NARRABRI SEWAGE TREATMENT PLANT - MONTHLY POLLUTION MONITORING SUMMARY -January 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)

EPA ID. No. 1 DISCHARGE TO WATERS EFFLUENT QUALITY & VOLUME MONITORING	Site Description - Effluent Discha	rge Pipeline - to Narrabri Creek	-POINT 1													
			No. of times 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
Biochemical Oxygen Demand	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	13.0	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	<5	N/A	N/A	10.0	N/A	N/A	N/A	N/A
Н	pH	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	9.8	N/A	N/A	6.5-8.5	N/A	N/A	N/A	N/A
otal Suspended Solids	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	108.0	45.0	N/A	N/A	N/A	N/A	N/A	N/A
aecal Coliforms	CFU/100ml	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	180.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
litrate +Nitrite (oxidised nitrogen)	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	2.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
litrogen (ammonia)	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	0.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
litrogen (total)	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	15.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
hosphorus (total)	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	5.0	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	866.0	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	13.3	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	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
Biochemical Oxygen Demand	milligrams per litre	Monthly	1	-			-	13	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	CFU per 100 mL	Monthly	1	-	-	-	-	180	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Monthly	1	-	-	-	-	108	N/A	N/A	N/A	N/A	N/A
Calcium	milligrams per litre	Quarterly	1	-	-	-	-	14	N/A	N/A	N/A	N/A	N/A
Chloride	milligrams per litre	Quarterly	1	-	-	-	-	104	N/A	N/A	N/A	N/A	N/A
Conductivity	Micro siemens per centimetre	Monthly	1	-	-	-	-	1340	N/A	N/A	N/A	N/A	N/A
Magnesium	milligrams per litre	Quarterly	1	-	-	-	-	5	N/A	N/A	N/A	N/A	N/A
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Monthly	1	-	-	-	-	2.08	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	-	-	-	-	15.4	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
ρΗ	milligrams per litre	Monthly	1		-	-	-	9.8	N/A	N/A	N/A	N/A	N/A
Phosphorus	milligrams per litre	Monthly	1	-	-	-	-	4.97	N/A	N/A	N/A	N/A	N/A
Sodium	milligrams per litre	Quarterly	1	-	-	-	-	296	N/A	N/A	N/A	N/A	N/A
Sodium Adsorption Ratio	Sodium adsorption ratio	Quarterly	1		-	-	-	17.3	N/A	N/A	N/A	N/A	N/A
Total dissolved solids	milligrams per litre	Quarterly	1	-	-	-	-	866	N/A	N/A	N/A	N/A	N/A
Total Kieldahl as Nitrogen	milligrams per litre	Monthly	1	-				13.3	N/A	N/A	N/A	N/A	N/A

VOLUME MONITORING

EPA ID. No. 3 INFLUENT VOLUME MONITORING	Site Description - Inlet to Sewage 1	Freatment Works - POINT 3											
			No. of times measured during the month for licence reporting	Monthly Summary									
					Mean	Median	Maximum	Actual	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	30	0	1835.290323	-	3921	56894	-	-		-	N/A

DEPTH MONITORING

DEI III MONTORINO												
EPA Id. No. 4	Site Description - Stormwater Dete	Site Description - Stormwater Detention Basin -POINT 4										
DEPTH MONITORING (LEVEL OF EFFLUEN)	r											
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	1.293548387	-	1.5	-		-	-	N/A
Effluent pond level (m)	Daily	Inspection	30	1.1	1.21875	-	1.4					N/A
Emacine pond to ver (iii)	Daily	mopeonon	30	7-1	1.21070		1		· · · · · · · · · · · · · · · · · · ·	<u> </u>		IVA

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

/OLUME MONITORING													
	Monthly Summary												
Monitoring Point	Unit of	Sampling		Minimum	Mean	Maximum	Actual total	Volume	Within				
monitoring round	Measurement	Frequency	No. of times measured during the month			maximam	Monthly Volume	Limit Mg	Limits				
Point 1 - Wet Weather bypass to River	megalitres per day	Daily (overflow only)	30	469	2789.83871	8,905	86,485		YES				
Point 2 - Effluent Irrigation to Federation Farm	kL per day	Daily	30	0	0	0	0	N/A	N/A				

ASSESSABLE POLLUTANT - pollutant discharge during reporting period

ASSESSABLE POLLUTANT - pollutant discharge during repo	31											
			Yearly									
(TO BE ASSESSED AT THE END OF THE YEARLY PERIOD)												
ASSESSABLE POLLUTANT	Load Limit (kg) Per Year Sampling			Minimum Mean		Maximum	Flow	Within				
ASSESSABLE POLLUTANT		Frequency	No. of times measured d	uring the month	Wilnimum	weari	waximum	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			