

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		15/Sep/20	7/Dec/20	4/May/21				
Effective Month		Sep/20	Dec/20	May/21				
Parameters Monitored	Units	Measured Values			Min	Average	Max	
pH	PH	8.40	8.40	8.20	8.20	8.33	8.40	
Electrical Conductivity	µS/cm	1860.00	1670.00	1190.00	1190.00	1573.33	1860.00	
BOD5	mg/l	764.00	1070.00	764.00	764.00	866.00	1070.00	
Total Nitrogen	mg/l	89.30	24.00	47.00	24.00	53.43	89.30	
Total Phosphorus	mg/l	23.00	11.00	19.00	11.00	17.67	23.00	
Chloride	mg/l	171.00	195.00	100.00	100.00	155.33	195.00	
Calcium	mg/l	56.40	35.80	38.90	35.80	43.70	56.40	
Magnesium	mg/l	28.70	27.00	23.80	23.80	26.50	28.70	
Potassium	mg/l	194.00	232.00	156.00	156.00	194.00	232.00	
Sodium	mg/l	119.00	129.00	67.60	67.60	105.20	129.00	
Sodium Absorption Ratio		3.20	4.00	2.10	2.10	3.10	4.00	
Suspended Solids	mg/l	1193.00	147.00	206.00	147.00	515.33	1193.00	

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

E2 - Sheep Yards Runoff Storage Pond

Date Sampled		15/Sep/20	7/Dec/20	4/May/21				
Effective Month		Sep/20	Dec/20	May/21				
Parameters Monitored	Units	Measured Values			Min	Average	Max	
pH	PH	8.20	8.00	8.10	8.00	8.10	8.10	
Electrical Conductivity	µS/cm	820.00	880.00	632.00	632.00	777.33	880.00	
BOD5	mg/l	404.00	563.00	404.00	404.00	457.00	563.00	
Total Nitrogen	mg/l	36.00	13.00	22.00	13.00	23.67	36.00	
Total Phosphorus	mg/l	10.00	7.90	5.00	5.00	7.63	10.00	
Chloride	mg/l	112.00	87.00	60.00	60.00	86.33	112.00	
Calcium	mg/l	27.60	21.50	16.50	16.50	21.87	27.60	
Magnesium	mg/l	16.70	13.80	11.40	11.40	13.97	16.70	
Potassium	mg/l	161.00	138.00	102.00	102.00	133.67	161.00	
Sodium	mg/l	65.00	56.00	36.70	36.70	52.57	65.00	
Sodium Absorption Ratio		2.40	2.30	1.70	1.70	2.13	2.40	
Suspended Solids	mg/l	704.00	76.00	69.00	69.00	283.00	704.00	

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.