

Cootamundra Gundagai Regional Council

Wednesday, June 25, 2025

PO Box 420

Cootamundra NSW 2590

Attention: Andrew Brock



**NATA Accredited Laboratory
Number: 9597**

**Accredited for compliance with
ISO/IEC 17025 - Testing**

LABORATORY ANALYSIS REPORT

Report Number: 2506-0039

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For all enquiries related to this report please quote document number: 2506-0039

<u>Facility:</u>	<u>Order #</u>	<u>Date Analysis Commenced</u>
		12-June-2025

<u>Sample Type</u>	<u>Collected By</u>	<u>Date Received</u>
Effluent	Client	12-June-2025

<u>EAL ID</u>	<u>Client ID.</u> Date/Time sample taken	<u>Test</u>	<u>Result (units)</u>	<u>Method Reference</u>	<u>Limit of Reporting</u>
25Jun-0101	P1 Outlet to Creek 10.06.25 2.30pm	Ammonia as N	1.3 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	<2 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	39.2 mg/L	APHA 3030 E/3120 B	2
		Thermotolerant Faecal Coliforms	<1 CFU/100mL	* AS/NZS 4276.5:2019	1
		Conductivity	1560 µS/cm	APHA 2510 B	1
		Magnesium (acid extractable)	73.3 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	<0.1 mg/L	LTM-W-014	0.1
		Oil & Grease	7 mg/L	APHA 5520 D	1
		Ortho-Phosphate as P	0.04 mg/L	LTM-W-030	0.01
		Phosphorus, Total	0.26 mg/L	LTM-W-030	0.01
		pH	8.1 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	11.5 mg/L	APHA 3030 E/3120 B	2
		Sodium (acid extractable)	202 mg/L	APHA 3030 E/3120 B	2
		Total Kjeldahl Nitrogen	<2 mg/L	LTM-W-034	2
		Total Suspended Solids	10 mg/L	APHA 2540 D	2

25Jun-0102	P12 Pump Shed 10.06.25 2.25pm	Ammonia as N	1.1 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	<2 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	39.5 mg/L	APHA 3030 E/3120 B	2
		Thermotolerant Faecal Coliforms	<1 CFU/100mL	* AS/NZS 4276.5:2019	1
		Conductivity	1520 µS/cm	APHA 2510 B	1

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25Jun-0102	P12 Pump Shed 10.06.25 2.25pm	Magnesium (acid extractable)	74.4 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	<0.1 mg/L	LTM-W-014	0.1
		Oil & Grease	2 mg/L	APHA 5520 D	1
		Ortho-Phosphate as P	0.03 mg/L	LTM-W-030	0.01
		Phosphorus, Total	0.19 mg/L	LTM-W-030	0.01
		pH	8.2 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	12.0 mg/L	APHA 3030 E/3120 B	2
		Sodium (acid extractable)	200 mg/L	APHA 3030 E/3120 B	2
		Total Kjeldahl Nitrogen	2 mg/L	LTM-W-034	2
		Total Suspended Solids	11 mg/L	APHA 2540 D	2
25Jun-0103	Aeration Lagoon 10.06.25 2.10pm	Ammonia as N	0.1 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	280 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	169 mg/L	APHA 3030 E/3120 B	2
		Chloride	132 mg/L	* APHA 4500-Cl E	0.1
		Thermotolerant Faecal Coliforms	301000 CFU/100mL	* AS/NZS 4276.5:2019	1
		Conductivity	1350 µS/cm	APHA 2510 B	1
		Magnesium (acid extractable)	82.2 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	2.3 mg/L	LTM-W-014	0.1
		Nitrogen, total	157 mg/L	* APHA 4500-Norg B + 4110 B	2
		Nitrate/Nitrite as N	2.3 mg/L	LTM-W-014	0.1

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25Jun-0103	Aeration Lagoon 10.06.25 2.10pm				
		Phosphorus, Total	53.2 mg/L	LTM-W-030	0.3
		pH	7.1 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	22.0 mg/L	APHA 3030 E/3120 B	2
		Sodium Adsorption Ratio	3 Ratio	LTM-W-039	
		Sodium (acid extractable)	171 mg/L	APHA 3030 E/3120 B	2
		Total Dissolved Solids	855 mg/L	LTM-W-035	2
		Total Kjeldahl Nitrogen	155 mg/L	LTM-W-034	2
		Total Organic Nitrogen	155 mg/L	* APHA 4500 Norg B - APHA 4500-NH3 G	2
		Total Suspended Solids	2350 mg/L	APHA 2540 D	2
25Jun-0104	Clarifier 10.06.25 2.05pm				
		Ammonia as N	0.3 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	9 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	70.3 mg/L	APHA 3030 E/3120 B	2
		Chloride	139 mg/L	* APHA 4500-Cl E	0.1
		Thermotolerant Faecal Coliforms	35500 CFU/100mL	* AS/NZS 4276.5:2019	1
		Conductivity	1420 µS/cm	APHA 2510 B	1
		Magnesium (acid extractable)	42.2 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	4.8 mg/L	LTM-W-014	0.1
		Nitrogen, total	7 mg/L	* APHA 4500-Norg B + 4110 B	2
		Nitrate/Nitrite as N	4.8 mg/L	LTM-W-014	0.1
		Phosphorus, Total	0.39 mg/L	LTM-W-030	0.01

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25Jun-0104	Clarifier 10.06.25 2.05pm	pH	7.5 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	10.2 mg/L	APHA 3030 E/3120 B	2
		Sodium Adsorption Ratio	3 Ratio	LTM-W-039	
		Sodium (acid extractable)	122 mg/L	APHA 3030 E/3120 B	2
		Total Dissolved Solids	910 mg/L	LTM-W-035	2
		Total Kjeldahl Nitrogen	2 mg/L	LTM-W-034	2
		Total Organic Nitrogen	2 mg/L	* APHA 4500 Norg B - APHA 4500-NH3 G	2
		Total Suspended Solids	10 mg/L	APHA 2540 D	2
25Jun-0105	Maturation Pond 10.06.25 2.15pm	Ammonia as N	0.5 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	<2 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	82.5 mg/L	APHA 3030 E/3120 B	2
		Chloride	122 mg/L	* APHA 4500-Cl E	0.1
		Thermotolerant Faecal Coliforms	111 CFU/100mL	* AS/NZS 4276.5:2019	1
		Conductivity	1350 µS/cm	APHA 2510 B	1
		Magnesium (acid extractable)	55.6 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	1.0 mg/L	LTM-W-014	0.1
		Nitrogen, total	3 mg/L	* APHA 4500-Norg B + 4110 B	2
		Nitrate/Nitrite as N	1.0 mg/L	LTM-W-014	0.1
		Phosphorus, Total	0.16 mg/L	LTM-W-030	0.01
		pH	8.0 pH units	APHA 4500-H+ B	

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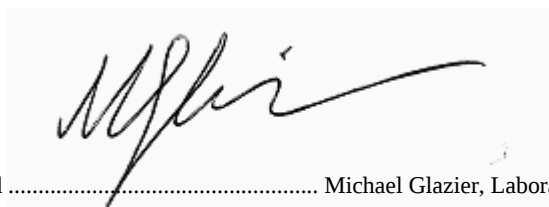
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25Jun-0105	Maturation Pond 10.06.25 2.15pm				
		Potassium (acid extractable)	11.0 mg/L	APHA 3030 E/3120 B	2
		Sodium Adsorption Ratio	3 Ratio	LTM-W-039	
		Sodium (acid extractable)	162 mg/L	APHA 3030 E/3120 B	2
		Total Dissolved Solids	871 mg/L	LTM-W-035	2
		Total Kjeldahl Nitrogen	2 mg/L	LTM-W-034	2
		Total Organic Nitrogen	2 mg/L	* APHA 4500 Norg B - APHA 4500-NH3 G	2
		Total Suspended Solids	21 mg/L	APHA 2540 D	2

Note:

** NATA Accreditation does not cover the performance of this service.*



Signed Michael Glazier, Laboratory Manager.

All samples analysed as received.
All soil results are reported on a dry basis.
The EAL takes no responsibility for the end use of results within this report.
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