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Monitoring Point 1

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**Forbes Shire Council**

2 Court Street Forbes 2871

License No. 12375

**Central West Livestock Exchange**

Published

**Monitoring Point 1 - Effluent Quality Monitoring**

Pollutant concentrations of water being discharged from the Pump labelled as "Landscaped Area (Irrigated )and Effluent Irrigation Area

Date Sampled		3/Jul/12	15/Oct/12	5/Feb/13	7/May/13	3/Sep/13			
Effective Month		Jul/12	Oct/12	Feb/13	May/13	Sep/13			
Parameters Monitored	Units	Measured Values					Min	Average	Max
pH		8.00	8.10	9.60	8.10	8.20	8.10	8.50	9.60
Electrical Conductivity	µS/cm	1478.00	1398.00	2300.00	421.00	1826.00	421.00	1486.25	2300.00
BOD5	mg/l	18.00	5.00	71.00	4.00	52.00	4.00	33.00	71.00
Total Nitrogen	mg/l	16.00	13.00	50.00	1.00	74.00	1.00	34.50	74.00
Total Phosphorus	mg/l	9.10	9.80	4.00	0.72	20.00	0.72	8.63	20.00
Chloride	mg/l	145.00	140.00	425.00	49.00	185.00	49.00	199.75	425.00
Calcium	mg/l	45.00	38.50	21.00	22.50	55.00	21.00	34.25	55.00
Magnesium	mg/l	29.00	26.00	31.00	11.00	31.00	11.00	24.75	31.00
Potassium	mg/l	145.00	145.00	100.00	6.00	215.00	6.00	116.50	215.00
Sodium	mg/l	152.00	141.00	519.00	38.00	123.00	38.00	205.25	519.00
Sodium Absorption Ratio		4.40	4.30	16.80	1.60	3.30	1.60	6.50	16.80
Suspended Solids	mg/l	51.00	31.00	1180.00	36.00	165.00	31.00	353.00	1180.00

Indicates result was below the limit of measure of the test

Discharge Volume                      Megalitres                      11.3

**Note: Testing is done quarterly after commencing Effluent discharge to "Landscaped Area (Irrigated )and "Effluent Irrigation Area"**



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23/05/2013