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

DISCHARGE TO WATERS EFFLUENT QUALITY & VOLUME	Site Description - Emident Discha	inge i ipelilie - to Harrabii ore	ok 4 Olivi i													
MONITORING	No. of times Monthly Summary															
			measured during				IVIC									
Pollutant	Unit of Measurement	Sampling Frequency	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	3.0	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
pH	pH	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	8.9	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	13.0	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	560.0	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	4.7	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	0.9	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	4.0	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	3.7	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	3.7	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	4.0	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 efflue	nt irrigation federation	farm - POINT 2									
DISCHARGE TO UTILISATION AREA EFFLUENT QUALITY & VOLUME MONITORING	Sile 2000 passi milet (8) penne												
			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 Limits
Biochemical Oxygen Demand	milligrams per litre	Monthly	1	-			-	3	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	CFU per 100 mL	Monthly	1				-	560	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Monthly	1	-	-	-	-	13	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	-	-		-	1170	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	-	-		-	4.69	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	-	-	-	-	0.9	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Monthly	1	-	-		-	8.7	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	-	-		-	8.9	N/A	N/A	N/A	N/A	N/A
Phosphorus	milligrams per litre	Monthly	1	-	-		-	3.69	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	-	-		-	4	N/A	N/A	N/A	N/A	N/A

EPA ID. No. 3 INFLUENT VOLUME MONITORING	Site Description - Inlet to Sewage	reatment 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	1548	1814.766667		2244	54443					N/A

DEPTH MONITORING

EPA Id. No. 4	Site Description - Stormwater Dete	ention Basin -POINT 4										
DEPTH MONITORING (LEVEL OF EFFLUEN' IN STORMWATER BALANCING POND)												
			No. of times	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	1.2	1.287		1.4	- 1	-			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, Median 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 Measurement	Sampling Frequency	No. of times measured during the month	Minimum	Mean	Maximum	Actual total Monthly Volume	Volume Limit Mg	Within Limits			
Point 1 - Wet Weather bypass to River	megalitres per day	Daily (overflow only)	30	0	43.4	215	1,302		YES			
Point 2 - Effluent Irrigation to Federation Farm	kL per day	Daily	30	0	1980.9	3,463	59,427	N/A	N/A			

ASSESSABLE 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			Minimum	Mean	Maximum	Flow	Within				
		Frequency	No. of times measured du	million	mean	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				