

Licensee

Forbes Shire Council

2 Court Street Forbes 2871

License No. 12375

Published 30/09/2020

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		3/Dec/19	3/Mar/20	14/Jul/20	15/Sep/20			
Effective Month		Dec/19	Mar/20	Jul/20	Sep/20			
Parameters Monitored	Units	Measured Values				Min	Average	Max
pH		8.10	8.80	7.70	8.40		8.25	8.80
Electrical Conductivity	µS/cm	3720.00	5350.00	1810.00	1860.00		3185.00	5350.00
BOD5	mg/l	320.00	63.00	76.00	36.00		123.75	320.00
Total Nitrogen	mg/l	82.00	52.10	83.50	89.30		76.73	89.30
Total Phosphorus	mg/l	36.00	15.00	24.00	23.00		24.50	36.00
Chloride	mg/l	441.00	735.00	163.00	171.00		377.50	735.00
Calcium	mg/l	135.00	77.60	62.50	56.40		82.88	135.00
Magnesium	mg/l	98.00	137.00	32.80	28.70		74.13	137.00
Potassium	mg/l	530.00	835.00	243.00	194.00		450.50	835.00
Sodium	mg/l	272.00	467.00	107.00	119.00		241.25	467.00
Sodium Absorption Ratio		4.30	7.40	2.70	3.20		4.40	7.40
Suspended Solids	mg/l	385.00	223.00	1.16	1193.00		450.54	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		3/Dec/19	3/Mar/20	14/Jul/20	15/Sep/20			
Effective Month		Dec/19	Mar/20	Jul/20	Sep/20			
Parameters Monitored	Units	Measured Values				Min	Average	Max
pH		9.10	8.40	7.60	8.20	7.60	8.33	8.33
Electrical Conductivity	µS/cm	2930.00	2950.00	1150.00	1100.00	1100.00	2032.50	2950.00
BOD5	mg/l	48.00	56.00	16.00	24.00	16.00	36.00	56.00
Total Nitrogen	mg/l	34.00	38.00	30.00	36.00	30.00	34.50	38.00
Total Phosphorus	mg/l	9.80	10.00	9.10	10.00	9.10	9.73	10.00
Chloride	mg/l	411.00	407.00	122.00	112.00	112.00	263.00	411.00
Calcium	mg/l	57.70	49.10	29.90	27.60	27.60	41.08	57.70
Magnesium	mg/l	56.70	46.30	19.60	16.70	16.70	34.83	56.70
Potassium	mg/l	541.00	468.00	190.00	161.00	161.00	340.00	541.00
Sodium	mg/l	250.00	231.00	77.20	65.00	65.00	155.80	250.00
Sodium Absorption Ratio		5.60	5.70	2.70	2.40	2.40	4.10	5.70
Suspended Solids	mg/l	200.00	49.00	737.00	704.00	49.00	422.50	737.00

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.