NARRABRI SEWAGE TREATMENT PLANT - MONTHLY POLLUTION MONITORING SUMMARY -MAR 2021



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

Licensee

Narrabri Shire Council PO BOX 261 Narrabri NSW 2390

>219-1000ML Discharge (Small Plant)

No samples were collected as no discharge occurred during the month

	>219-1000ML Discharge (Small Pl	ant)														
EFFLUENT QUALITY																
EPA ID. No. 1	Site Description - Effluent Disch	arge Pipeline - to Narrabri Cree	k -POINT 1 -NOT IN USE**													
DISCHARGE TO WATERS EFFLUENT QUALITY & VOLUME MONITORING																
			No. of times measured					Monthly Summary								
	Unit of	Sampling	during the month for		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
рН	pН	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													
EPA ID. No. 2	Site Description - Inlet to Pipeline -	to transfer effluent to efflu	ent irrigation federation farm - P	POINT 2									
DISCHARGE TO UTILISATION AREA													
EFFLUENT QUALITY & VOLUME MONITORING													
MONITORING													
			No. of times measured										
			during the month for										
			licence reporting	Monthly Summary									
	Unit of	Complian			Moon	Median			2DCM	3DGM	100%ile	4000/:15	VA/14le in
Pollutant	Measurement	Sampling Frequency		Minimum	Mean Value	Value	Maximum	Actual	3DGM Limit	Actual	Limit	100%ile Actual	Within Limits
Biochemical Oxygen Demand	milligrams per litre	Monthly	1	- Millillulli	Value	value	Maxilliulli	Actual 14	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	CFU per 100 mL	Monthly	1	<u> </u>	-	-	-	150	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Monthly	1		-	-	-	72	N/A	N/A	N/A	N/A	N/A
Calcium	milligrams per litre	Quarterly	1		-	-	-	11	N/A	N/A	N/A	N/A	N/A
Chloride	milligrams per litre	Quarterly	1			_		84	N/A	N/A	N/A	N/A	N/A
Conductivity	Micro siemens per centimetre	Monthly	1		_	_	_	1120	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	-	-	-	-	5.58	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	-	-	-	-	0.04	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Monthly	1	-	-	-	-	17.3	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
рН	milligrams per litre	Monthly	1	-	-	-	-	9.7	N/A	N/A	N/A	N/A	N/A
Phosphorus	milligrams per litre	Monthly	1	-	-	-	-	4.63	N/A	N/A	N/A	N/A	N/A
Sodium	milligrams per litre	Quarterly	1	-	-	-	-	251	N/A	N/A	N/A	N/A	N/A
Sodium Adsorption Ratio	Sodium adsorption ratio	Quarterly	1	-	-	-	-	15.8	N/A	N/A	N/A	N/A	N/A
Total dissolved solids	milligrams per litre	Quarterly	1	-	-	-	-	675	N/A	N/A	N/A	N/A	N/A
Total Kjeldahl as Nitrogen	milligrams per litre	Monthly	1	-	-	-		11.7	N/A	N/A	N/A	N/A	N/A

INELLIENT VOLUME MONITORING

INFLUENT VOLUME MONIT	TORING												
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										
					Mean	Median	Maximum	Actual	3DGM	3DGM	100%ile	Volume	Within
Unit of measurement	Sampling frequency	Method		Minimum	Value	Value	Value	Value (monthly)-kL	Limit	Actual	Limit	limit	Limits
Kilolitres per day	Continuous	In line instrument	31	1202	2189.032258	-	5786	67860	-	-	-	-	N/A

DEPTH MONITORING

EPA ld. No. 4	Site Description - Stormwater Det	ention Basin -POINT 4										
DEPTH MONITORING (LEVEL OF EFFLUENT IN STORMWATER BALANCIN POND)	NG											
			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	1.296774194	-	1.4	-	-	-	-	
Effluent pond level (m)	Daily	Inspection	31	1.1	1.319354839	-	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											
	Unit of	Unit of Sampling					Actual total	Volume	Within		
Monitoring Point	Measurement	Frequency	No. of times measured during the month	Minimum	Mean	Maximum	Volume (MONTHLY) -KL	Limit L/s	Limits		
Point 1 - Wet Weather bypass to River (NOT IN USE)	megalitres per day	Daily (overflow only)	No. of times measured during the month	-	-	-	-	20	N/A		
Point 2 - Effluent Irrigation to Federation Farm	kL per day	Daily	31	1	2244.064516	3,601	69,566	N/A	N/A		

ASSESSABLE POLLUTANT - pollutant discharge during reporting period

ASSESSABLE POLLOTANT - pollutant discharge during r	reporting period												
			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 FOLLUTANT		Frequency No. of times measured during the month		William	Wealt	Waxiiiiuiii	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				