# NARRABRI SEWAGE TREATMENT PLANT - MONTHLY POLLUTION MONITORING SUMMARY -JAN 2021



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)

EPA ID. No. 1  DISCHARGE TO WATERS  EFFLUENT QUALITY & VOLUME  MONITORING	Site Description - Effluent Disch	arge Pipeline - to Narrabri Cre	eek -POINT 1 - NOT IN USE**													
MONITONING			No. of times measured				M	Ionthly Summary								
	Unit of	Sampling	during the month for		Mean	Median		3DGM	3DGM	50%ile	50%ile	90%ile	90%ile	100%ile	100%ile	With
Pollutant	Measurement	Frequency	licence reporting	Minimum	Value	Value	Maximum	Limit	Actual	Limit	Actual	Limit	Actual	Limit	Actual	Lim
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/
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/
оН	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/
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/
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

EFFLUENT QUALITY	-												
EPA ID. No. 2	Site Description - Inlet to Pipeline	- to transfer effluent to eff	luent irrigation farm - 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 Limits
Biochemical Oxygen Demand	milligrams per litre	Monthly	1	-	-	-	-	5	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	CFU per 100 mL	Monthly	1	-	-	-	-	350	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Monthly	1	-	-	-	-	35	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	-	-	-	-	1160	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	-	-	-	-	2.6	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	-	-	-	-	0.37	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Monthly	1	-	-	-	-	7.8	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	-	-	-	-	9.2	N/A	N/A	N/A	N/A	N/A
Phosphorus	milligrams per litre	Monthly	1	-	-	-	-	4.39	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	milligrams per litre	Monthly	1 1	-	-	-	-	5.2	N/A	N/A	N/A	N/A	N/A

INFLUENT VOLUME MONIT	<b>FORING</b>												
	Site Description - Inlet to Sewag	e Treatment Works - POINT 3											
INFLUENT VOLUME MONITORING													
			No. of times measured during the month for licence reporting										
					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	1056	2297.206897	-	9580	66619	-	-	-	-	N/A

# DEPTH MONITORING

EPA Id. No. 4  DEPTH MONITORING (LEVEL OF EFFLUENT IN STORMWATER	Site Description - Stormwater Do	etention Basin -POINT 4										
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	31	1.2	1.317741935	-	1.4	-	-	-	-	-
Effluent pond level (m)	Daily	Inspection	31	1	1149.262319	-	1.5	-	-	-	-	-

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	megalitres per day	Daily (overflow only)	-	-	-	-	-	20	-
Point 2 - Effluent Irrigation to Federation Farm	kL per day	Daily	31	0	842.5	2,993	23,590	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	
ACCECCABLE I CELCTAITI		Frequency No. of times measured during the month		nonth	William	Wearr	MIGAIIIIUIII	Limit	-	Limits	
BOD (Enclosed water)	14540	N/A	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	N/A	
Oil and Grease (enclosed water)	7270	N/A	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	N/A	
Total suspended solids (enclosed water)	37620	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	