## NARRABRI SEWAGE TREATMENT PLANT - MONTHLY POLLUTION MONITORING SUMMARY -NOV 2020



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 F	Plant)														
EFFLUENT QUALITY	ζ ,	,														
EPA ID. No. 1  DISCHARGE TO WATERS  EFFLUENT QUALITY & VOLUME  MONITORING	Site Description - Effluent Disc	harge Pipeline - to Narrabri Cr	eek -POINT 1 -NOT IN USE													
			No. of times measured				Monthly Sum	nmary								
Ballatast	Unit of	Sampling	during the month for	981 of 111111	Mean	Median		3DGM	3DGM	50%ile	50%ile	90%ile	90%ile	100%ile	100%ile	Within
Pollutant	Measurement	Frequency	licence reporting	Minimum	Value	Value	Maximum	Limit	Actual	Limit	Actual	Limit	Actual	Limit	Actual	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	рН	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

EFFLUENT QUALITY													
	Site Description - Inlet to Pipeline -	to transfer effluent to ef	fluent irrigation farm - POINT 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 Frequency		Minimum	Mean Value	Median Value	Maximum	Actual	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Biochemical Oxygen Demand	milligrams per litre	Monthly	1	-	Value	Value	Waxiiiiuiii	Actual 8	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	CFU per 100 mL	Monthly	1		-	-		160	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Monthly	1			-		51	N/A	N/A	N/A	N/A	N/A
Calcium	milligrams per litre	Quarterly	<u>'</u>	-		-		-	N/A	N/A	N/A	N/A	N/A
Chloride	milligrams per litre	Quarterly		-	_	-	-	-	N/A	N/A	N/A	N/A	N/A
Conducitvity	Microsiemens per entimetre	Monthly	1	-	-	-	-	1080	N/A	N/A	N/A	N/A	N/A
Magnesium	milligrams per litre	Quarterly	-	-	_	-	-	-	N/A	N/A	N/A	N/A	N/A
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Monthly	1	-	_	-	-	3.3	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	-	-	-	-	5.93	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Monthly	1	-	-	-	-	13.1	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	N/A	N/A	N/A	N/A	N/A
Phosphorus	milligrams per litre	Monthly	1	-	-	-	-	5.62	N/A	N/A	N/A	N/A	N/A
Sodium	milligrams per litre	Quarterly	-	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Sodium Adsorption Ratio	Sodium adsorption ratio	Quarterly	-	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Total dissolved solids	milligrams per litre	Quarterly	-	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Total Kjeldahl	milligrams per litre	Monthly	1	-	-	-	-	9.8	N/A	N/A	N/A	N/A	N/A

EPA Id. No. 3 INFLUENT VOLUME MONITORING	Site 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	100%ile	Within
Unit og measurment	Sampling frequency	Method		Minimum	Value	Value	Value	Value (monthly)-kL	Limit	Actual	Limit	Actual	Limits
Kilolitres per day	Continous	In line instrument	30	0	1364	-	1909	40910	-	-	-	-	N/A

DEPTH MONITORING												
EPA Id. No. 4 DEPTH MONITORING (LEVEL OF EFFLUENT IN STORMWATER BALANCING POND)	Site Description - Stromwater Det	ention Basin -POINT 4										
			No. of times measured	Monthly Summary								
	Sampling Frequency	Method			Mean	Median		3DGM	3DGM	100%ile	100%ile	Within
Loation / units				Minimum	Value	Value	Maximum	Limit	Actual	Limit	Actual	Limits
Storm pond level (m)	Daily	Inspection	30	1.3	1.306666667	-	1.4	-	-	-	-	-
Eflluent pond level (m)	Daily	Inspection	30	0.9	1.21	-	1.4	-	-	-	-	-

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	Sampling		Minimum	Mean	Maximum	Actual total	Volume	Within
Monitoring Font	Measurement	Frequency	No. of times measured during the month	William	Wieaii	WIGAIIIIUIII	lume (MONTHLY) -	Limit	Limits
Point 1 - Wet Weather bypass to River	megalitres per day	Daily (overflow only)	-	-	-	-	-	20	-
Point 2 - Effluent Irrigation to Federation Farm	kL per day	Daily	30	1	1137.766667	5,103	34,133	N/A	-

ASSESSABLE POLLUTANT - pollutant discharge	3 - 1 - 3 - 1 - 3 - 1 - 1 - 1 - 1 - 1 -		Yearly						
		(TO BE ASS	ESSED AT THE END OF THE YEARLY PERIOD)						
ASSESSABLE POLLUTANT	Load Limit (kg) Per Year	Sampling Frequency	No. of times measured during the month		Minimum	Mean	Maximum	Flow Limit	Within Limits
BOD (Enclosd water)	14540	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
litrogen (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/Δ	N/A	N/A	N/A	N/A	N/A	N/A