



Environment Protection Licence No. 200
Anniversary date: 01 August
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NARRABRI SEWAGE TREATMENT PLANT - MONTHLY POLLUTION MONITORING SUMMARY - FEBRUARY 2023

Licencee
Narrabri Shire Council
PO BOX 261
Narrabri NSW 2390

>219-1000ML Discharge (Small Plant)
QUALITY/PERFORMANCE MONITORING

EPA ID. No. 1 DISCHARGE TO WATER EFFLUENT QUALITY & VOLUME MONITORING		Site Description - Effluent Discharge Pipeline - to Narrabri Creek -POINT 1				Monthly Summary											
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Minimum	Mean Value	Median Value	Maximum	30DM Limit	30DM Actual	95%ile Limit	95%ile Actual	95%ile Limit	95%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	19	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	5	N/A	N/A	N/A	15.0	N/A	N/A	N/A	YES
pH	pH	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	8.2	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	93	45.0	N/A	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	120	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrate Nitrogen (oxidised nitrogen)	milligrams per litre	Each overflow event	N/A	N/A	N/A	N/A	N/A	N/A	3.2	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	0.29	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	21.8	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	4.68	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	18.6	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	18.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

EPA ID. No. 2 DISCHARGE TO LAND/REUSE AREA EFFLUENT QUALITY & VOLUME MONITORING		Site Description - Inlet to Pipeline - to transfer effluent to effluent irrigation federation farm - POINT 2				Monthly Summary										
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Minimum	Mean Value	Median Value	Maximum	Actual	30DM Limit	30DM Actual	100%ile Limit	100%ile Actual	Within Limits			
Biochemical Oxygen Demand	milligrams per litre	Monthly	1	-	-	-	-	19	N/A	N/A	N/A	N/A	N/A			
Faecal Coliforms	CFU per 100 ml	Monthly	1	-	-	-	-	1200	N/A	N/A	N/A	N/A	N/A			
Total Suspended Solids	milligrams per litre	Monthly	1	-	-	-	-	93	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	Monthly	1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A			
Conductivity	Micro Siemens per centimetre	Monthly	1	-	-	-	-	17.0	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	-	-	-	-	3.2	N/A	N/A	N/A	N/A	N/A			
Nitrogen (ammonia)	milligrams per litre	Monthly	1	-	-	-	-	0.29	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	-	-	-	-	5	N/A	N/A	N/A	N/A	N/A			
Phosphorus	milligrams per litre	Monthly	1	-	-	-	-	4.68	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	-	-	-	-	18.6	N/A	N/A	N/A	N/A	N/A			

VOLUME MONITORING		Site Description - Inlet to Sewage Treatment Works - POINT 3				Monthly Summary										
Unit of measurement	Sampling Frequency	Method	No. of times measured during the month for licence reporting	Minimum	Mean Value	Median Value	Maximum	Total Volume	30DM Limit	30DM Actual	100%ile Limit	Volume Limit	Within Limits			
Coolants per day	Continuous	In line instrument	31	100	2329.76/2714	100	6380	6324	-	-	-	-	-			

DEPTH MONITORING		Site Description - Stormwater Detention Basin -POINT 4				Monthly Summary										
Location / units	Sampling Frequency	Method	No. of times measured during the month for licence reporting	Minimum	Mean Value	Median Value	Maximum	30DM Limit	30DM Actual	100%ile Limit	100%ile Actual	Within Limits				
Storm Sewer Inlet	Daily	Inspection	31	0.6	1.107/257143	0.6	1.4	-	-	-	-	N/A				
Storm Sewer Outlet (to)	Daily	Inspection	31	0.6	1.107/257143	0.6	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 Monthly Volume (ML)	Volume Limit Mg daily	Within Limits			
Point 1 - Wet Weather Bypass to Narrabri Creek	regulatives per day	Daily (overflow only)	31	1091	2286.25	4473	64009	N/A	YES			
Point 2 - Effluent irrigation to Federation Farm	ML per day	Daily	31	189	1451.78/714	3021	46050	N/A	N/A			

ASSESSABLE POLLUTANT	Load Index (kg) Per Year	Sampling Frequency	Yearly (TO BE ASSESSED AT THE END OF THE YEARLY PERIOD)				Flow Limit	Within Limits
			No. of times measured during the month	Minimum	Mean	Maximum		
30DM (redosed water)	131	N/A	N/A	N/A	N/A	N/A	N/A	
30DM (total redosed water)	26580	N/A	N/A	N/A	N/A	N/A	N/A	
Oil and Grease (redosed water)	7270	N/A	N/A	N/A	N/A	N/A	N/A	
Phosphorus (total redosed water)	7209	N/A	N/A	N/A	N/A	N/A	N/A	
Total suspended solids (redosed water)	37430	N/A	N/A	N/A	N/A	N/A	N/A	