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



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

Licensee Narrabri Shire Council PO BOX 261 Narrabri NSW 2390

>219-1000ML Discharge (Small Plant)

EFFLUENT QUALITY	
EPA ID. No. 1	Site D

EPA ID. No. 1 DISCHARGE TO WATERS EFFLUENT QUALITY & VOLUME MONITORING	te Description - Effluent Disch	arge Pipeline - to Narrabri Cre	ek -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
pH	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

EFFLUENT QUALITY													
EPA ID. No. 2	Site Description - Inlet to Pipeline -	- to transfer effluent to efflue	nt irrigation federation fa <u>rm - PO</u> I	NT 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	William	Value	Value -	Waxiiiuiii	Actual 3	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	CFU per 100 mL	Monthly	1 1	<u>-</u>	-	-		180	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Monthly	1 1		-	-	-	8	N/A	N/A	N/A	N/A	N/A
Calcium	milligrams per litre	Quarterly	1		_	_	_	8	N/A	N/A	N/A	N/A	N/A
Chloride	milligrams per litre	Quarterly	1	-	-	-	-	96	N/A	N/A	N/A	N/A	N/A
Conductivity	Micro siemens per centimetre	Monthly	1	-	-	-	-	1340	N/A	N/A	N/A	N/A	N/A
Magnesium	milligrams per litre	Quarterly	1	-	-	-	-	3	N/A	N/A	N/A	N/A	N/A
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Monthly	1	-	-	-	-	8.84	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	-	-	-	-	3.2	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Monthly	1	-	-	-	-	15.6	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
pH	milligrams per litre	Monthly	1	-	-	-	-	8.2	N/A	N/A	N/A	N/A	N/A
Phosphorus	milligrams per litre	Monthly	1	-	-	-	-	4.47	N/A	N/A	N/A	N/A	N/A
Sodium	milligrams per litre	Quarterly	1	-	-	-	-	240	N/A	N/A	N/A	N/A	N/A
Sodium Adsorption Ratio	Sodium adsorption ratio	Quarterly	1	-	-	-	-	18.4	N/A	N/A	N/A	N/A	N/A
Total dissolved solids	milligrams per litre	Quarterly	1	-	-	-	-	849	N/A	N/A	N/A	N/A	N/A
Total Kjeldahl as Nitrogen	milligrams per litre	Monthly	1	-	-	-	-	6.8	N/A	N/A	N/A	N/A	N/A

INELLIENT VOLUME MONITORING

INFLUENT VOLUME MONIT	ORING											
EPA ID. No. 3 INFLUENT VOLUME MONITORING	Site Description - Inlet to Sewage	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 alue (monthly)-k	Limit	Actual	Limit	limit	Limits
Kilolitres per day	Continuous	In line instrument	30	574	2097.25	-	3064 58723	-	-	-	-	N/A

DEPTH MONITORING

Site Description - Stormwater Det	ention Basin -POINT 4										
G											
		No. of times measured	Monthly Summary								
Sampling Frequency	Method			Mean	Median		3DGM	3DGM	100%ile	100%ile	Within
			Minimum	Value	Value	Maximum	Limit	Actual	Limit	Actual	Limits
Daily	Inspection	30	1.2	1.362068966	-	1.5	-		-	-	N/A
Daily	Inspection	30	1.2	1.337931034	-	1.4	-	-	-	-	N/A
	Sampling Frequency Daily	Sampling Frequency Method Daily Inspection	Sampling Frequency Method Daily Inspection 30	Sampling Frequency Method Daily No. of times measured Monthly Summary Minimum 1.2	Sampling Frequency	Sampling Frequency Method Minimum Main Value Value Daily Inspection 30 1.2 1.362068966 -	No. of times measured Monthly Summary Sampling Frequency Method Minimum Median Value Maximum	No. of times measured Monthly Summary Mean Median Monthly Summary Monthly Summary Mean Median Me	Sampling Frequency	Sampling Frequency	No. of times measured Monthly Summary Method Monthly Summary Method Minimum Median Maximum Limit Actual Limit Limit Actual Limit Actual Limit Actual Limit Actual Limit Actual Limit Actual Limit Limit Actual Limit Limit Actual Limit Limit

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 MONTONING									
			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 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 per dav	Daily	30	4	2367.964286	3.758	66.303	N/A	N/A

ASSESSABLE POLLUTANT - pollutant discharge during reporting period

			Yearly						
		(TO BE	ASSESSED AT THE END OF THE YEARLY PERIOR	D)					
ASSESSABLE POLLUTANT	Load Limit (kg) Per Year	Sampling		<u> </u>			Maximum	Flow	Within
ACCESSABLE I CELSTAIT		Frequency	Frequency No. of times measured during the month			Mean	maximam	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