NARRABRI SEWAGE TREATMENT PLANT - MONTHLY POLLUTION MONITORING SUMMARY -February 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

QUALITY/PERFORMANCE INC																
EPA ID. No. 1	Site Description - Effluent Dischar	rge Pipeline - to Narrabri Creek	POINT 1													
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	<2	N/A	N/A	20.0	N/A	30.0	N/A	YES
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	YES
pH	pН	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	9.7	N/A	N/A	6.5-8.5	N/A	N/A	N/A	NO
Total Suspended Solids	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	87.0	45.0	N/A	N/A	N/A	N/A	N/A	YES
Faecal Coliforms	CFU/100ml	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	66.0	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	2.9	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	0.3	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	13.3	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	4.5	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
Total kieldahl Nitrogen	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	10.4	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 in	rigation federation farm - I	POINT 2									
DISCHARGE TO UTILISATION AREA EFFLUENT QUALITY & VOLUME MONITORING	5.00 2000 page 1.00 1.00 1.00 points			S 2									
			No. of times measured during the month for licence reporting	Monthly Summary									
	Unit of	Constitut			Mean	Median			3DGM	3DGM	100%ile	100%ile	Within
Pollutant	Measurement	Sampling Frequency		Minimum	Value	Value	Maximum	Actual	Limit	Actual	Limit	Actual	Limits
Biochemical Oxygen Demand	milligrams per litre	Monthly	1		Value	Value	Maximum	<2	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	CFU per 100 mL	Monthly	i			-	-	66	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Monthly	1					87	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	-			-	1240	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	-	-	-	-	2.92	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	-			-	0.3	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Monthly	1	-	-	-	-	13.3	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
pH	milligrams per litre	Monthly	1	-			-	9.7	N/A	N/A	N/A	N/A	N/A
Phosphorus	milligrams per litre	Monthly	1			-	-	4.47	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	-			-	10.4	N/A	N/A	N/A	N/A	N/A

VOLUME	MO	NIT	OR	ING

EPA ID. No. 3 INFLUENT VOLUME MONITORING	Site Description - Inlet to Sewage	Description - Inlet to Sewage Treatment Works - POINT 3											
			No. of times measured during the month for licence reporting	Monthly Summar	у								
					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	1873.857143	-	4357	52468		-	-	-	N/A

DEI III MONITORINO												
EPA Id. No. 4	Site Description - Stormwater Deter	te 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	1.082142857	-	1.4	-		-		N/A
Effluent pond level (m)	Daily	Inspection	30	1.1	1.164285714		1.4					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

VOLUME MONTOCKING	ZOME MONTOCKINO											
Monthly Summary												
No. St. Co. Party	Unit of Sampling		No. of times measured during the				Actual total	Volume	Within			
Monitoring Point	Measurement	Frequency	month	Minimum	Mean	Maximum	Monthly Volume	Limit Mg	Limits			
Point 1 - Wet Weather bypass to River	megalitres per day	Daily (overflow only)	30	10	2743.357143	5,642	76,814	20	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 FOLLOTANT - poliutant discharge during	reporting period												
		Yea	rly										
	(TO BE ASSESSED AT THE END OF THE YEARLY PERIOD)												
ASSESSABLE POLLUTANT	Load Limit (kg) Per Year	Sampling	No. of times meas	sured during the	Minimum	Mean	Maximum	Flow	Within				
ASSESSABLE FOLLOTANT		Frequency	mor	nth	William	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				