## NARRABRI SEWAGE TREATMENT PLANT - MONTHLY POLLUTION MONITORING SUMMARY - SEPTEMBER 2022

NARRABRI SHIRE

Environment Protection Licence No. 200 Anniversary date: 01 August Version date: 13-Sep 2013

Licens

Narrabri Shire Council PO BOX 261 Narrabri NSW 2390

>219-1000ML Discharge (Small Plant)

QUALIT	Y/PERFORMANCE MONITO	DRING														
EPA ID. No. 1 DISCHARGE TO WATERS EFFLUENT QUALITY & VOLUME MONITORING	Site Description	- Effluent Discha	rge Pipeline - to	Narrabri Creek -POIN	Т1											
			No. of times measured	measured Monthly Summary												
Pollutant	Unit of Measurement	Sampling Frequency	during the month for licence reporting	Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	50%ile Limit	50%ile Actual	90%ile Limit	90%ile Actual	100%ile Limit	100%ile Actual	Within Limits
ochemical Oxygen Demand	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	6.0	N/A	N/A	20.0	N/A	30.0	N/A	YES
I and Grease	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	5.0	N/A	N/A	10.0	N/A	N/A	N/A	YES
1	pН	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	8.1	N/A	N/A	6.5-8.5	N/A	N/A	N/A	YES
otal Suspended Solids	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	7.0	45.0	N/A	N/A	N/A	N/A	N/A	YES
ecal Coliforms	CFU/100ml	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	42.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
trate +Nitrite (oxidised nitrogen)	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	11.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
trogen (ammonia)	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	5.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
trogen (total)	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	20.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
osphorus (total)	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	4.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
otal dissolved solids	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	613.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
otal kjeldahl Nitrogen	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	9.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A

EPA ID. No. 2  DISCHARGE TO UTILISATION AREA EFFLUENT QUALITY & VOLUME MONITORING	Site Description - I		e - to transfer effl on farm - POINT 2	uent to effluent irrigation	on									
				Monthly Summary										
	Unit of	Sampling	No. of times measured during the month for		Mean	Median			3DGM	3DGM	100%ile	100%ile	Within	
Pollutant	Measurement	Frequency	licence reporting	Minimum	Value	Value	Maximum	Actual	Limit	Actual	Limit	Actual	Limits	
Biochemical Oxygen Demand	milligrams per litre	Monthly	1	•	-	-	-	6	N/A	N/A	N/A	N/A	N/A	
Faecal Coliforms	CFU per 100 mL	Monthly	1	•	-	-	-	42	N/A	N/A	N/A	N/A	N/A	
Total Suspended Solids	milligrams per litre	Monthly	1	•	-	-	-	7	N/A	N/A	N/A	N/A	N/A	
Calcium	milligrams per litre	Quarterly	1	•	-	-	-	10	N/A	N/A	N/A	N/A	N/A	
Chloride	milligrams per litre	Quarterly	1	•	-	-	-	83	N/A	N/A	N/A	N/A	N/A	
Conductivity	Micro siemens per centimetre	Monthly	1	-	-	-	-	1080	N/A	N/A	N/A	N/A	N/A	
Magnesium	milligrams per litre	Quarterly	1	-	-	-	-	4	N/A	N/A	N/A	N/A	N/A	
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Monthly	1	-	-	-	-	11.1	N/A	N/A	N/A	N/A	N/A	
Nitrogen (ammonia)	milligrams per litre	Monthly	1	-	-	-	-	5.64	N/A	N/A	N/A	N/A	N/A	
Nitrogen (total)	milligrams per litre	Monthly	1	•	-	-	-	20.6	N/A	N/A	N/A	N/A	N/A	
Oil and Grease	milligrams per litre	Monthly	1	•	-	-	-	5	N/A	N/A	N/A	N/A	N/A	
pH	milligrams per litre	Monthly	1		-	-	-	8.08	N/A	N/A	N/A	N/A	N/A	
Phosphorus	milligrams per litre	Monthly	1		-	-	-	4.02	N/A	N/A	N/A	N/A	N/A	
Sodium	milligrams per litre	Quarterly	1		-	-	-	204	N/A	N/A	N/A	N/A	N/A	
Sodium Adsorption Ratio	Sodium adsorption ratio	Quarterly	1	•	-	-	-	13.8	N/A	N/A	N/A	N/A	N/A	
Total dissolved solids	milligrams per litre	Quarterly	1		-	-	-	613	N/A	N/A	N/A	N/A	N/A	
Total Kieldahl as Nitrogen	milligrams per litre	Monthly	1	-	-	-	-	9.5	N/A	N/A	N/A	N/A	N/A	

## VOLUME MONITORING

VOLUME IMOMITORING													
EPA ID. No. 3 INFLUENT VOLUME MONITORING													
			No. of times measured during the month for licence reporting										
					Mean	Median	Maximum	Total	3DGM	3DGM	100%ile	Volume	Within
Unit of measurement	Sampling frequency	Method		Minimum	Value	Value	Value	Value	Limit	Actual	Limit	limit	Limits
Kilolitres per day	Continuous	In line instrument	31	1464	2792.666667	-	5085	83780	-	-	-	-	N/A

## DEPTH MONITORING

EPA Id. No. 4 DEPTH MONITORING (LEVEL OF EFFLUENT IN STORMWATER BALANCING POND)	Site Des			n Basin -POINT 4								
			No. of times measured	Monthly Summary								
	Sampling Frequency	Method			Mean	Median		3DGM	3DGM	100%ile	100%ile	Within
Location / units				Minimum	Value	Value	Maximum	Limit	Actual	Limit	Actual	Limits

Storm pond level (m)	Daily	Inspection	31	1.1	1.1	1.1	-	-	-	-	N/A
Effluent pond level (m)	Daily	Inspection	31	1	1.21	1.5	-	-	-	-	N/A

Note: For pollutants with less than four samples measured during the monthly period see below for interpretation of summary tables: One required sample for licence reporting: Min, Mean, Median and Max values are all the exact data point
Two required samples for licence reporting: Min and Max values are the two exact data points
Three required samples for licence reporting: Min, Median and Max values are the three exact data points

## **VOLUME MONITORING**

Monthly Summary												
Monitoring Point	Unit of  Measurement	Sampling Frequency	No. of times measured during the month	Minimum	Mean	Maximum	Actual total Monthly Volume (KL)	Volume Limit Mg daily	Within Limits			
Point 1 - Wet Weather bypass to Narrabri Creek	megalitres per day	Daily (overflow only)	31	1739	3761.633333	5692	112849		YES			
Point 2 - Effluent Irrigation to Federation Farm	kL per day	Daily	31	0	15	92	450	N/A	N/A			

ASSESSABLE POLLUTANT - pollutant discharge during reporting period

	<u> </u>		Yearly										
(TO BE ASSESSED AT THE END OF THE YEARLY PERIOD)													
ASSESSABLE POLLUTANT	Load Limit (kg) Per Year	Sampling			Minimum	Mean	Maximum	Flow	Within				
AGGEGGABEET GEEGTAIRT		Frequency	No. of times measured during the mo	nth	William	Mean	Waxiiiaiii	Limit	Limits				
BOD (Enclosed water)	14540	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				
Nitrogen (total) (enclosed water)	29080	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				
Oil and Grease (enclosed water)	7270	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				
Phosphorus (total) (enclosed water)	7270	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				
Total suspended solids (enclosed water)	37620	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				