chemist / 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.

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 Report Number: 387445
 Client: GWM Water
 ALS Program Ref: TPARARAT
 Program Description: Ararat 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
13134152	FOARA001	46302 - Discharge point Ararat WW	WATER	07/10/26 13:50
13134161	FOARA002	46302 - 100 m Downstream of discharge point	WATER	07/10/26 13:40
13134170	FOARA004	46302 - 100 m Upstream of discharge point	WATER	07/10/26 13:30

Analysis - Analyte			Sample No. Site Code Units	LOR	13134152 FOARA001	13134161 FOARA002	13134170 FOARA004
pH - pH, units			Units	-	7.7	7.7	7.7
BOD5 - Biochemical Oxygen Demand, 5 Day			mg/L	2	3	3	<2
TKN/TP (HL) - Total Kjeldahl Nitrogen as N			mg N / L	0.1	1.9	1.9	1.9
TKN/TP (HL) - Phosphorus, total as P			mg P / L	0.05	0.19	0.15	0.17
SS at 104+/- 2°C - Suspended Solids			mg/L	2	14	12	6
EC - Electrical Conductivity @ 25C			uS/cm	2	1900	1900	1800
Turbidity - Turbidity, NTU			NTU	0.1	38	38	37
TCN - Total Nitrogen as N (Calc)			mg/L	0.1	2.0	2.0	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	0.06	0.07
NO3-N - Nitrate, as N			mg N / L	0.01	0.08	0.06	0.07
NO2-N - Nitrite, as N			mg N / L	0.01	<0.01	<0.01	<0.01
Colilert (2000) - E.coli			MPN/100mL	0	170	310	150

Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
13134179	SOARA010	46302 - Final (Southern) Lagoon Effluent	WATER	07/10/26 13:20

Analysis - Analyte			Sample No. Site Code Units	LOR	13134179 SOARA010
pH - pH, units			Units	-	8.0
BOD5 - Biochemical Oxygen Demand, 5 Day			mg/L	2	3
TKN/TP (HL) - Total Kjeldahl Nitrogen as N			mg N / L	0.1	3.0
TKN/TP (HL) - Phosphorus, total as P			mg P / L	0.05	11
SS at 104+/- 2°C - Suspended Solids			mg/L	2	7
EC - Electrical Conductivity @ 25C			uS/cm	2	1100
Turbidity - Turbidity, NTU			NTU	0.1	23
TCN - Total Nitrogen as N (Calc)			mg/L	0.1	7.7
NH3 as N - Ammonia, as N			mg N / L	0.1	0.4
NOX as N - Nitrate + Nitrite, as N			mg N / L	0.01	4.7
NO3-N - Nitrate, as N			mg N / L	0.01	4.6
NO2-N - Nitrite, as N			mg N / L	0.01	0.15
Colilert (2000) - E.coli			MPN/100mL	0	5

A blank space indicates no test performed.