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

	UALITY/PERFORMANCE MONITORING															
EPA ID. No. 1	Site Description - Effluent Dischar	rge Pipeline - to Narrabri Creek ·	POINT 1													
DISCHARGE TO WATERS																
EFFLUENT QUALITY & VOLUME																
MONITORING																
	Monthly Summary															
			No. of times measured													
	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
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	01. 0 . 1. 1. 1. 1. 1. 1.			ONTO									
DISCHARGE TO UTILISATION AREA EFFLUENT QUALITY & VOLUME MONITORING	Site Description - Inlet to Pipeline -	to transier emuent to emuent irr	igation lederation farm - P	OINT 2									
			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	William	Value	Value	Waxiiiuiii	10	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	CFU per 100 mL	Monthly	1					1500	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Monthly	1					42	N/A	N/A	N/A	N/A	N/A
Calcium	milligrams per litre	Quarterly	1		-			N/A	N/A	N/A	N/A	N/A	N/A
Chloride	milligrams per litre	Quarterly	1		-	-		N/A	N/A	N/A	N/A	N/A	N/A
Conductivity	Micro siemens per centimetre	Monthly	1		-	-	-	1150	N/A	N/A	N/A	N/A	N/A
Magnesium	milligrams per litre	Quarterly	1			-		N/A	N/A	N/A	N/A	N/A	N/A
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Monthly	1		-			5.05	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1			٠		0.9	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Monthly	1		-	-		10.2	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		-	-	-	8.7	N/A	N/A	N/A	N/A	N/A
Phosphorus	milligrams per litre	Monthly	1		-	-	-	3.98	N/A	N/A	N/A	N/A	N/A
Sodium	milligrams per litre	Quarterly	1		-	-	-	N/A	N/A	N/A	N/A	N/A	N/A
Sodium Adsorption Ratio	Sodium adsorption ratio	Quarterly	1		-	-	-	N/A	N/A	N/A	N/A	N/A	N/A
Total dissolved solids	milligrams per litre	Quarterly	1		-	-	-	N/A	N/A	N/A	N/A	N/A	N/A
Total Kjeldahl as Nitrogen	milligrams per litre	Monthly	1	-	-	-	-	5.1	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	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	1437	1986.966667	-	4903	59609	-	-	-	-	N/A

EPA Id. No. 4	Site Description - Stormwater Det	ention Basin -POINT 4										
DEPTH MONITORING (LEVEL OF EFFLUEI IN STORMWATER BALANCING POND)												
IN STOKINWATER BALANCING FORD)			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	1.1	1.2		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

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Monthly Summary												
Monitoring Point	Unit of Sampling		No. of times measured during the	Minimum	Mean	Maximum	Actual total	Volume	Within Limits			
	Measurement	Frequency	month				Monthly Volume	Limit Mg	- 1			
Point 1 - Wet Weather bypass to River	megalitres per day	Daily (overflow only)	30	2	30.46666667	33	914		YES			
Point 2 - Effluent Irrigation to Federation Farm	kL per day	Daily	30	13	2109.272727	3,377	23,202	N/A	N/A			
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ASSESSABLE POLLUTANT - pollutant discharge during reporting period

SSESSABLE 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	No. of times measur	ed during the	Minimum	Mean	Maximum	Flow	Within			
ASSESSABLE I SEESTANI		Frequency	month		Millimani	Weatt	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			