



Stepping the Future

Our Ref: 212163.6Report16.1

01 October 2012

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Water Monitoring Results - Wangaratta RTG
Date Received: 7 September 2012

I am writing in relation to water quality data received 7 September 2012 from the CFA for the Wangaratta RTG Water used in fire-fighting training, sourced from the underground tank and the town water mains hydrant, was sampled on 23 July 2012 and the report was issued on 30 July 2012. Water was also sampled from a third location, a Triple Interceptor Trap (TIT) however this is not representative of water used in training.

This test report is derived from the water monitoring program set out in CFA's Water Management Plans with testing by independent laboratories certified by the National Association of Testing Authorities (NATA).

The results have been reviewed by our team of water quality and health specialists and we can report that the results do not indicate any water quality issues that would make the water from the tanks tested unsuitable for use in fire fighting training.

Yours faithfully

Cardno Lane Piper Pty Ltd

Approved:

Senior Environmental Chemist

Senior Principal

Enclosed:

NATA Certified Laboratory Reports:

- ALS Report number: 317582 – sample date 23 July 2012

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United Kingdom • United States • Operations in 85 countries



Environmental Division (Water Resources Group)



CERTIFICATE OF ANALYSIS

Batch No: 12-33344
Final Report 317682

Page Page 1 of 2

Client: CFA
Contact: [Redacted]
Address: 1 Ely Street
WANGARATTA VIC 3677

Laboratory Address
Wangaratta Laboratory
48 Faithfull Street,
Wangaratta,
VIC 3677.
Phone 03 5722 2688
Fax 03 5722 4727

Contact: [Redacted]

Wangaratta Laboratory Manager
Stewart.Short@alsglobal.com

PO No: 308436
Sampler Name: [Redacted]
ALS Program Ref: CFAWANG
Program Description: Miscellaneous Analyses
Client Ref: Misc Analysis

Date Sampled: 23-Jul-2012
Date Samples Received: 30-Jul-2012
Date Issued:

The sample(s) referred to in this report were analysed by the following method(s):
- NATA accreditation does not cover the performance of this service

Analysis	Method	Laboratory	Analysis	Method	Laboratory
BOD5	VIC-CM028	Wangaratta	Colliert (2000)	VIC-MM514	Wangaratta
pH	VIC-CM060 B	Wangaratta	Ps aeruginosa	VIC-MM528	Wangaratta
SS	APHA 2540 D	Wangaratta			

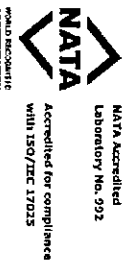
Result for pH in water tested in the laboratory may be indicative only as holding time is generally not achievable. (6 hrs from time of sampling, ASS667.1)
Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contact for details.

The Pseudomonas aeruginosa result for sample 3117642 is an estimate, due to the high numbers of microbes recovered.

Signatories

These results have been electronically signed by the authorised signatories indicated below. Electronic signing has been carried out in compliance with procedures specified in 21 CFR Part 11

Tile	Microbiologist	Tile	Wangaratta Laboratory Manager
[Redacted]	[Redacted]	[Redacted]	[Redacted]



Samples tested as received.

Soil results expressed in mg/kg dry weight unless specified otherwise.
Microbiological testing was commenced within 24 hours of sampling unless otherwise stated.
VIC-MM524: Plate count results <10 per mL and >300 per mL are deemed as approximate.
VIC-MM526: Plate count results <2,500 per mL and >250,000 per mL are deemed as approximate.
Calculated results are based on raw data.

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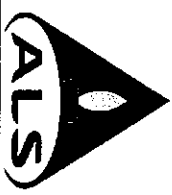
Batch No: 12-33344

Report Number: 317582

Client: CFA

ALS Program Ref: CFAWANG

Program Description: Miscellaneous Analyses



Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
3117642		Triple Interceptor	WATER	23/07/12 08:50
3117645		Underground Tank	WATER	23/07/12 08:55
3117646		Main Hydrant	WATER	23/07/12 09:00

Analysis	Analyte	Sample No. Site Code	Units	3117642	3117645	3117646
pH - pH, units			Units	7.1	8.3	7.9
BOD5 - Biochemical Oxygen Demand, 5 Day			mg/L	14	<2	<2
SS - Suspended Solids			mg/L	20	<2	<2
Colliert (2000) - E.coli MPN Colliert			orgs/100mL	10	1	0
Ps aeruginosa - Pseudomonas aeruginosa			orgs/100mL	3900	0	0

