

FORBES SEWAGE TREATMENT WORKS - EPA LICENCE TESTING RESULTS

Licensee: Forbes Shire Council Licence No. 4809

Address: 2 Court Street Forbes NSW 2871

Monitoring Point 5 - Discharge from Sewer Plant

Site Address: Forbes STP Newell Hwy Forbes NSW 2871

Pollutant concentrations of water being discharged from Sewer Treatment Plant

DP752962

Date Sampled		11/Oct/21	8/Nov/21	6/Dec/21	17/Jan/22	Feb/22	Mar/22	Apr/22	May/22	Jun/22	Jul/22	Aug/22	Sep/22											
Effective Month		Oct/21	Nov/21	Dec/21	Jan/22																			
Parameter	Licence L	PQL	limits	90 percentile limit	Measured Values													Min	Average	Max				
pH	6.8 - 8.5	6.8 - 8.5			7.40	7.30	7.40	7.57													4	7.30	7.42	7.57
Total Nitro	15	10			4.00	3.30	4.50	5.00													4	3.30	4.20	5.00
Total Phos	0.5				0.12	0.20	0.13	0.05													4	0.05	0.13	0.20
Facael Col	600	200				1.00	1.00	1.00													3	1.00	1.00	1.00
BOD5	15	10			4.00	2.00	2.00	2.00													4	2.00	2.50	4.00
Non Filtera	20	15			11.00	16.00	6.00	4.00													4	4.00	9.25	16.00
Ammonia-	5	2			0.39	0.64	1.30	1.90													4	0.39	1.06	1.90
Oil and Gr	15	10			2.00	2.00	2.00	2.00													4	2.00	2.00	2.00
Chlorophyll-a ug/L					2.00	2.00	2.00	2.00													4	2.00	2.00	2.00

Indicates result was < the number given

Monitoring Point 7 - Gum Swamp Water Quality near Birdhide

Pollutant concentrations of water in Gum Swamp

Date Sampled		11/Oct/21	8/Nov/21	6/Dec/21	17/Jan/22	Feb/22	Mar/22	Apr/22	May/22	Jun/22	Jul/22	Aug/22	Sep/22											
Effective Month		Oct/21	Nov/21	Dec/21	Jan/22																			
Parameters Monitored													Min	Average	Max									
pH					7.70	8.50	7.90	8.21													4	7.70	8.08	8.50
Total Nitrogen mg/l					6.00	3.10	3.90	2.30													4	2.30	3.83	6.00
Total P mg/l					0.39	0.43	0.38	0.24													4	0.24	0.36	0.43
Facael Coliforms CFU/100mL						12,997.00	187	548.00													3	187.00	4577.33	12997.00
BOD5					4.00	10.00	13.00	6.00													4	4.00	8.25	13.00
Non Filterable Residue mg/l					14.00	58.00	42.00	28.00													4	14.00	35.50	58.00
Ammonia mg/l					3.90	0.01	0.56	0.01													4	0.01	1.12	3.90
Oil and Grease mg/l					2.00	2.00	2.00	2.00													4	2.00	2.00	2.00

Indicates result was < the number given

Indicates result was > the number given

Monitoring Point 9 - Lachlan River Downstream of sewer outfall location

Pollutant contrations of Lachlan River Water Downstream of Sewer Outfall

Date Sampled	11/Oct/21	8/Nov/21	6/Dec/21	17/Jan/22	Feb/22	Mar/22	Apr/22	May/22	Jun/22	Jul/22	Aug/22	Sep/22					
Effective Month	Oct/21	Nov/21	Dec/21	Jan/22													
Discharge during month y/n																	
Parameters Monitored														Min	Average	Max	
pH	7.60	7.80	7.40	7.47										4	7.40	7.57	7.80
Total Nitrogen mg/L	1.10	1.00	1.30	1.10										4	1.00	1.13	1.30
Total Phosphorus mg/L	0.06	0.09	0.14	0.09										4	0.06	0.10	0.14
Facael Coliforms CFU/100mL		770.00	26.00	115.00										3	26.00	303.67	770.00
BOD5	2.00	2.00	3.00	2.00										4	2.00	2.25	3.00
Suspended Solids mg/L	52.00	39.00	50.00	50.00										4	39.00	47.75	52.00
Ammonia mg/l	0.01	0.02	0.04	0.04										4	0.01	0.03	0.04
Oil and Grease mg/l	2.00	2.00	2.00	2.00										4	2.00	2.00	2.00

Indicates result was < the number given

Monitoring Point 10 - Lachlan River Upstream of sewer outfall location

Pollutant contrations of Lachlan River Water Upstream of Sewer Outfall

Date Sampled	11/Oct/21	8/22/21	6/Dec/21	17/Jan/22	Feb/22	Mar/22	Apr/22	May/22	Jun/22	Jul/22	Aug/22	Sep/22					
Effective Month	Oct/21	Nov/21	Dec/21	Jan/22													
Discharge during month y/n																	
Parameters Monitored														Min	Average	Max	
pH	7.60	7.70	7.5	7.24										4	7.24	7.51	7.70
Total Nitrogen mg/L	1.20	1.00	1.40	1.20										4	1.00	1.20	1.40
Total Phosphorus mg/L	0.07	0.08	0.13	0.09										4	0.07	0.09	0.13
Facael Coliforms CFU/100mL		488.00	15	83.00										3	15.00	195.33	488.00
BOD5	2.00	2.00	3.00	3.00										4	2.00	2.50	3.00
Suspended Solids mg/L	62.00	25.00	61	50.00										4	25.00	49.50	62.00
Ammonia mg/l	0.02	0.01	0.03	0.01										4	0.01	0.02	0.03
Oil and Grease mg/l	2.00	2.00	2.00	2.00										4	2.00	2.00	2.00

Indicates result was < the number given