

Licensee

Forbes Shire Council

2 Court Street Forbes 2871

License No. 12375

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Central West Livestock Exchange

Monitoring Point 1 (E1) & 12 (E2)- Effluent Quality Monitoring

Pollutant concentrations of water being discharged from the monitoring point E1 - Effluent Storage Pond

E1 - Effluent Storage Pond

Date Sampled		2/Dec/14	4/Mar/15	2/Jun/15	8/Sep/15			
Effective Month		Dec/14	Mar/15	Jun/15	Sep/15			
Parameters Monitored	Units	Measured Values				Min	Average	Max
		pH	8.10	8.30	8.00	7.90	7.90	8.08
Electrical Conductivity	µS/cm	2710.00	2330.00	1902.00	1804.00	1804.00	2186.50	2710.00
BOD5	mg/l	66.00	53.00	168.00	66.00	53.00	88.25	168.00
Total Nitrogen	mg/l	49.00	52.00	89.00	98.00	49.00	72.00	98.00
Total Phosphorus	mg/l	23.00	16.00	22.00	24.00	16.00	21.25	24.00
Chloride	mg/l	320.00	295.00	170.00	155.00	155.00	235.00	320.00
Calcium	mg/l	63.40	54.20	56.00	50.20	50.20	55.95	63.40
Magnesium	mg/l	47.00	40.00	32.00	25.00	25.00	36.00	47.00
Potassium	mg/l	415.00	360.00	240.00	220.00	220.00	308.75	415.00
Sodium	mg/l	48.00	175.00	113.00	81.00	48.00	104.25	175.00
Sodium Absorption Ratio		1.10	4.40	3.00	2.30	1.10	2.70	4.40
Suspended Solids	mg/l	198.00	294.00	161.00	1156.00	161.00	452.25	1156.00

Monitoring Point 1 & 12

Pollutant concentrations of water being discharged from the monitoring point E2 - Sheep Yard Runoff Storage Pond

E2 - Sheep Yards Runoff Storage Pond

Date Sampled		2/Dec/14	4/Mar/15	2/Jun/15	8/Sep/15			
Effective Month		Dec/14	Mar/15	Jun/15	Sep/15			
Parameters Monitored	Units	Measured Values				Min	Average	Max
		pH		7.70	8.30	7.70	7.40	7.40
Electrical Conductivity	µS/cm	1697.00	1290.00	1402.00	1692.00	1290.00	1520.25	1697.00
BOD5	mg/l	50.00	14.00	98.00	230.00	14.00	98.00	230.00
Total Nitrogen	mg/l	29.00	15.00	48.00	94.00	15.00	46.50	94.00
Total Phosphorus	mg/l	16.00	7.60	10.00	23.00	7.60	14.15	23.00
Chloride	mg/l	195.00	150.00	130.00	180.00	130.00	163.75	195.00
Calcium	mg/l	41.60	31.80	32.80	42.70	31.80	37.23	42.70
Magnesium	mg/l	24.00	20.00	19.00	22.00	19.00	21.25	24.00
Potassium	mg/l	280.00	210.00	210.00	235.00	210.00	233.75	280.00
Sodium	mg/l	24.00	92.00	76.00	73.00	24.00	66.25	92.00
Sodium Absorption Ratio		0.70	3.10	2.60	2.20	0.70	2.15	3.10
Suspended Solids	mg/l	99.00	53.00	98.00	1084.00	53.00	333.50	1084.00

 Indicates result was below the limit of measure of the test

Discharge Volume Megalitres

Note: Quarterly sampling is to be taken during the reporting period , that effluent is applied to the utilisation area.