

# **Drinking Water Quality Management Plan (DWQMP) report**

## **2013-2014**

### **Livingstone Shire Council**

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## Glossary of terms

ADWG 2004	Australian Drinking Water Guidelines (2004). Published by the National Health and Medical Research Council of Australia
ADWG 2011	Australian Drinking Water Guidelines (2011). Published by the National Health and Medical Research Council of Australia
<i>E. coli</i>	<i>Escherichia coli</i> , a bacterium which is considered to indicate the presence of faecal contamination and therefore potential health risk
HACCP	Hazard Analysis and Critical Control Points certification for protecting drinking water quality
mg/L	Milligrams per litre
NTU	Nephelometric Turbidity Units
MPN/100mL	Most probable number per 100 millilitres
CFU/100mL	Colony forming units per 100 millilitres
<	Less than
>	Greater than

## 1. Introduction

This report documents the performance of Livingstone Shire Council's drinking water service with respect to water quality and performance from 1/1/2014 - 30/6/2014 in implementing the actions detailed in the drinking water quality management plan (DWQMP) as required under the *Water Supply (Safety and Reliability) Act 2008* (the Act).

Currently we are in the process of developing the deamalgamated Livingstone Shire Council DWQMP which is to be submitted to DEWS by 13/1/2015.

The report assists the Regulator to determine whether the approved DWQMP and any approval conditions have been complied with and provides a mechanism for providers to report publicly on their performance in managing drinking water quality.

This template has been prepared in accordance with the *Water Industry Regulatory Reform – drinking water quality management plan report factsheet* published by the Department of Energy and Water Supply, Queensland, accessible at [www.dews.qld.gov.au](http://www.dews.qld.gov.au).

## 2. Overview of Operations (optional)

Currently we are in the process of developing the deamalgamated Livingstone Shire Council DWQMP which is to be submitted to DEWS by 13/1/2015.

## 3. Actions taken to implement the DWQMP

Currently we are in the process of developing the deamalgamated Livingstone Shire Council DWQMP which is to be submitted to DEWS by 13/1/2015.

## 4. Compliance with water quality criteria for drinking water

See Appendix A - Table 2 & Table 3.

## 5. Notifications to the Regulator under sections 102 and 102A of the Act

For the new deamalgamated Livingstone Shire Council from 1/1/2014 - 30/6/2014 inclusive there were nil instances where the Regulator was notified under sections 102 or 102A of the Act.

## 6. Customer complaints related to water quality

Livingstone Shire Council is required to report on the number of complaints, general details of complaints, and the responses undertaken.

Throughout the year the following complaints about water quality were received:

**Table 1 - complaints about water quality**

Scheme No.	Scheme Location	Suspected Illness	Discoloured water	Taste and odour	Total
Scheme 1	Yeppoon	0	39	7	46
Scheme 2	Mt Charlton	0	4	0	4
Scheme 3	Nerimberra	0	0	0	0
Scheme 4	Marlborough	0	0	0	0
Total		0	43	7	50

### **Suspected Illness**

Livingstone Shire Council investigates each complaint relating to alleged illness from our water quality, typically by testing the customers tap and closest reticulation sampling point for the presence of *E. coli*.

From 1/1/2014 to 30/6/2014 inclusive there were nil confirmed cases of illness arising from the water supply system.

### **Discoloured water**

Forty three (43) customer complaints were received from within the Livingstone Shire Council from 1/1/2014 to 30/6/2014 inclusive related to discoloured water. Where discoloured water was present water mains were flushed in the adjacent local area network.

### **Taste and odour**

Seven (7) customer complaints were related to Taste & Odour and each individual complaint was addressed. Complaints were investigated and where necessary appropriate testing was performed.

## 7. Findings and recommendations of the DWQMP auditor

Currently we are in the process of developing the deamalgamated Livingstone Shire Council DWQMP which is to be submitted to DEWS by 13/1/2015.

## 8. Outcome of the review of the DWQMP and how issues raised have been addressed

Currently we are in the process of developing the deamalgamated Livingstone Shire Council DWQMP which is to be submitted to DEWS by 13/1/2015.

## Appendix A – Summary of compliance with water quality criteria

The results from the verification monitoring program have been compared against the levels of the water quality criteria specified by the Regulator in the *Water Quality and Reporting Guideline for a Drinking Water Service*.

The reported statistics do not include results derived from repeat samples, or from emergency or investigative samples undertaken in response to an elevated result.

**Table 2 - Verification monitoring results**

Scheme name	Scheme Location	System Component	Parameter	Units	Frequency of sampling	Total No. samples collected	No. of samples in which parameter was detected	No. of samples exceeding water quality criteria	Min	Max	Average (Mean)	Limit of reporting	Laboratory name
Capricorn Coast	Kelly's Offstream Storage	Source Water	Nitrate	mg/L	Monthly	6	6	0	<0.01	0.06	0.03	0.01	ALS Group
			Sulphate	mg/L	Monthly	6	6	0	<1	3	2	1	ALS Group
			Fluoride (naturally occurring)	mg/L	Monthly	6	6	0	<0.1	0.2	<0.1	0.1	ALS Group
			Aluminium (acid-soluble)	mg/L	Monthly	6	6	0	0.021	0.047	0.031	0.005	ALS Group
			Copper	mg/L	Monthly	6	6	0	0.012	0.107	0.045	0.001	ALS Group
			Iron	mg/L	Monthly	6	6	0	0.02	4.89	1.70	0.05	ALS Group
			Lead	mg/L	Monthly	6	6	0	<0.001	<0.001	<0.001	0.001	ALS Group
			Manganese	mg/L	Monthly	6	6	0	0.011	0.076	0.038	0.001	ALS Group
			Zinc	mg/L	Monthly	6	6	0	<0.005	0.035	0.017	0.005	ALS Group
			pH	pH Units	Monthly	6	6	0	6.60	7.39	6.93	0.01	ALS Group
			Turbidity	NTU	Monthly	6	6	0	2.5	6.7	4.8	0.1	ALS Group
			Alkalinity (Total as CaCO3)	mg/L	Monthly	6	6	0	4	24	12	1	ALS Group
			Calcium	mg/L	Monthly	6	6	0	1	4	3	1	ALS Group
			Chloride	mg/L	Monthly	6	6	0	25	29	27	1	ALS Group
			Colour (True)	PCU	Monthly	6	6	0	30	170	67	1	ALS Group
			Conductivity	µS/cm	Monthly	6	6	0	116	129	123	1	ALS Group
			Magnesium	mg/L	Monthly	6	6	0	2	3	2	1	ALS Group
			Potassium	mg/L	Monthly	6	6	0	<1	1	<1	1	ALS Group
			Sodium	mg/L	Monthly	6	6	0	16	18	17	1	ALS Group
			Total Dissolved Solids (TDS)	mg/L	Monthly	6	6	0	67	82	72	5	ALS Group
Hardness (Total as CaCO3)	mg/L	Monthly	6	6	0	11	20	15	1	ALS Group			
Total Organic Carbon (TOC)	mg/L	Quarterly	2	2	0	4	5	5	1	ALS Group			
pH	pH Units	Daily	178	178	0	6.20	8.00	6.62	0.01	Inhouse			
Turbidity	NTU	Daily	178	178	0	0.90	5.80	2.40	0.01	Inhouse			

Scheme name	Scheme Location	System Component	Parameter	Units	Frequency of sampling	Total No. samples collected	No. of samples in which parameter was detected	No. of samples exceeding water quality criteria	Min	Max	Average (Mean)	Limit of reporting	Laboratory name
Capricorn Coast	Woodbury Water Treatment Plant	Water Treatment Plant	Nitrate	mg/L	Monthly	6	6	0	0.04	0.07	0.05	0.01	ALS Group
			Sulphate	mg/L	Monthly	6	6	0	25	31	29	1	ALS Group
			Trihalomethanes (THMs) (Total)	ug/L	Quarterly	2	2	0	42	45	44	5	ALS Group
			Fluoride	mg/L	Monthly	6	6	0	<0.1	0.2	<0.1	0.1	ALS Group
			Aluminium (acid-soluble)	mg/L	Monthly	6	6	0	0.015	0.029	0.020	0.005	ALS Group
			Copper	mg/L	Monthly	6	6	0	0.003	0.052	0.011	0.001	ALS Group
			Iron	mg/L	Monthly	6	6	0	<0.05	0.18	<0.05	0.05	ALS Group
			Manganese	mg/L	Monthly	6	6	0	0.006	0.037	0.015	0.001	ALS Group
			Zinc	mg/L	Monthly	6	6	0	<0.005	0.088	0.034	0.005	ALS Group
			pH	pH Units	Monthly	6	6	0	7.31	7.63	7.47	0.01	ALS Group
			Turbidity	NTU	Monthly	6	6	0	0.8	3.1	1.5	0.1	ALS Group
			Alkalinity (Total as CaCO3)	mg/L	Monthly	6	6	0	11	26	20	1	ALS Group
			Calcium	mg/L	Monthly	6	6	0	12	14	13	1	ALS Group
			Chloride	mg/L	Monthly	6	6	0	26	32	30	1	ALS Group
			Colour (True)	PCU	Monthly	6	6	0	5	10	6	1	ALS Group
			Conductivity	µS/cm	Monthly	6	6	0	192	226	205	1	ALS Group
			Magnesium	mg/L	Monthly	6	6	0	2	2	2	1	ALS Group
			Potassium	mg/L	Monthly	6	6	0	<1	<1	<1	1	ALS Group
			Sodium	mg/L	Monthly	6	6	0	21	26	23	1	ALS Group
			Total Dissolved Solids (TDS)	mg/L	Monthly	6	6	0	109	181	130	5	ALS Group
			Hardness (Total as CaCO3)	mg/L	Monthly	6	6	0	38	43	41	1	ALS Group
			Total Organic Carbon (TOC)	mg/L	Quarterly	2	2	0	2	2	2	1	ALS Group
			Arsenic	mg/L	Yearly	1	1	0	<0.001	<0.001	<0.001	0.001	ALS Group
			Cadmium	mg/L	Yearly	1	1	0	<0.0001	<0.0001	<0.0001	0.0001	ALS Group
Chromium	mg/L	Yearly	1	1	0	<0.001	<0.001	<0.001	0.001	ALS Group			
Nickel	mg/L	Yearly	1	1	0	<0.001	<0.001	<0.001	0.001	ALS Group			
Selenium	mg/L	Yearly	1	1	0	<0.01	<0.01	<0.01	0.01	ALS Group			

Scheme name	Scheme Location	System Component	Parameter	Units	Frequency of sampling	Total No. samples collected	No. of samples in which parameter was detected	No. of samples exceeding water quality criteria	Min	Max	Average (Mean)	Limit of reporting	Laboratory name
Capricorn Coast	Woodbury Water Treatment Plant	Water Treatment Plant	Mercury	mg/L	Yearly	1	1	0	<0.0001	<0.0001	<0.0001	0.0001	ALS Group
			Chlorine (free)	mg/L	Daily	181	181	0	1.06	2.76	1.82	0.01	Inhouse
			pH	pH Units	Daily	181	181	0	6.80	7.80	7.39	0.01	Inhouse
			Turbidity	NTU	Daily	181	181	0	0.1	0.8	0.2	0.1	Inhouse
			Chlorine (free)	mg/L	Daily	181	181	0	0.82	2.07	1.65	0.01	Inhouse- Telemetry
			pH	pH Units	Daily	181	181	0	6.57	7.71	7.30	0.01	Inhouse- Telemetry
			Escherichia coli (E.coli)	MPN/100mL	Weekly	26	26	0	<1	<1	<1		Ecoscope Environmental
		Reticulation	Chlorine (free)	mg/L	Weekly	79	79	0	0.03	1.81	0.84	0.01	Inhouse
			Trihalomethanes (THMs) (Total)	µg/L	Quarterly	2	2	0	103	153	128	5	ALS Group
			Trihalomethanes (THMs) (Total)	µg/L	Quarterly	2	2	0	110	176	143	5	ALS Group
Marlborough	Marlborough Water Treatment Plant	Source Water	Nitrate	mg/L	Monthly	6	6	0	0.64	0.66	0.65	0.01	ALS Group
			Sulphate	mg/L	Monthly	6	6	0	23	25	24	1	ALS Group
			Fluoride (naturally occurring)	mg/L	Monthly	6	6	0	0.1	0.2	0.2	0.1	ALS Group
			Aluminium (acid-soluble)	mg/L	Monthly	6	6	0	<0.005	<0.005	<0.005	0.005	ALS Group
			Copper	mg/L	Monthly	6	6	0	0.001	0.023	0.009	0.001	ALS Group
			Iron	mg/L	Monthly	6	6	0	<0.05	<0.05	<0.05	0.05	ALS Group
			Lead	mg/L	Monthly	6	6	0	<0.001	<0.001	<0.001	0.001	ALS Group
			Manganese	mg/L	Monthly	6	6	0	<0.001	<0.001	<0.001	0.001	ALS Group
			Zinc	mg/L	Monthly	6	6	0	<0.005	0.056	0.026	0.005	ALS Group
			pH	pH Units	Monthly	6	6	0	7.53	8.90	8.11	0.01	ALS Group
			Turbidity	NTU	Monthly	6	6	0	0.4	1.0	0.8	0.1	ALS Group
			Alkalinity (Total as CaCO3)	mg/L	Monthly	6	6	0	415	446	426	1	ALS Group
			Calcium	mg/L	Monthly	6	6	0	23	25	24	1	ALS Group
			Chloride	mg/L	Monthly	6	6	0	186	197	191	1	ALS Group
			Colour (True)	PCU	Monthly	6	6	0	5	8	6	1	ALS Group
			Conductivity	µS/cm	Monthly	6	6	0	1240	1420	1287	1	ALS Group
			Magnesium	mg/L	Monthly	6	6	0	95	105	100	1	ALS Group



Scheme name	Scheme Location	System Component	Parameter	Units	Frequency of sampling	Total No. samples collected	No. of samples in which parameter was detected	No. of samples exceeding water quality criteria	Min	Max	Average (Mean)	Limit of reporting	Laboratory name
Marlborough	Marlborough Water Treatment Plant	Source Water	Potassium	mg/L	Monthly	6	6	0	<1	1	1	1	ALS Group
			Sodium	mg/L	Monthly	6	6	0	102	115	108	1	ALS Group
			Total Dissolved Solids (TDS)	mg/L	Monthly	6	6	0	668	773	724	5	ALS Group
			Hardness (Total as CaCO3)	mg/L	Monthly	6	6	0	449	495	470	1	ALS Group
			Total Organic Carbon (TOC)	mg/L	Quarterly	2	2	0	<1	2	1	1	ALS Group
			Arsenic	mg/L	Yearly	1	1	0	0.002	0.002	0.002	0.001	ALS Group
			Cadmium	mg/L	Yearly	1	1	0	<0.0001	<0.0001	<0.0001	<0.0001	ALS Group
			Chromium	mg/L	Yearly	1	1	0	0.005	0.005	0.005	0.001	ALS Group
			Nickel	mg/L	Yearly	1	1	0	0.003	0.003	0.003	0.001	ALS Group
			Selenium	mg/L	Yearly	1	1	0	<0.01	<0.01	<0.01	0.01	ALS Group
		Mercury	mg/L	Yearly	1	1	0	<0.0001	<0.0001	<0.0001	0.0001	ALS Group	
		Water Treatment Plant	Nitrate	mg/L	Monthly	6	6	0	0.37	0.40	0.38	0.01	ALS Group
			Sulphate	mg/L	Monthly	6	6	0	9	11	10	1	ALS Group
			Trihalomethanes (THMs) (Total)	µg/L	Quarterly	2	2	0	<5	<5	<5	5	ALS Group
			Fluoride	mg/L	Monthly	6	6	0	<0.1	0.1	<0.1	0.1	ALS Group
			Aluminium (acid-soluble)	mg/L	Monthly	6	6	0	<0.005	<0.005	<0.005	0.005	ALS Group
			Copper	mg/L	Monthly	6	6	0	0.008	0.027	0.015	0.001	ALS Group
			Iron	mg/L	Monthly	6	6	0	<0.05	<0.05	<0.05	0.05	ALS Group
			Lead	mg/L	Monthly	6	6	0	<0.001	0.002	<0.001	0.001	ALS Group
			Manganese	mg/L	Monthly	6	6	0	<0.001	<0.001	<0.001	0.001	ALS Group
			Zinc	mg/L	Monthly	6	6	0	0.006	0.019	0.011	0.005	ALS Group
			pH	pH Units	Monthly	6	6	0	7.56	8.75	8.08	0.01	ALS Group
			Turbidity	NTU	Monthly	6	6	0	0.4	1.0	0.7	0.1	ALS Group
Alkalinity (Total as CaCO3)	mg/L		Monthly	6	6	0	173	222	195	1	ALS Group		
Calcium	mg/L	Monthly	6	6	0	10	10	10	1	ALS Group			
Chloride	mg/L	Monthly	6	6	0	80	91	85	1	ALS Group			
Colour (True)	PCU	Monthly	6	6	0	5	8	6	1	ALS Group			

Scheme name	Scheme Location	System Component	Parameter	Units	Frequency of sampling	Total No. samples collected	No. of samples in which parameter was detected	No. of samples exceeding water quality criteria	Min	Max	Average (Mean)	Limit of reporting	Laboratory name
Marlborough	Marlborough Water Treatment Plant	Water Treatment Plant	Conductivity	µS/cm	Monthly	6	6	0	584	703	623	1	ALS Group
			Magnesium	mg/L	Monthly	6	6	0	41	47	43	1	ALS Group
			Potassium	mg/L	Monthly	6	6	0	<1	<1	<1	1	ALS Group
			Sodium	mg/L	Monthly	6	6	0	52	60	56	1	ALS Group
			Total Dissolved Solids (TDS)	mg/L	Monthly	6	6	0	314	353	338	5	ALS Group
			Hardness (Total as CaCO3)	mg/L	Monthly	6	6	0	194	218	203	1	ALS Group
			Total Organic Carbon (TOC)	mg/L	Quarterly	2	2	0	<1	<1	<1	1	ALS Group
			Arsenic	mg/L	Yearly	1	1	0	<0.001	<0.001	<0.001	0.001	ALS Group
			Cadmium	mg/L	Yearly	1	1	0	<0.0001	<0.0001	<0.0001	0.0001	ALS Group
			Chromium	mg/L	Yearly	1	1	0	0.002	0.002	0.002	0.001	ALS Group
			Nickel	mg/L	Yearly	1	1	0	<0.001	<0.001	<0.001	0.001	ALS Group
			Selenium	mg/L	Yearly	1	1	0	<0.01	<0.01	<0.01	0.01	ALS Group
			Mercury	mg/L	Yearly	1	1	0	<0.0001	<0.0001	<0.0001	0.0001	ALS Group
			Chlorine (free)	mg/L	Daily	181	181	0	0.38	1.14	0.82	0.01	Inhouse- Telemetry
		pH	pH Units	Daily	181	181	0	6.48	7.65	7.52	0.01	Inhouse- Telemetry	
		Turbidity	NTU	Daily	181	181	0	0.0	1.14	0.67	0.1	Inhouse- Telemetry	
		Conductivity	µS/cm	Daily	181	181	0	276	478	389	1	Inhouse- Telemetry	
		Escherichia coli (E.coli)	MPN/100mL	Weekly	26	26	0	<1	<1	<1		Ecoscope Environmental	
		Reticulation	Chlorine (free)	mg/L	Weekly	45	45	0	0.30	0.87	0.61	0.01	Inhouse
	Trihalomethanes (THMs) (Total)	µg/L	Quarterly	2	2	0	5	8	7	5	ALS Group		

**Table 3 - Reticulation *E. coli* verification monitoring**

Drinking water scheme:

**Woodbury Water Treatment Plant**

<b>Year</b>	<b>2014</b>											
<b>Month</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug</b>	<b>Sept</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
No. of samples collected	4	4	5	4	4	4						
No. of samples collected in which <i>E. coli</i> is detected (i.e. a failure)	0	0	0	0	0	0						
No. of samples collected in previous 12 month period	4	8	13	17	21	25						
No. of failures for previous 12 month period	0	0	0	0	0	0						
% of samples that comply	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%						
Compliance with 98% annual value N/A*												

Drinking water scheme:

**Saint Faith's System**

<b>Year</b>	<b>2014</b>											
<b>Month</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug</b>	<b>Sept</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
No. of samples collected	4	4	5	4	4	5						
No. of samples collected in which <i>E. coli</i> is detected (i.e. a failure)	0	0	0	0	0	0						
No. of samples collected in previous 12 month period	4	8	13	17	21	26						
No. of failures for previous 12 month period	0	0	0	0	0	0						
% of samples that comply	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%						
Compliance with 98% annual value N/A*												

Drinking water scheme:

**Taranganba and Lammermoor System**

<b>Year</b>	<b>2014</b>											
<b>Month</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug</b>	<b>Sept</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
No. of samples collected	4	4	5	4	4	5						
No. of samples collected in which <i>E. coli</i> is detected (i.e. a failure)	0	0	0	0	0	0						
No. of samples collected in previous 12 month period	4	8	13	17	21	26						
No. of failures for previous 12 month period	0	0	0	0	0	0						
% of samples that comply	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%						
Compliance with 98% annual value N/A*												

Drinking water scheme:

Emu Park and Keppel Sands System

Year	2014											
Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
No. of samples collected	8	8	10	8	8	6						
No. of samples collected in which <i>E. coli</i> is detected (i.e. a failure)	0	0	0	0	0	0						
No. of samples collected in previous 12 month period	8	16	26	34	42	48						
No. of failures for previous 12 month period	0	0	0	0	0	0						
% of samples that comply	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%						
Compliance with 98% annual value N/A*												

Drinking water scheme:

Mount Charlton System

Year	2014											
Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
No. of samples collected	4	4	5	4	4	5						
No. of samples collected in which <i>E. coli</i> is detected (i.e. a failure)	0	0	0	0	0	0						
No. of samples collected in previous 12 month period	4	8	13	17	21	26						
No. of failures for previous 12 month period	0	0	0	0	0	0						
% of samples that comply	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%						
Compliance with 98% annual value N/A*												

Drinking water scheme:

Marlborough Water Treatment Plant

Year	2014											
Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
No. of samples collected	4	4	5	4	4	5						
No. of samples collected in which <i>E. coli</i> is detected (i.e. a failure)	0	0	0	0	0	0						
No. of samples collected in previous 12 month period	4	8	13	17	21	26						
No. of failures for previous 12 month period	0	0	0	0	0	0						
% of samples that comply	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%						
Compliance with 98% annual value N/A*												

Drinking water scheme:

Marlborough Reticulation

Year	2014											
Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
No. of samples collected	4	4	5	4	4	5						
No. of samples collected in which <i>E. coli</i> is detected (i.e. a failure)	0	0	0	0	0	0						
No. of samples collected in previous 12 month period	4	8	13	17	21	26						
No. of failures for previous 12 month period	0	0	0	0	0	0						
% of samples that comply	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%						
Compliance with 98% annual value N/A*												

CALCULATE PERCENTAGE USING A TWELVE (12) MONTH 'ROLLING' ANNUAL VALUE

The Public Health Regulation 2005 (the regulation) requires that 98 per cent of samples taken in a 12 month period should contain no E. Coli. This requirement is referred to as the 'annual value' in Schedule 3A of the regulation.

This requirement comes into effect once you have 12 months data and should be assessed every month based on the previous 12 months data (so that it is a 'rolling' assessment).

N/A\* - new deamalgamated Livingstone Shire Council: only (6) months of data.

## Appendix B – Implementation of the DWQMP Risk Management Improvement Program

Currently we are in the process of developing the deamalgamated Livingstone Shire Council DWQMP which is to be submitted to DEWS by 13/1/2015.