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FORBES WATER TREATMENT PLANT - EPA LICENCE TESTING RESULTS

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Forbes Council License No. 435 Monitoring Point 2 - Discharge from Sedimentation Tank

Site Address: Forbes WTP 126-132 Flint St
Forbes NSW 2871
Pollutant concentrations of water being discharged from Sedimentation Tank to Lachlan River

Date Sampled			9/Oct/12	6/Nov/12	4/Dec/12	17/Jan/13	5/Feb/13	12/Mar/13	9/Apr/13	7/May/13	4/Jun/13	2/Jul/13	6/Aug/13	1/Sep/13	No of tests			
Effective Month			Oct/12	Nov/12	Dec/12	Jan/13	Feb/13	Mar/13	Apr/13	May/13	Jun/13	Jul/13	Aug/13	Sep/13				
Required Monitoring Frequency - Monthly																		
Parameters Monitored	Units	Measured Values													Min	Average	Max	
Aluminium (total)	mg/L	1,400.00	2,200.00	2,100.00	1,100.00	980.00	2,500.00	1,400.00	1,800.00	2,100.00	2,700.00	2,200.00			11	980	1861.82	2700
BOD5	mg/L	10.00	11.00	9.00	6.00	5.00	14.00	6.00	8.00	8.00	11.00	28.00			11	5	10.55	28
pH		7.30	7.20	7.20	7.10	7.10	7.20	7.20	7.20	7.20	7.10	7.20	7.30		11	7.1	7.19	7.3
Suspended Solids	mg/L	14,680.00	15,900.00	16,420.00	8,730.00	8,980.00	7,840.00	9,090.00	14,450.00	15,190.00	17,740.00	23,550.00			11	7840	13870.00	23550
Total Iron	mg/L	189.00	227.00	256.00	145.00	100.00	197.00	155.00	237.00	233.00	300.00	251.00			11	100	208.18	300

 Indicates result was below the limit of measure of the test
 Indicates tested for TDS

Monthly Backwash Discharge Volume	Kilolitres	4590	4970	5615	5896	4730	3564	3684	3342	3200
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Monitoring Point 3 - Discharge from Sand Filters

Pollutant concentrations of backwash water from filters being discharged to Lachlan River

Date Sampled			9/Oct/12	6/Nov/12	4/Dec/12	17/Jan/13	5/Feb/13	12/Mar/13	9/Apr/13	7/May/13	4/Jun/13	2/Jul/13	6/Aug/13	1/Sep/13	No of tests			
Effective Month			Oct/12	Nov/12	Dec/12	Jan/13	Feb/13	Mar/13	Apr/13	May/13	Jun/13	Jul/13	Aug/13	Sep/13				
Required Monitoring Frequency - Monthly																		
Parameters Monitored	Units	Measured Values													Min	Average	Max	
Aluminium (total)	mg/L	100.00	130.00	150.00	250.00	100.00	160.00	130.00	23.10	75.50	140.00	140.00			11	23.1	127.1	250
BOD5	mg/L	2.00	2.00	2.00	3.00	2.00	4.00	2.00	2.00	2.00	2.00	4.00			11	2	2.5	4
pH		7.80	7.90	7.60	7.40	7.60	7.70	7.40	7.40	7.40	7.50	7.80			11	7.4	7.6	7.9
Suspended Solids	mg/L	287.00	513.00	800.00	2,210.00	890.00	990.00	970.00	195.00	640.00	794.00	875.00			11	195	833.1	2210
Total Iron	mg/L	9.24	7.20	15.00	35.00	20.00	20.00	15.00	3.70	8.90	20.00	15.00			11	3.7	15.4	35

 Indicates result was below the limit of measure of the test
 Indicates tested for TDS

Monthly Backwash Discharge Volume	Kilolitres	8341	9040	11231	10720	8599	7425	6822	6962	6000
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