

Cootamundra Gundagai Regional Council

Friday, June 7, 2024

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: 2404-0106

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For all enquiries related to this report please quote document number: 2404-0106

<u>Facility:</u>	<u>Order #</u>	<u>Date Analysis Commenced</u>
		26-April-2024

<u>Sample Type</u>	<u>Collected By</u>	<u>Date Received</u>
Water	Client	26-April-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>
24Apr-0336	P1 - Outlet to Creek 23.04.24 2.15pm	Ammonia as N	2.0 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	<2 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	70.2 mg/L	APHA 3030 E/3120 B	2
		Thermotolerant Faecal Coliforms	<1 CFU/100mL	* AS/NZS 4276.5:2019	1
		Conductivity	1700 µS/cm	APHA 2510 B	1
		Magnesium (acid extractable)	73.0 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	0.4 mg/L	LTM-W-014	0.1
		Oil & Grease	1 mg/L	APHA 5520 D	1
		Ortho-Phosphate as P	0.01 mg/L	LTM-W-030	0.01
		Phosphorus, Total	0.15 mg/L	LTM-W-030	0.01
		pH	8.9 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	11.3 mg/L	APHA 3030 E/3120 B	2
		Sodium (acid extractable)	161 mg/L	APHA 3030 E/3120 B	10
		Total Kjeldahl Nitrogen	4 mg/L	LTM-W-034	2
		Total Suspended Solids	14 mg/L	APHA 2540 D	2

24Apr-0337	P12 - Pump Shed 23.04.24 2.10pm	Ammonia as N	1.9 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	<2 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	72.8 mg/L	APHA 3030 E/3120 B	2
		Thermotolerant Faecal Coliforms	<1 CFU/100mL	* AS/NZS 4276.5:2019	1
		Conductivity	1700 µS/cm	APHA 2510 B	1

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		26-April-2024

<u>Sample Type</u>	<u>Collected By</u>	<u>Date Received</u>
Water	Client	26-April-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>
24Apr-0337	P12 - Pump Shed 23.04.24 2.10pm	Magnesium (acid extractable)	74.2 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	0.3 mg/L	LTM-W-014	0.1
		Oil & Grease	1 mg/L	APHA 5520 D	1
		Ortho-Phosphate as P	0.01 mg/L	LTM-W-030	0.01
		Phosphorus, Total	0.19 mg/L	LTM-W-030	0.01
		pH	8.9 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	11.7 mg/L	APHA 3030 E/3120 B	2
		Sodium (acid extractable)	158 mg/L	APHA 3030 E/3120 B	10
		Total Kjeldahl Nitrogen	4 mg/L	LTM-W-034	2
		Total Suspended Solids	8 mg/L	APHA 2540 D	2
24Apr-0338	Aeration Lagoon 23.04.24 1.55pm	Ammonia as N	<0.1 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	444 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	144 mg/L	APHA 3030 E/3120 B	4
		Chloride	189 mg/L	* APHA 4500-Cl E	0.1
		Thermotolerant Faecal Coliforms	210000 CFU/100mL	* AS/NZS 4276.5:2019	1
		Conductivity	1790 µS/cm	APHA 2510 B	1
		Magnesium (acid extractable)	80.5 mg/L	APHA 3030 E/3120 B	4
		Nitrate as N	0.3 mg/L	LTM-W-014	0.1
		Nitrogen, total	71 mg/L	* APHA 4500-Norg B + 4110 B	2
		Nitrate/Nitrite as N	0.2 mg/L	LTM-W-014	0.1

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Water	Client	26-April-2024			
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24Apr-0338	Aeration Lagoon 23.04.24 1.55pm	Phosphorus, Total	37.5 mg/L	LTM-W-030	0.3
		pH	7.3 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	20.4 mg/L	APHA 3030 E/3120 B	4
		Sodium Adsorption Ratio	3 Ratio	LTM-W-039	
		Sodium (acid extractable)	171 mg/L	APHA 3030 E/3120 B	4
		Total Dissolved Solids	1140 mg/L	LTM-W-035	2
		Total Kjeldahl Nitrogen	71 mg/L	LTM-W-034	2
		Total Organic Nitrogen	71 mg/L	* APHA 4500 Norg B - APHA 4500-NH3 G	2
		Total Suspended Solids	1380 mg/L	APHA 2540 D	2
24Apr-0339	Clarifier 23.04.24 2.00pm	Ammonia as N	<0.1 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	9 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	107 mg/L	APHA 3030 E/3120 B	2
		Chloride	184 mg/L	* APHA 4500-Cl E	0.1
		Thermotolerant Faecal Coliforms	1550 CFU/100mL	* AS/NZS 4276.5:2019	1
		Conductivity	1760 µS/cm	APHA 2510 B	1
		Magnesium (acid extractable)	67.8 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	1.3 mg/L	LTM-W-014	0.1
		Nitrogen, total	6 mg/L	* APHA 4500-Norg B + 4110 B	2
		Nitrate/Nitrite as N	3.8 mg/L	LTM-W-014	0.1
		Phosphorus, Total	0.17 mg/L	LTM-W-030	0.01

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24Apr-0339	Clarifier 23.04.24 2.00pm	pH	7.5 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	12.9 mg/L	APHA 3030 E/3120 B	2
		Sodium Adsorption Ratio	3 Ratio	LTM-W-039	
		Sodium (acid extractable)	148 mg/L	APHA 3030 E/3120 B	10
		Total Dissolved Solids	1130 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	4 mg/L	APHA 2540 D	2
24Apr-0340	Maturation Pond 23.04.24 2.05pm	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)	94.9 mg/L	APHA 3030 E/3120 B	2
		Chloride	183 mg/L	* APHA 4500-CI E	0.1
		Thermotolerant Faecal Coliforms	200 CFU/100mL	* AS/NZS 4276.5:2019	1
		Conductivity	1680 µS/cm	APHA 2510 B	1
		Magnesium (acid extractable)	62.9 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	<0.1 mg/L	LTM-W-014	0.1
		Nitrogen, total	6 mg/L	* APHA 4500-Norg B + 4110 B	2
		Nitrate/Nitrite as N	3.3 mg/L	LTM-W-014	0.1
		Phosphorus, Total	0.12 mg/L	LTM-W-030	0.01
		pH	8.7 pH units	APHA 4500-H+ B	



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24Apr-0340	Maturation Pond 23.04.24 2.05pm	Potassium (acid extractable)	11.4 mg/L	APHA 3030 E/3120 B	2
		Sodium Adsorption Ratio	3 Ratio	LTM-W-039	
		Sodium (acid extractable)	139 mg/L	APHA 3030 E/3120 B	10
		Total Dissolved Solids	1080 mg/L	LTM-W-035	2
		Total Kjeldahl Nitrogen	3 mg/L	LTM-W-034	2
		Total Organic Nitrogen	3 mg/L	* APHA 4500 Norg B - APHA 4500-NH3 G	2
		Total Suspended Solids	6 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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