

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



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)

QUALITY/PERFORMANCE MONITORING																		
EPA ID. No. 1 DISCHARGE TO WATERS EFFLUENT QUALITY & VOLUME MONITORING																		
Site Description - Effluent Discharge Pipeline - to Narrabri Creek -POINT 1																		
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Monthly Summary														
				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	6.0	N/A	N/A	20.0	N/A	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	5.0	N/A	N/A	10.0	N/A	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	8.1	N/A	N/A	6.5-8.5	N/A	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	7.0	N/A	N/A	45.0	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	42.0	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	11.1	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	5.6	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	20.6	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	4.0	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	613.0	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	9.5	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 - Inlet to Pipeline - to transfer effluent to effluent irrigation federation farm - POINT 2														
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Monthly Summary										
				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	-	-	-	-	-	6	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	CFU per 100 mL	Monthly	1	-	-	-	-	-	42	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Monthly	1	-	-	-	-	-	7	N/A	N/A	N/A	N/A	N/A
Calcium	milligrams per litre	Quarterly	1	-	-	-	-	-	10	N/A	N/A	N/A	N/A	N/A
Chloride	milligrams per litre	Quarterly	1	-	-	-	-	-	83	N/A	N/A	N/A	N/A	N/A
Conductivity	Micro siemens per centimetre	Monthly	1	-	-	-	-	-	1080	N/A	N/A	N/A	N/A	N/A
Magnesium	milligrams per litre	Quarterly	1	-	-	-	-	-	4	N/A	N/A	N/A	N/A	N/A
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Monthly	1	-	-	-	-	-	11.1	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	-	-	-	-	-	5.64	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Monthly	1	-	-	-	-	-	20.6	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	-	-	-	-	-	8.08	N/A	N/A	N/A	N/A	N/A
Phosphorus	milligrams per litre	Monthly	1	-	-	-	-	-	4.02	N/A	N/A	N/A	N/A	N/A
Sodium	milligrams per litre	Quarterly	1	-	-	-	-	-	204	N/A	N/A	N/A	N/A	N/A
Sodium Adsorption Ratio	Sodium adsorption ratio	Quarterly	1	-	-	-	-	-	13.8	N/A	N/A	N/A	N/A	N/A
Total dissolved solids	milligrams per litre	Quarterly	1	-	-	-	-	-	613	N/A	N/A	N/A	N/A	N/A
Total Kjeldahl as Nitrogen	milligrams per litre	Monthly	1	-	-	-	-	-	9.5	N/A	N/A	N/A	N/A	N/A

VOLUME MONITORING

EPA ID. No. 3 INFLUENT VOLUME MONITORING														
Site Description - Inlet to Sewage Treatment Works - POINT 3														
Unit of measurement	Sampling frequency	Method	No. of times measured during the month for licence reporting	Monthly Summary										
				Minimum	Mean Value	Median Value	Maximum	Total Value	3DGM Limit	3DGM Actual	100%ile Limit	Volume limit	Within Limits	
Kilolitres per day	Continuous	In line instrument	31	1464	2792.666667	-	5085	83780	-	-	-	-	-	N/A

DEPTH MONITORING

EPA Id. No. 4 DEPTH MONITORING (LEVEL OF EFFLUENT IN STORMWATER BALANCING POND)													
Site Description - Stormwater Detention Basin -POINT 4													
Location / units	Sampling Frequency	Method	No. of times measured	Monthly Summary									
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits	

