

Licensee

Forbes Shire Council

2 Court Street Forbes 2871

License No. 12375

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		7/Sep/21	6/Dec/21	14/Feb/22	9/May/22	12/Jul/22	6/Sep/22				
Effective Month		Sep/21	Dec/21	Feb/22	May/22	Jul/22	Sep/22	Min	Average	Max	
Parameters Monitored	Units										
pH	PH	8.00	7.70	8.05	7.10	7.50	7.90	7.10	7.71	8.05	
Electrical Conductivity	µS/cm	1730.00	1.26	1300.00	830.00	2000.00	1800.00	1.26	965.32	1730.00	
Total - Dissolved Solids	mg/L	1117.00	809.00	835.00	560.00	1400.00	1200.00	560.00	830.25	1117.00	
BOD5	mg/l	104.00	21.00	36.00	77.00	254.00	191.00	21.00	59.50	104.00	
Total Nitrogen	mg/l	134.00	61.60	32.00	29.00	150.00	120.00	29.00	64.15	134.00	
Total Phosphorus	mg/l	23.00	21.00	15.00	13.00	32.00	29.00	13.00	18.00	23.00	
Chloride	mg/l	127.00	95.00	129.00	71.00	120.00	120.00	71.00	105.50	129.00	
Calcium	mg/l	47.10	41.30	37.10	27.00	56.00	47.00	27.00	38.13	47.10	
Magnesium	mg/l	21.30	18.20	23.00	14.00	27.00	24.00	14.00	19.13	23.00	
Potassium	mg/l	181.00	153.00	197.00	110.00	190.00	29.00	29.00	160.25	197.00	
Sodium	mg/l	73.10	59.70	85.70	35.00	79.00	75.00	35.00	63.38	85.70	
Sodium Absorption Ratio		2.20	1.90	2.70	1.40	2.20	2.20	1.40	2.05	2.70	
Suspended Solids	mg/l	1117.00	51.00	166.00	110.00	140.00	280.00	51.00	361.00	1117.00	

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

E2 - Sheep Yards Runoff Storage Pond

Date Sampled		7/Sep/21	6/Dec/21	14/Feb/22	9/May/22	12/Jul/22	6/Sep/22				
Effective Month		Sep/21	Dec/21	Feb/22	May/22	Jul/22	Sep/22	Min	Average	Max	
Parameters Monitored	Units										
pH	PH	7.70	7.30	7.67	7.10	7.40	7.60	7.10	7.44	7.44	
Electrical Conductivity	µS/cm	1360.00	940.00	750.00	780.00	1200.00	1300.00	750.00	957.50	1360.00	
Total - Dissolved Solids	mg/L	867.00	602.00	480.00	520.00	790.00	850.00	480.00	617.25	867.00	
BOD5	mg/l	129.00	24.00	58.00	77.00	116.00	109.00	24.00	72.00	129.00	
Total Nitrogen	mg/l	95.40	42.00	33.00	40.00	62.00	80.00	33.00	52.60	95.40	
Total Phosphorus	mg/l	17.00	12.00	13.00	14.00	17.00	19.00	12.00	14.00	17.00	
Chloride	mg/l	108.00	71.00	73.00	68.00	100.00	95.00	68.00	80.00	108.00	
Calcium	mg/l	29.60	26.70	34.50	24.00	31.00	36.00	24.00	28.70	34.50	
Magnesium	mg/l	14.90	12.50	16.40	13.00	16.00	15.00	12.50	14.20	16.40	
Potassium	mg/l	156.00	110.00	118.00	100.00	130.00	19.00	19.00	121.00	156.00	
Sodium	mg/l	54.50	42.60	41.90	31.00	56.00	52.00	31.00	42.50	54.50	
Sodium Absorption Ratio		2.00	1.70	1.50	1.30	2.00	1.80	1.30	1.63	2.00	
Suspended Solids	mg/l		27.00	942.00	350.00	37.00	160.00	27.00	439.67	942.00	

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.

Truck Wash Forbes

Date Sampled		16/11/2021	6/Dec/21	14/Feb/22	9/May/22	12/Jul/22	6/Sep/22				
Effective Month		Nov-21	Dec/21	Feb/22	May/22	Jul/22	Sep/22	Min	Average	Max	
Parameters Monitored	Units										
Ecoli	mpn/100mL	93.00	3.00	866.00	72.00	4.00	23.00	3.00	258.50	258.50	