NARRABRI SEWAGE TREATMENT PLANT - MONTHLY POLLUTION MONITORING SUMMARY -OCT 2020



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)

	219-1000ML Discharge (Silian I	iant)														
EFFLUENT QUALITY																
EPA ID. No. 1 S DISCHARGE TO WATERS EFFLUENT QUALITY & VOLUME MONITORING	ite Description - Effluent Disc	harge Pipeline - to Narrabri Cr	eek -POINT 1 -NOT IN USE*	*												
			No. of times measured				Monthly	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
pН	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
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EFFLUENT QUALITY

EFFLUENI QUALITY													
EPA ID. No. 2	Site Description - Inlet to Pipeline	- to transfer effluent to efflu	ent irrigation farm - POINT	2									
DISCHARGE TO UTILISATION AREA													
EFFLUENT QUALITY & VOLUME MONITORING													
			No. of times measured during the month for licence reporting **	Monthly Summary									
	Unit of	Sampling			Mean	Median			3DGM	3DGM	100%ile	100%ile	Within
Pollutant	Measurement	Frequency		Minimum	Value	Value	Maximum	Actual	Limit	Actual	Limit	Actual	Limits
Biochemical Oxygen Demand	milligrams per litre	Monthly	1	-	-	-	-	15	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	CFU per 100 mL	Monthly	1	-	-	-	-	5000	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Monthly	1	-	-	-	-	31	N/A	N/A	N/A	N/A	N/A
Calcium	milligrams per litre	Quarterly	-	-	-	-	-	•	N/A	N/A	N/A	N/A	N/A
Chloride	milligrams per litre	Quarterly	-	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Conductivity	Micro siemens per centimetre	Monthly	1	-	-	-	-	1100	N/A	N/A	N/A	N/A	N/A
Magnesium	milligrams per litre	Quarterly	-	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Monthly	1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	-	-	-	-	5.6	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Monthly	1	-	-	-	-	5.06	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Monthly	1	-	-	-	-	13.1	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		-	-	-	8.8	N/A	N/A	N/A	N/A	N/A
Sodium	milligrams per litre	Quarterly	-	-	-	-	-	5.42	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	-		-	-	-	-	N/A	N/A	N/A	N/A	N/A
Total Kjeldahl	milligrams per litre	Monthly	1	-	-	-	-	7.5	N/A	N/A	N/A	N/A	N/A

INELLIENT VOLUME MONITORING

INFLUENT VOLUME MONI													
EPA Id. No. 3	Site Description - Inlet to Sewag	e Treatment Works - POINT 3											
INFLUENT VOLUME MONITORING													
			No. of times measured during the month for licence reporting	Monthly Summary									
					Mean	Median	Maximum	Actual	3DGM	3DGM	100%ile	100%ile	Within
Unit of measurement	Sampling frequency	Method		Minimum	Value	Value	Value	Value (monthly)-kL	Limit	Actual	Limit	Actual	Limits
Kilolitres per day	Continuous	In line instrument	31	727	1410	-	2514	43716	-	-	-	-	N/A

DEPTH MONITORING

EPA Id. No. 4 DEPTH MONITORING (LEVEL OF EFFLUENT IN STORMWATER BALANCING POND)	Site Description - Stormwater De	tention Basin -POINT 4										
			No. of times measured	Monthly Summary								
	Sampling Frequency	Method			Mean	Median	T	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	1.1	-	1.4	-	-	-	-	-
Effluent pond level (m)	Daily	Inspection	31	0.9	1.148387097	-	1.4	-	-	-	-	-

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 Measurement	Sampling Frequency	No. of times measured during the month	Minimum	Mean	Maximum	Actual total Volume (MONTHLY) -KL	Volume Limit	Within Limits
Point 1 - Wet Weather bypass to River (NOT IN USE)	megalitres per day	Daily (overflow only)		-	-	-	Volumo (monthier) Re	20	N/A
Point 2 - Effluent Irrigation to Federation Farm	kL per day	Daily	31	0	1424.935484	2,925	44,173	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 Frequency	No. of times measured during the i	nonth	Minimum	Mean	Maximum	Flow Limit	Within 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			