NARRABRI SEWAGE TREATMENT PLANT - MONTHLY POLLUTION MONITORING SUMMARY -April 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	ite Description - Effluent Disch	,	ek -POINT 1 -NOT IN USE**													
DISCHARGE TO WATERS EFFLUENT QUALITY & VOLUME MONITORING					_											
			No. of times measured				Мо	nthly 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
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

EFFLUENT QUALITY													
EPA ID. No. 2 DISCHARGE TO UTILISATION AREA EFFLUENT QUALITY & VOLUME MONITORING	Site Description - Inlet to Pipeline - t	to transfer effluent to effl	uent irrigation federation farm - F	POINT 2									
			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	-	-	-	-	25	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	CFU per 100 mL	Monthly	1		-	-	-	440	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Monthly	1		-	-	-	16	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		-	-	-	1070	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	-	-	-	-	5.51	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	-	-	-	-	0.25	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Monthly	1	-	-	-	-	9	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	-	-	-	-	8.5	N/A	N/A	N/A	N/A	N/A
Phosphorus	milligrams per litre	Monthly	1	-	-	-	-	4.3	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	-	-	-	-	3.5	N/A	N/A	N/A	N/A	N/A

INELLIENT VOLUME MONITORING

INFLUENT VOLUME MONIT	TORING												
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										
					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	1085	1534.433333	-	2032	46033	-	-	-	-	N/A

DEPTH MONITORING

EPA ld. No. 4	Site Description - Stormwate	r Detention Basin -POINT 4										
DEPTH MONITORING (LEV												
EFFLUENT IN STORMWATER B	ALANCING											
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	30	1.2	1.286666667		1.4	-	-	-	-	N/A
Effluent pond level (m)	Daily	Inspection	30	1.2	1.34	-	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 Measurement	Sampling Frequency	No. of times measured during the month	Minimum	Mean	Maximum	Actual total Volume (MONTHLY) -KL	Volume Limit L/s	Within 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	30	0	1717.666667	5,056	51,530	N/A	N/A

ASSESSABLE POLLUTANT - pollutant discharge during reporting period

			Yearly						
		(TO	BE ASSESSED AT THE END OF THE YEARLY PE	RIOD)					
ASSESSABLE POLLUTANT	Load Limit (kg) Per Year	Sampling	Sampling			Mean	Maximum	Flow	Within
		Frequency	No. of times measured during the me	Minimum	Modif	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