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



Environment Protection Licence No. 200

Anniversary date: 01 August Version date: 13-Sep 2013

PO BOX 261

Narrabri Shire Council Narrabri NSW 2390

>219-1000ML Discharge (Small Plant)

EFFLUENT QUALITY	2219-1000INL DISCHARGE (SITIALI F	iditi)														
EPA ID. No. 1 DISCHARGE TO WATERS EFFLUENT QUALITY & VOLUME MONITORING	Site Description - Effluent Disc	harge Pipeline - to Narrabri Cr	reek -POINT 1 -NOT IN USE**													
			No. of times measured				Мо	nthly Summary								
Pollutant	Unit of Measurement	Sampling Frequency	during 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	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	рН	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

EFFLUENI QUALITY													
EPA ID. No. 2 DISCHARGE TO UTILISATION AREA EFFLUENT QUALITY & VOLUME MONITORING	Site Description - Inlet to Pipeline	- to transfer effluent to efflu	uent irrigation federation farm	- POINT 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 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 1	-	-	-	-	410	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Monthly	1	-	-	-	-	14	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
Chloride	milligrams per litre	Quarterly	1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Conductivity	Micro siemens per centimetre	Monthly	1	-	-	-	-	1230	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
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Monthly	1	-	-	-	-	9.93	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	-	-	-	-	0.27	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Monthly	1	-	-	-	-	13.6	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	-	-	-	-	<5	N/A	N/A	N/A	N/A	N/A
Phosphorus	milligrams per litre	Monthly	1	-	-	-	-	4.1	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
Sodium Adsorption Ratio	Sodium adsorption ratio	Quarterly	1	-	-	-	-	-	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
Total Kjeldahl as Nitrogen	milligrams per litre	Monthly	1	-	-	-	-	3.7	N/A	N/A	N/A	N/A	N/A

INFLUENT VOLUME MONITORING

EPA ID. No. 3	Site Description - Inlet to Sewage	e Treatment Works - POINT 3											
INFLUENT VOLUME MONITORING		e freatment works - i Oner C											
			No. of times measured during the month for licence reporting	Monthly Summary									
					Mean	Median	Maximum		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	654	1670.709677	-	2575	51792	-	-	-	-	N/A

DEPTH MONITORING

EPA Id. No. 4 DEPTH MONITORING (LEVEL OF EFFLUENT IN STORMWATER BALANCING POND)	Site Description - Stormwater Dete	ntion Basin -POINT 4										
			No. of times measured	Monthly Summary								
	Sampling Frequency	Method	<u> </u>		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	1.2	1.306451613	-	1.4	-	-	-	-	N/A
Effluent pond level (m)	Daily	Inspection	31	1.2	1.312903226	-	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

			Monthly Summary						
	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)	-	-	-	-	-	20	N/A
Point 2 - Effluent Irrigation to Federation Farm	kl ner dav	Daily	31	0	1806 035/8/	5.056	51 530	NI/A	N/A

ASSESSABLE POLLUTANT - pollutant discharge during reporting period

			Yearly						
		(TC	BE ASSESSED AT THE END OF THE YEARLY P	ERIOD)					
	Load Limit (kg) Per Year	Sampling						Flow	Within
ASSESSABLE POLLUTANT				Minimum	Mean	Maximum	Limit	Limits	
		Frequency	No. of times measured during the m				Lillit	Lillits	
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