

Cootamundra Gundagai Regional Council

Tuesday, October 17, 2023

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: 2309-0028

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For all enquiries related to this report please quote document number: 2309-0028

<u>Facility:</u>	<u>Order #</u>	<u>Date Analysis Commenced</u>
		08-September-2023
<u>Sample Type</u>	<u>Collected By</u>	<u>Date Received</u>
Water	Client	08-September-2023

<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>
23Sep-0058	P1 06.09.23 2.40pm	Ammonia as N	4.2 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	<2 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	132 mg/L	APHA 3030 E/3120 B	2
		Faecal coliforms	<1 cfu/100mL	* AS/NZS 4276.7:2007	
		Conductivity	2050 µS/cm	APHA 2510 B	1
		Magnesium (acid extractable)	81.2 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	0.8 mg/L	LTM-W-022	0.1
		Oil & Grease	2 mg/L	APHA 5520 D	1
		Ortho-Phosphate as P	<0.01 mg/L	LTM-W-030	0.01
		Phosphorus, Total	<0.01 mg/L	LTM-W-030	0.01
		pH	8.0 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	10.0 mg/L	APHA 3030 E/3120 B	2
		Sodium (acid extractable)	188 mg/L	APHA 3030 E/3120 B	10
		Total Kjeldahl Nitrogen	6 mg/L	LTM-W-034	2
		Total Suspended Solids	<2 mg/L	APHA 2540 D	2

23Sep-0059	P12 06.09.23 2.35pm	Ammonia as N	4.3 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	4 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	131 mg/L	APHA 3030 E/3120 B	2
		Faecal coliforms	4 cfu/100mL	* AS/NZS 4276.7:2007	
		Conductivity	2060 µS/cm	APHA 2510 B	1

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23Sep-0059	P12 06.09.23 2.35pm	Magnesium (acid extractable)	81.3 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	0.8 mg/L	LTM-W-022	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	<0.01 mg/L	LTM-W-030	0.01
		pH	8.1 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	10.2 mg/L	APHA 3030 E/3120 B	2
		Sodium (acid extractable)	185 mg/L	APHA 3030 E/3120 B	10
		Total Kjeldahl Nitrogen	6 mg/L	LTM-W-034	2
		Total Suspended Solids	<2 mg/L	APHA 2540 D	2
23Sep-0060	Aeration Lagoon 06.09.23 2.25pm	Ammonia as N	2.3 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	128 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	164 mg/L	APHA 3030 E/3120 B	2
		Chloride	280 mg/L	APHA 4110 B	0.1
		Faecal coliforms	190000 cfu/100mL	* AS/NZS 4276.7:2007	
		Conductivity	2230 µS/cm	APHA 2510 B	1
		Magnesium (acid extractable)	89.7 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	<0.1 mg/L	LTM-W-022	0.1
		Nitrogen, total	95 mg/L	* APHA 4500-Norg B + 4110 B	2
		Nitrate/Nitrite as N	<0.1 mg/L	APHA 4110 B	0.1

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23Sep-0060	Aeration Lagoon 06.09.23 2.25pm	Phosphorus, Total	40.2 mg/L	LTM-W-030	0.3
		pH	7.4 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)	196 mg/L	APHA 3030 E/3120 B	2
		Total Dissolved Solids	1260 mg/L	LTM-W-035	2
		Total Kjeldahl Nitrogen	95 mg/L	LTM-W-034	2
		Total Organic Nitrogen	93 mg/L	* APHA 4500 Norg B - APHA 4500-NH3 G	2
		Total Suspended Solids	2100 mg/L	APHA 2540 D	2
23Sep-0061	Clarifier 06.09.23 2.20pm	Ammonia as N	3.2 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	5 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	153 mg/L	APHA 3030 E/3120 B	2
		Chloride	282 mg/L	APHA 4110 B	0.1
		Faecal coliforms	320 cfu/100mL	* AS/NZS 4276.7:2007	
		Conductivity	2280 µS/cm	APHA 2510 B	1
		Magnesium (acid extractable)	92.3 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	<0.1 mg/L	LTM-W-022	0.1
		Nitrogen, total	6 mg/L	* APHA 4500-Norg B + 4110 B	2
		Nitrate/Nitrite as N	<0.1 mg/L	APHA 4110 B	0.1
		Phosphorus, Total	<0.01 mg/L	LTM-W-030	0.01

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23Sep-0061	Clarifier 06.09.23 2.20pm	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)	200 mg/L	APHA 3030 E/3120 B	10
		Total Dissolved Solids	1290 mg/L	LTM-W-035	2
		Total Kjeldahl Nitrogen	6 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
23Sep-0062	Maturation Pond 06.09.23 2.30pm	Ammonia as N	4.4 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	<2 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	139 mg/L	APHA 3030 E/3120 B	2
		Chloride	260 mg/L	APHA 4110 B	0.1
		Faecal coliforms	10 cfu/100mL	* AS/NZS 4276.7:2007	
		Conductivity	2130 µS/cm	APHA 2510 B	1
		Magnesium (acid extractable)	85.7 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	0.7 mg/L	LTM-W-022	0.1
		Nitrogen, total	9 mg/L	* APHA 4500-Norg B + 4110 B	2
		Nitrate/Nitrite as N	0.7 mg/L	APHA 4110 B	0.1
		Phosphorus, Total	<0.01 mg/L	LTM-W-030	0.01
		pH	7.9 pH units	APHA 4500-H+ B	



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23Sep-0062	Maturation Pond 06.09.23 2.30pm	Potassium (acid extractable)	10.4 mg/L	APHA 3030 E/3120 B	2
		Sodium Adsorption Ratio	3 Ratio	LTM-W-039	
		Sodium (acid extractable)	193 mg/L	APHA 3030 E/3120 B	10
		Total Dissolved Solids	1270 mg/L	LTM-W-035	2
		Total Kjeldahl Nitrogen	8 mg/L	LTM-W-034	2
		Total Organic Nitrogen	4 mg/L	* APHA 4500 Norg B - APHA 4500-NH3 G	2
		Total Suspended Solids	3 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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