

Customer Information

Laboratory Information

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CSR ID	122622-2025-CSR-1	ABN	69336525019 A business unit of the South Australian Water Corporation
Account #	122622	AWQC Reference	421401
Project	AWQC-213546 Barossa Infrastructure Ltd - Routine 25/26	Date samples received	10/04/2026
Samples #	1	Date reported	17/04/2026
Purchase order #		Page	Page 1 of 6

Incidents

Sample ID	S.Point	Description	Sampled Date	Analysis (where Applicable)	Incident Description
2026-001-7303	84513	Barossa Infrastructure Ltd - Fromms Square Williamstown	10/04/2026	Turbidity	Test not processed within holding time
2026-001-7303	84513	Barossa Infrastructure Ltd - Fromms Square Williamstown	10/04/2026	pH	Test not processed within holding time

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AWQC Signatories

This document has been electronically signed by the authorised signatories below .

Name	Title
Dzung Bui	Supervisor Metals, Physical and Radiation Testing
Ivana Cech	Technical Officer Chemistry
Vickie Dalglish	Supervisor Bacteriology and Molecular Testing
Aji John	Technical Officer Chemistry
Dinh Nguyen	Technical Officer Chemistry
Michael Nitschke	Radiation Chemist
Melissa Phillips	Senior Technical Officer Chemistry
Gayle Polley	Supervisor Nutrients and Waste
Yatri Shah	Technical Officer Chemistry
Sam Williams	Senior Field Technician

Description
Sampling Point 84513-Barossa
 Infrastructure Ltd -
 Fromms Square
 Williamstown
Sample ID *2026-001-7303
Sampled Date 10/04/2026 09:24
Collection Type AWQC Collected

Parameter	LOR	Units	Result
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Bacteriology

Bottle Temp (°C): NA

E.coli & Thermotolerant Coliforms Method: T0081-01 WMZ-500

Tested Date: 10/04/2026

E.coli	-	cfu/100mL	1			
Thermotolerant Coliforms	-	cfu/100mL	1			

Inorganic Chemistry - Metals

Bottle Temp (°C): NA

Metals Method: TIC-006 W09-023

Tested Date: 13/04/2026-14/04/2026

Arsenic - Total	0.00006	mg/L	0.00132			
Boron - Soluble	0.020	mg/L	<0.020			
Cadmium - Total	0.0001	mg/L	<0.0001			
Calcium	0.05	mg/L	16.8			
Chromium - Total	0.0001	mg/L	0.0003			
Iron - Total	0.0005	mg/L	0.2163			
Lead - Total	0.0001	mg/L	0.0061			
Magnesium	0.05	mg/L	11.4			
Manganese - Total	0.0001	mg/L	0.0408			
Potassium	0.05	mg/L	4.73			
Sodium	0.1	mg/L	47.0			
Sulphate	0.6	mg/L	12.6			
Sulphur	0.2	mg/L	4.2			
Zinc - Total	0.0003	mg/L	0.0100			

Metals Method: TMZ-M06 W09-023

Tested Date: 10/04/2026

Sodium Adsorption Ratio - Calculation	-		2.17			
Total Hardness as CaCO3	2.0	mg/L	89			

Inorganic Chemistry - Nutrients

Bottle Temp (°C): NA

Ammonia as N Method: T0100-01 W09-023

Tested Date: 15/04/2026

Ammonia as N	0.005	mg/L	0.035			
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Chloride Method: T0104-02 W09-023

Tested Date: 15/04/2026

Chloride	4.0	mg/L	69			
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Nitrate + Nitrite as N Method: T0161-01 W09-023

Tested Date: 16/04/2026

Nitrate + Nitrite as N	0.003	mg/L	0.043			
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Nitrogen - Total Method: TMZ-M06 W09-023

Tested Date: 10/04/2026

Nitrogen - Total	-	mg/L	0.68			
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Sample ID	*2026-001-7303		
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Collection Type	AWQC Collected		
Parameter	LOR	Units	Result

Inorganic Chemistry - Nutrients

Bottle Temp (°C): NA

Phosphorus - Total Method: T0109-01 W09-023

Tested Date: 14/04/2026

Phosphorus - Total	0.005	mg/L	0.041			
TKN as N Method: T0112-01 W09-023						
Tested Date: 14/04/2026						
TKN as Nitrogen	0.05	mg/L	0.64			

Inorganic Chemistry - Physical

Bottle Temp (°C): NA

Alkalinity Carbonate Bicarbonate and Hydroxide Method: T0101-01 W09-023

Tested Date: 14/04/2026

Alkalinity as Calcium Carbonate	-	mg/L	100			
Bicarbonate	-	mg/L	118			
Carbonate	-	mg/L	2			
Hydroxide	-	mg/L	0			

Conductivity & Total Dissolved Solids Method: T0016-01 W09-023

Tested Date: 14/04/2026

Conductivity	2	µS/cm	432			
Note	-		Conductivity measurement is corrected to 25°C			
Total Dissolved Solids (by EC)	1	mg/L	239			

pH Method: T0010-01 W09-023

Tested Date: 14/04/2026

pH	-	pH units	8.4			
Temperature at which pH is measured	-	°C	21.4			

Turbidity Method: T0018-01 W09-023

Tested Date: 13/04/2026

Turbidity	0.1	NTU	2.7			
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Sampling

Bottle Temp (°C): NA

Chlorine Method: T0012-01 W09-023

Tested Date: 10/04/2026

Chlorine - Free	0.1	mg/L	<0.1			
Chlorine - Total	0.1	mg/L	0.1			
Monochloramine	0.1	mg/L	0.1			

Inorganic Chemistry - Waste Water

Bottle Temp (°C): NA

Biochemical Oxygen Demand - Total Method: T0153-01 W09-023

Tested Date: 10/04/2026

Biochemical Oxygen Demand	2	mg/L	<2			
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Collection Type AWQC Collected

Parameter	LOR	Units	Result
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Inorganic Chemistry - Waste Water

Bottle Temp (°C): NA

Suspended Solids Method: T0160-01 W09-023

Tested Date: 15/04/2026

Suspended Solids	1.0	mg/L	3			
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Analytical Methods

Analytical Method Code	Description	Reference Method
T0010-01	Determination of pH	AP4500HB
T0012-01	Chlorine by classical and portable meter (field test)	AP4500CLF
T0016-01	Determination of Conductivity - Corrected to 25C	AP2510B
T0018-01	Turbidity - Nephelometric Measurement	APAWWA-WEF
T0081-01	E. coli - Membrane filtration	USEPA1604_1H
T0100-01	Ammonia/Ammonium by Discrete Analyser	AP4500NH3G
T0101-01	Alkalinity - Automated Acidimetric Titration	AP2320B
T0104-02	Chloride - Discrete Analyser	AP4500CLE
T0109-01	Phosphorus - total by discrete analyser	USEPA365.4
T0112-01	Nitrogen- Total Kjeldahl by discrete analyser	AP4500NORGA
T0153-01	Biochemical Oxygen Demand	AP5210B
T0160-01	Suspended Solids 103C to 105C	AP2540DE
T0161-01	Nitrate + Nitrate (NOx) - Automated Flow Colorimetry	AP4500NO3I
TIC-006	Elemental Analysis By ICP- MS	EPA200.8
TMZ-M06	Derived Results and Data Checks	
TMZ-M06	Derived Results and Data Checks	AP4500NORGA
TMZ-M06	Derived Results and Data Checks	APHA2340B
W-052	Preparation of Samples for Metal Analysis	AP3030AD

Sampling Methods

Sampling Method Code	Description
W09-023	Sampling Method for Chemical Analyses
WMZ-500	Sampling Method for Microbiological Analyses

Sampling Point and Sampled Date are provided when collected by customers. Validity of results are based on information and samples supplied by customers. Unless it is reported that sampling has been performed by AWQC, the samples have been analysed as received.

Laboratory Information

Laboratory	NATA accreditation ID
Bacteriology	1115
Customer Service Unit	-
Inorganic Chemistry - Metals	1115
Inorganic Chemistry - Nutrients	1115
Inorganic Chemistry - Physical	1115
Inorganic Chemistry - Waste Water	1115
Sampling	1115

Notes

1. The last figure of the result value is a significant figure.
2. # Indicates determination of the component is not covered by NATA Accreditation .
3. ^ Indicates result is out of specification according to the reference guideline.
4. * Indicates an incident has been recorded against the sample.
5. & Indicates the results have changed since the last issued report.
6. Where a result is required to meet compliance limits the associated measurement uncertainty must be considered. Measurement uncertainty is available at <https://www.awqc.com.au/about-us/quality-management>
7. Uncertainty of Measurement is reported with a coverage factor of 2 providing approximately 95% confidence interval
8. The Limit of Reporting (LOR) is the lowest concentration of analyte which is reported at the AWQC and is based on the LOQ rounded up to a more readily used value. The Limit of Quantitation (LOQ) is the lowest concentration of analyte for which quantitative results may be obtained within a specified degree of confidence.
9. Where collection type is AWQC Collect, NATA has confirmed that due to a robust system in place for maintaining the temperature integrity for samples collected by AWQC's Field Laboratory Services , the recording of temperature when samples arrive at the AWQC is out of scope .
10. If pH has been tested then the pH will be outside of its holding time unless measured in the field.