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



Environment Protection Licence No. 200 Anniversary date: 01 August Version date: 13-Sep 2013

Narrabri Shire Council Licensee PO BOX 261 Narrabri NSW 2390

>219-1000ML Discharge (Small Plant)

EEELLIENT OHALITY	210 TOOME Bloomarge (email 1 ic	arre,														
EFFLUENT QUALITY																
EPA ID. No. 1	Site Description - Effluent Discha	arge Pipeline - to Narrabri Cree	ek -POINT 1 -NOT IN USE**													
DISCHARGE TO WATERS																
EFFLUENT QUALITY & VOLUME MONITORING																
							Mo	onthly Summary								
			No. of times measured					45.011				200/11	0.00/11	4000/11	1000/11	
-	Unit of	Sampling	during the month for		Mean	Median	1	3DGM	3DGM	50%ile	50%ile	90%ile	90%ile	100%ile	100%ile	Within
Pollutant	Measurement	Frequency	licence reporting	Minimum	Value	Value	Maximum	Limit	Actual	Limit	Actual	Limit	Actual	Limit	Actual	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
**No samples were collected as no	discharge occurred during the month	1		•												

EFFLUENT QUALITY													
EPA ID. No. 2	Site Description - Inlet to Pipeline - to	o transfer effluent to efflue	nt irrigation federation 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	Sampling Frequency		Minimum	Value	Value	Maximum	Actual	Limit	Actual	Limit	Actual	Limits
Biochemical Oxygen Demand	milligrams per litre	Monthly	1	William	Value	value	WIGAIIIIGIII	<2	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	CFU per 100 mL	Monthly	1 1		-	_	_	4	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Monthly	1 1		-	_	_	49	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 1	-	-	-	-	1420	N/A	N/A	N/A	N/A	N/A
Magnesium	milligrams per litre	Quarterly	1 1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Monthly	1	-	-	-	-	4.49	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	-	-	-	-	14	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Monthly	1	-	-	-	-	21.8	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Monthly	1	-	-	-	-	7	N/A	N/A	N/A	N/A	N/A
pH	milligrams per litre	Monthly	1	-	-	-	-	7.9	N/A	N/A	N/A	N/A	N/A
Phosphorus	milligrams per litre	Monthly	1	-	-	-	-	4.88	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		-	-	-	17.3	N/A	N/A	N/A	N/A	N/A

INFLUENT VOLUME MONITORING

INFLUENT VOLUME MON	IORING												
EPA ID. No. 3	Site Description - Inlet to Sewage	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	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	611	1258.548387	-	2892	39015	-	-	-	-	N/A

DEPTH MONITORING

EPA ld. No. 4	Site Description - Stormwater Des	tention Basin -POINT 4										
DEPTH MONITORING (LEVEL OF EFFLUENT IN STORMWATER BALANCIN	IC.											
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	1.287096774	-	1.4	-	-	-	-	N/A
Effluent pond level (m)	Daily	Inspection	31	0.9	1.129032258		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						
Monitoring Point	Unit of Sampling			Minimum	Mean	Maximum	Actual total	Volume	Within
	Measurement	Frequency	No. of times measured during the month				Volume (MONTHLY) -KL	Limit	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 per day	Daily	31	0	264.6129032	1,808	8,203	N/A	N/A

ASSESSABLE POLLUTANT (LOAD LIMIT -KG) - pollutant discharge during reporting period

			Yearly						
		(TO	BE ASSESSED AT THE END OF THE YEARLY P	ERIOD)					
ASSESSABLE POLLUTANT	Load Limit (kg) Per Year	Sampling Frequency No. of times measured during the month			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