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



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

Narrabri Shire Council PO BOX 261 Narrabri NSW 2390

>219-1000ML Discharge (Small Plant)

QUA	LITY/PERFORMANCE MC	ONITORING
	EPA ID. No. 1	Site Description - Effluent Discharge Pipeline - to Narrabri Creek -POI

EFFLUENT QUALITY & VOLUME MONITORING																
			No. of times measured				Monti	hly 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
Biochemical Oxygen Demand	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	20.0	N/A	30.0	N/A	N/A
Oil and Grease	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10.0	N/A	N/A	N/A	N/A
pH	pH	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.5-8.5	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	N/A	45.0	N/A	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	CFU/100ml	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrate +Nitrite (oxidised nitrogen)	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Phosphorus (total)	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total dissolved solids	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total kjeldahl Nitrogen	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

EPA ID. No. 2	Site Description - Inlet to Pipeline -	to transfer effluent to effluent ir	rigation federation farm - P	OINT 2									
DISCHARGE TO UTILISATION AREA EFFLUENT QUALITY & VOLUME MONITORING													
			No. of times measured during the month for licence reporting	Monthly Summary									
Pollutant	Unit of Measurement	Sampling		Minimum	Mean Value	Median Value	Maximum	Actual	3DGM Limit	3DGM Actual	100%ile	100%ile Actual	Within
Biochemical Oxygen Demand	milligrams per litre	Frequency Monthly	1					Actual 11	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	CFU per 100 mL	Monthly	1		- :		- :	7	N/A N/A	N/A	N/A N/A	N/A N/A	N/A
Total Suspended Solids	milligrams per litre	Monthly	1 1		-	- :	- :	57	N/A	N/A	N/A	N/A	N/A
Calcium	milligrams per litre	Quarterly	1					8	N/A	N/A	N/A	N/A	N/A
Chloride	milligrams per litre	Quarterly	1		-			102	N/A	N/A	N/A	N/A	N/A
Conductivity	Micro siemens per centimetre	Monthly	1 1	-				1200	N/A	N/A	N/A	N/A	N/A
Magnesium	milligrams per litre	Quarterly	1		-			3	N/A	N/A	N/A	N/A	N/A
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Monthly	1		-	-		4.63	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1		-	-		0.08	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Monthly	1		-	-	-	11.8	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		-	-	-	9.6	N/A	N/A	N/A	N/A	N/A
Phosphorus	milligrams per litre	Monthly	1		-	-	-	4.36	N/A	N/A	N/A	N/A	N/A
Sodium	milligrams per litre	Quarterly	1		-	-	-	260	N/A	N/A	N/A	N/A	N/A
Sodium Adsorption Ratio	Sodium adsorption ratio	Quarterly	1		-	-		19.9	N/A	N/A	N/A	N/A	N/A
Total dissolved solids	milligrams per litre	Quarterly	1		-	-	-	865	N/A	N/A	N/A	N/A	N/A
Total Kieldahl as Nitrogen	milligrams per litre	Monthly	1		-	-	-	7.2	N/A	N/A	N/A	N/A	N/A

## VOLUME MONITORING

EPA ID. No. 3 INFLUENT VOLUME MONITORING	Site Description - Inlet to Sewage	e Description - Inlet to Sewage Treatment Works - POINT 3											
			No. of times measured during the month for licence reporting	Monthly Summary									
					Mean	Median	Maximum	Actual	3DGM	3DGM	100%ile	Volume	Withi
Unit of measurement	Sampling frequency	Method		Minimum	Value	Value	Value	Value	Limit	Actual	Limit	limit	Limi
lolitres per day	Continuous	In line instrument	30	20	1878.225806		3816	58225	-	-			N/

### DEPTH MONITORING

DEI III MONITORINO													
EPA Id. No. 4	ite Description - Stormwater Detention Basin -POINT 4												
DEPTH MONITORING (LEVEL OF EFFLUENT													
IN STORMWATER BALANCING POND)													
			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	30	1	1	-	1			-	-	N/A	
Effluent pond level (m)	Daily	Inspection	30	1.2	1.219354839	-	1.3			-	-	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	SEGME MONITORING												
	Monthly Summary												
	Unit of	Sampling					Actual total	Volume	Within				
Monitoring Point	Measurement	Frequency	No. of times measured during the month	Minimum	Mean	Maximum	Monthly Volume	Limit Mg	Limits				
Point 1 - Wet Weather bypass to River	megalitres per day	Daily (overflow only)	30	0	59.48387097	164	1,844		YES				
Point 2 - Effluent Irrigation to Federation Farm	kL per day	Daily	30	0	2080.322581	3,486	64,490	N/A	N/A				

#### ASSESSABLE POLLUTANT - pollutant discharge during reporting period

	Yearly											
(TO BE ASSESSED AT THE END OF THE YEARLY PERIOD)												
ASSESSABLE POLLUTANT	Load Limit (kg) Per Year	Sampling	Sampling				Maximum	Flow	Within			
ACCESSABLE I SELSTANI		Frequency	No. of times measured during the month		Minimum	Mean	Maximum	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			