## NARRABRI SEWAGE TREATMENT PLANT - MONTHLY POLLUTION MONITORING SUMMARY -DEC 2020



Environment Protection Licence No. 200

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

samples were collected as no discharge occurred during the month

Narrabri Shire Council Licensee PO BOX 261 Narrabri NSW 2390

>219-1000ML Discharge (Small Plant)

EFFLUENT QUALITY	210 1000M2 Bloomarge (email 1	,														
EPA ID. No. 1	Site Description - Effluent Disch	arge Pipeline - to Narrabri Cre	ek -POINT 1 -NOT IN USE**													
DISCHARGE TO WATERS EFFLUENT QUALITY & VOLUME MONITORING																
			No. of times measured				Mont	hly 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
pH	pН	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													
EPA ID. No. 2	Site Description - Inlet to Pipeline -	to transfer effluent to efflue	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	-	-	-	-	5	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	CFU per 100 mL	Monthly	1	-	-	-	-	80	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Monthly	1	-	-	-	-	732	N/A	N/A	N/A	N/A	N/A
Calcium	milligrams per litre	Quarterly	1	-	-	-	-	12	N/A	N/A	N/A	N/A	N/A
Chloride	milligrams per litre	Quarterly	1	-	-	-	-	111	N/A	N/A	N/A	N/A	N/A
Conductivity	Micro siemens per centimetre	Monthly	1	-	-	-	-	1110	N/A	N/A	N/A	N/A	N/A
Magnesium	milligrams per litre	Quarterly	1	-	-	-	-	5	N/A	N/A	N/A	N/A	N/A
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Monthly	1	-	-	-	-	0.74	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	-	-	-	-	1.97	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Monthly	1	-	-	-	-	6,5	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	-	-	-	-	8.2	N/A	N/A	N/A	N/A	N/A
Phosphorus	milligrams per litre	Monthly	1	-	-	-	-	6.73	N/A	N/A	N/A	N/A	N/A
Sodium	milligrams per litre	Quarterly	1	-	-	-	-	228	N/A	N/A	N/A	N/A	N/A
Sodium Adsorption Ratio	Sodium adsorption ratio	Quarterly	1	-	-	-	-	13.9	N/A	N/A	N/A	N/A	N/A
Total dissolved solids	milligrams per litre	Quarterly	1	-	-	-	-	732	N/A	N/A	N/A	N/A	N/A
Total Kjeldahl	milligrams per litre	Monthly	1	-	-	-	-	5.8	N/A	N/A	N/A	N/A	N/A

INFLUENT VOLUME MONITORING

EPA ID. No. 3 INFLUENT VOLUME MONITORING	Site Description - Inlet to Sewage	e Treatment 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 (monthly)-kL	Limit	Actual	Limit	limit	Limits
Kilolitres per day	Continuous	In line instrument	31	1001	1931	-	4618	56002	-	-	-	- 7	N/A

**DEPTH MONITORING** 

EPA ld. No. 4	Site Description - Stormwater Det	tention Basin -POINT 4										
DEPTH MONITORING (LEVEL OF EFFLUENT IN STORMWATER 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	1.306896552	-	1.5	-	-	-	-	-
Effluent pond level (m)	Daily	Inspection	31	1.2	1.368965517	-	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**

VOLUME MONTO									
			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	N/A
Point 2 - Effluent Irrigation to Federation Farm	kL per dav	Daily	31	1	1452.206897	4,949	42,114	N/A	N/A

ASSESSABLE POLLUTANT - pollutant discharge during reporting period

7.002007.DEET OEE017.III poliutuit dicollurgo	<u> </u>		Yearly						
		(TO BI	ASSESSED AT THE END OF THE YEARLY PERIO	D)					
	Load Limit (kg) Per Year	Sampling		<u>-,                                      </u>				Flow	Within
ASSESSABLE POLLUTANT	(3)	Frequency	No. of times measured during the mo	Minimum	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