

NARRABRI SEWAGE TREATMENT PLANT - MONTHLY POLLUTION MONITORING SUMMARY -JULY 2022

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 F	Plant)	_													
QUALIT	Y/PERFORMANCE MONIT	ORING														
EPA ID. No. 1 DISCHARGE TO WATERS EFFLUENT QUALITY & VOLUME MONITORING	Site Description	- Effluent Dischai	rge Pipeline - t	o Narrabri Creek -POINT 1												
			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	YES
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	YES
pH	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	YES
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	YES
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 kieldahl 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

EPA ID. No. 2 DISCHARGE TO UTILISATION AREA EFFLUENT QUALITY & VOLUME MONITORING	Site Description -		- to transfer ef n farm - POINT	fluent to effluent irrigation 2	on									
				Monthly Summary										
	Unit of	Sampling	No. of times measured during the month for		Mean	Median			3DGM	3DGM	100%ile	100%ile	Within	
Pollutant Biochemical Oxygen Demand	Measurement milligrams per litre	Frequency Monthly	licence reporting	Minimum	Value	Value	Maximum	Actual 2	Limit N/A	Actual N/A	Limit N/A	Actual N/A	Limits N/A	
Faecal Coliforms	CFU per 100 mL	Monthly	1 1		-	-	-	2	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
Total Suspended Solids	milligrams per litre	Monthly	+ ;	·		-		5	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	N/A	N/A	
Chloride	milligrams per litre	Quarterly	1					N/A	N/A	N/A	N/A	N/A	N/A	
Conductivity	Micro siemens per centimetre	Monthly	1 1			 	-	1250	N/A	N/A	N/A	N/A	N/A	
Magnesium	milligrams per litre	Quarterly	i		-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Monthly	1		-	-	-	10.4	N/A	N/A	N/A	N/A	N/A	
Nitrogen (ammonia)	milligrams per litre	Monthly	1		-	-	-	6.67	N/A	N/A	N/A	N/A	N/A	
Nitrogen (total)	milligrams per litre	Monthly	1		-	-	-	20.2	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	-	-	-	-	8.1	N/A	N/A	N/A	N/A	N/A	
Phosphorus	milligrams per litre	Monthly	1	-	-	-	-	4.32	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	N/A	
Sodium Adsorption Ratio	Sodium adsorption ratio	Quarterly	1		-	-	-	N/A	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	N/A	
Total Kjeldahl as Nitrogen	milligrams per litre	Monthly	1		-	-	-	9.8	N/A	N/A	N/A	N/A	N/A	

VOLUME MONITORING

VOLUME MONITORING													
EPA ID. No. 3 INFLUENT VOLUME MONITORING	Site Descri	ption - Inlet to Se	wage Treatme	ent Works - POINT 3									
			No. of times measured during the month for licence reporting			Мо	nthly Sur	nmary					
Unit of measurement	Sampling frequency	Method		Minimum	Mean Value	Median Value	Maximum Value	Total Value	3DGM Limit	3DGM Actual	100%ile Limit	Volume limit	Within Limits
Kilolitres per day	Continuous	In line instrument	31	1368	1763.290323		2262	54662	-	-	-	-	N/A

DEPTH MONITORING

EPA Id. No. 4 DEPTH MONITORING (LEVEL OF EFFLUENT IN STORMWATER	Sita Das	crintian - Starmy	vater Detentio	n Basin -POINT 4								
BALANCING POND)	Site Des											
			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	1.1	1.1	-	1.1	-	-	-	-	N/A
Effluent pond level (m)	Daily	Inspection	31	1.1	1.190322581	-	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									
		N	Monthly Summary						
Monitoring Point	Unit of	Sampling		Minimum	Mean	Maximum	Actual total Monthly Volume	Volume Limit Mg daily	Within Limits
	Measurement	Frequency	No. of times measured during the month				(KL)	•	
Point 1 - Wet Weather bypass to Narrabri Creek	megalitres per day	Daily (overflow only)	31	0	5.677419355	34	176		YES
Point 2 - Effluent Irrigation to Federation Farm	kl. per day	Daily	31	1	1890.290323	3916	58599	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					Maximum	Flow	Within		
		Frequency	No. of times measured during the mo	onth	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		