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

NARRABRI SHIRE
DISCOVER THE POTENTIAL

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 N	MONITORING															
EPA ID. No. 1	Site Description - Effluent Disc	harge Pipeline - to Narrabri Cı	reek -POINT 1													
DISCHARGE TO WATERS EFFLUENT QUALITY & VOLUME MONITORING																
			No. of times measured				Monthly Sum	mary								
	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	6.0	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	6.0	N/A	N/A	10.0	N/A	N/A	N/A	YES
рН	pН	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	8.3	N/A	N/A	6.5-8.5	N/A	N/A	N/A	YES
Total Suspended Solids	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	20.0	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	3200.0	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	9.6	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	5.4	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	20.3	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	4.3	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	10.7	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	tirrigation federation far	m - 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	-	-	-	-	6	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	CFU per 100 mL	Monthly	1	-	-	-	-	3200	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Monthly	1	-	-	-	-	20	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	-	-	-	-	1200	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	-	-	-	-	9.6	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	-	-	-	-	5.41	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Monthly	1	-	-	-	-	20.3	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Monthly	1	-	-	-	-	6	N/A	N/A	N/A	N/A	N/A
рН	milligrams per litre	Monthly	1	-	-	-	-	8.3	N/A	N/A	N/A	N/A	N/A
Phosphorus	milligrams per litre	Monthly	1	-	-	-	-	4.26	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	•	-	-	-	10.7	N/A	N/A	N/A	N/A	N/A

VOLUME MONITORING

VOLUME MONI	HORING													
EPA ID.	No. 3	Site Description - Inlet to Sewage	Treatment Works - POINT 3											
INFLUENT VOLUME	E MONITORING													
				No. of times measured during the month for licence reporting										
						Mean	Median	Maximum	Actual	3DGM	3DGM	100%ile	Volume	Within
Unit of meas	surement	Sampling frequency	Method		Minimum	Value	Value	Value	Value	Limit	Actual	Limit	limit	Limits
Kilolitres per day		Continuous	In line instrument	31	1560	2023.677419	-	5128	62734	-	-	-	-	N/A

DEPTH MONITORING

EPA Id. No. 4 DEPTH MONITORING (LEVEL OF EFFLUENT IN STORMWATER BALANCING POND)	Site Description - Stormwater D	etention Basin -POINT 4										
			No. of times measured	Monthly Summary								
Location / units	Sampling Frequency	Method		Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Storm pond level (m)	Daily	Inspection	31	1.1	1.174193548	Value	1.2	-	-	-	- Aotuui	N/A
Effluent pond level (m)	Daily	Inspection	31	1.3	1.403225806	-	1.5	-	-	-	-	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

			Monthly Summary						
Monitoring Point	Unit of	Sampling		Minimum	Mean	Maximum	Actual total Monthly Volume	Volume Limit Mg daily	Within Limits
	Measurement	Frequency	No. of times measured during the month				Wonting Volume	Limit wig daily	
Point 1 - Wet Weather bypass to Narrabri Creek	megalitres per day	Daily (overflow only)	31	0.992	1.512	2	51	20	YES
Point 2 - Effluent Irrigation to Federation Farm	kL per dav	Daily	31	0	626.8387097	4,029	19,432	N/A	N/A

ASSESSABLE POLLUTANT - pollutant discharge during reporting period

SSESSABLE FOLLOTANT - polititant discharge during reporting period												
	Yearly											
(TO BE ASSESSED AT THE END OF THE YEARLY PERIOD)												
ASSESSABLE POLLUTANT	Load Limit (kg) Per Year	Sampling				Mean	Maximum	Flow	Within			
	. 2	Frequency	No. of times measured during the mo	onth	Minimum	Weari	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			