

Cootamundra Gundagai Regional Council

Tuesday, January 14, 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: 2412-0038

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For all enquiries related to this report please quote document number: 2412-0038

<u>Facility:</u>	<u>Order #</u>	<u>Date Analysis Commenced</u>
		12-December-2024
<u>Sample Type</u>	<u>Collected By</u>	<u>Date Received</u>
Water	J. Turner	12-December-2024

<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>
24Dec-0081	P1 - Outlet to Creek 10.12.24 11.45am	Ammonia as N	<0.1 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	3 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	72.0 mg/L	APHA 3030 E/3120 B	2
		Thermotolerant Faecal Coliforms	<1 CFU/100mL	* AS/NZS 4276.5:2019	1
		Conductivity	1650 µS/cm	APHA 2510 B	1
		Magnesium (acid extractable)	68.0 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	0.36 mg/L	LTM-W-030	0.01
		Phosphorus, Total	0.36 mg/L	LTM-W-030	0.01
		pH	8.7 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	9.7 mg/L	APHA 3030 E/3120 B	2
		Sodium (acid extractable)	154 mg/L	APHA 3030 E/3120 B	2
		Total Kjeldahl Nitrogen	4 mg/L	LTM-W-034	2
		Total Suspended Solids	5 mg/L	APHA 2540 D	2
24Dec-0082	P12 - Pump Shed 10.12.24 11.40am	Ammonia as N	<0.1 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	3 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	69.4 mg/L	APHA 3030 E/3120 B	2
		Thermotolerant Faecal Coliforms	<1 CFU/100mL	* AS/NZS 4276.5:2019	1
		Conductivity	1660 µS/cm	APHA 2510 B	1

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24Dec-0082	P12 - Pump Shed 10.12.24 11.40am	Magnesium (acid extractable)	65.2 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	<0.1 mg/L	LTM-W-014	0.1
		Oil & Grease	4 mg/L	APHA 5520 D	1
		Ortho-Phosphate as P	0.27 mg/L	LTM-W-030	0.01
		Phosphorus, Total	0.39 mg/L	LTM-W-030	0.01
		pH	8.8 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	9.4 mg/L	APHA 3030 E/3120 B	2
		Sodium (acid extractable)	148 mg/L	APHA 3030 E/3120 B	2
		Total Kjeldahl Nitrogen	2 mg/L	LTM-W-034	2
		Total Suspended Solids	<2 mg/L	APHA 2540 D	2
24Dec-0083	Aeration Lagoon 10.12.24 11.25am	Ammonia as N	<0.1 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	40 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	129 mg/L	APHA 3030 E/3120 B	2
		Chloride	185 mg/L	* APHA 4500-Cl E	0.1
		Thermotolerant Faecal Coliforms	410000 CFU/100mL	* AS/NZS 4276.5:2019	1
		Conductivity	1540 µS/cm	APHA 2510 B	1
		Magnesium (acid extractable)	67.3 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	0.3 mg/L	LTM-W-014	0.1
		Nitrogen, total	136 mg/L	* APHA 4500-Norg B + 4110 B	2
		Nitrate/Nitrite as N	0.3 mg/L	LTM-W-014	0.1

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24Dec-0083	Aeration Lagoon 10.12.24 11.25am	Phosphorus, Total	124 mg/L	LTM-W-030	0.3
		pH	7.1 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	21 mg/L	APHA 3030 E/3120 B	2
		Sodium Adsorption Ratio	2 Ratio	LTM-W-039	
		Sodium (acid extractable)	136 mg/L	APHA 3030 E/3120 B	2
		Total Dissolved Solids	990 mg/L	LTM-W-035	2
		Total Kjeldahl Nitrogen	136 mg/L	LTM-W-034	2
		Total Organic Nitrogen	136 mg/L	* APHA 4500 Norg B - APHA 4500-NH3 G	2
		Total Suspended Solids	1730 mg/L	APHA 2540 D	2
24Dec-0084	Clarifier 10.12.24 11.30am	Ammonia as N	0.1 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	10 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	83.6 mg/L	APHA 3030 E/3120 B	2
		Chloride	175 mg/L	* APHA 4500-Cl E	0.1
		Thermotolerant Faecal Coliforms	37800 CFU/100mL	* AS/NZS 4276.5:2019	1
		Conductivity	1520 µS/cm	APHA 2510 B	1
		Magnesium (acid extractable)	51.9 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	0.4 mg/L	LTM-W-014	0.1
		Nitrogen, total	2 mg/L	* APHA 4500-Norg B + 4110 B	2
		Nitrate/Nitrite as N	0.4 mg/L	LTM-W-014	0.1
		Phosphorus, Total	0.32 mg/L	LTM-W-030	0.01

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24Dec-0084	Clarifier 10.12.24 11.30am	pH	7.8 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	8.6 mg/L	APHA 3030 E/3120 B	2
		Sodium Adsorption Ratio	3 Ratio	LTM-W-039	
		Sodium (acid extractable)	123 mg/L	APHA 3030 E/3120 B	2
		Total Dissolved Solids	940 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	<2 mg/L	APHA 2540 D	2
24Dec-0085	Maturation Pond 10.12.24 11.35am	Ammonia as N	1.2 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	<2 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	88.9 mg/L	APHA 3030 E/3120 B	2
		Chloride	171 mg/L	* APHA 4500-CI E	0.1
		Thermotolerant Faecal Coliforms	299 CFU/100mL	* AS/NZS 4276.5:2019	1
		Conductivity	1570 µS/cm	APHA 2510 B	1
		Magnesium (acid extractable)	56.7 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	0.3 mg/L	LTM-W-014	0.1
		Nitrogen, total	3 mg/L	* APHA 4500-Norg B + 4110 B	2
		Nitrate/Nitrite as N	0.3 mg/L	LTM-W-014	0.1
		Phosphorus, Total	0.64 mg/L	LTM-W-030	0.01
		pH	8.3 pH units	APHA 4500-H+ B	



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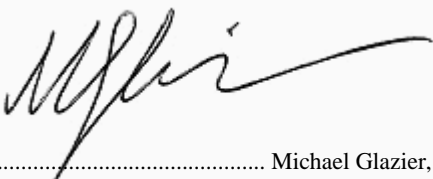
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24Dec-0085	Maturation Pond 10.12.24 11.35am	Potassium (acid extractable)	9.1 mg/L	APHA 3030 E/3120 B	2
		Sodium Adsorption Ratio	3 Ratio	LTM-W-039	
		Sodium (acid extractable)	131 mg/L	APHA 3030 E/3120 B	2
		Total Dissolved Solids	1000 mg/L	LTM-W-035	2
		Total Kjeldahl Nitrogen	3 mg/L	LTM-W-034	2
		Total Organic Nitrogen	2 mg/L	* APHA 4500 Norg B - APHA 4500-NH3 G	2
		Total Suspended Solids	2 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.
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