

Our Ref: 212163.6Report29.1

18 January 2013

Country Fire Authority
8 Lakeside Drive
East Burwood Vic 3151

Attention: 



Shaping the Future

Cardno Lane Piper Pty Ltd
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Water Monitoring Results - Bangholme Date Received: 16 January 2013

Dear 

I am writing in relation to water quality data received 16 January 2013 from the CFA for the Bangholme RTG. Water used in fire-fighting training was sampled on 9 January 2013 and the report was issued on 14 January 2013.

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). Water at Bangholme RTG is sourced for fire-fighting training from the South Megalitre Tank. Cardno Lane Piper understands that water is currently not being used from either tank during the summer break (i.e. North and South Tanks¹).

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 South Megalitre tank unsuitable for use in fire fighting training. However, the water from the North Megalitre tank has levels of *Pseudomonas aeruginosa* that exceeds the Water Management Plan criteria for this training ground. Therefore the water from the North Megalitre tank is currently unsuitable for use in fire-fighting training until corrective actions and a follow up sample have taken place and the results from the additional water results assessed.

CFA has suggested that the North Megalitre tank could be emptied and cleaned out. Following this maintenance clean up of the tank, the North Megalitre tank would be refilled and the water sampled. Cardno Lane Piper agrees that this would be an appropriate corrective action.

Yours faithfully
Cardno Lane Piper Pty Ltd



Senior Environmental Chemist

Approved:



Senior Principal

Enclosed:

NATA Certified Laboratory Reports:

- ALS Report number: 344928 – sample date 9 January 2013

¹ Water is not used directly in fire-fighting training at this RTG from the following sources; the Concrete Tank and the Flammable Liquids Tank. The concrete tank has been taken off line and emptied hence it is no longer used in the water recirculation cycle at Fiskville.



Environmental Division (Water Resources Group)



CERTIFICATE OF ANALYSIS

Batch No:	13-02628	<i>Page</i>	Page 1 of 2
<i>Final Report</i>	344928	<i>Laboratory</i>	Scoresby Laboratory
<i>Client:</i>	CFA	<i>Address</i>	Caribbean Business Park, 22 Dalmore Drive, Scoresby, VIC 3179
<i>Contact:</i>	[REDACTED]	<i>Phone</i>	03 8756 8000
<i>Address:</i>	PO Box 717 PATTERSON LAKES VIC 3197	<i>Fax</i>	03 9763 1862
		<i>Contact:</i>	[REDACTED]
<i>PO No:</i>	Not Available	<i>Date Sampled:</i>	09-Jan-2013
<i>Sampler Name:</i>		<i>Date Samples Received:</i>	09-Jan-2013
<i>ALS Program Ref:</i>	CFA	<i>Date Issued:</i>	14-Jan-2013
<i>Program Description:</i>	Miscellaneous Analyses		
<i>Client Ref:</i>	Tank Analysis		

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.

<i>Analysis</i>	<i>Method</i>	<i>Laboratory</i>	<i>Analysis</i>	<i>Method</i>	<i>Laboratory</i>
Colilert (2000)	MM514	Scoresby	Ps aeruginosa	MM528	Scoresby

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contact for details.

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

<i>Name</i>	<i>Title</i>	<i>Name</i>	<i>Title</i>
[REDACTED]	Analyst	[REDACTED]	Team Leader Microbiology

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: 13-02628
 Report Number: 344928
 Client: CFA
 ALS Program Ref: CFA
 Program Description: Miscellaneous Analyses



Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
3318050		Green Flammable Tank	WATER	09/01/13
3318051		South Megalitre Tank	WATER	09/01/13
3318052		North Megalitre Tank	WATER	09/01/13

Analysis - Analyte	Sample No. Site Code Units	3318050	3318051	3318052
		Coliert (2000) - E.coli MPN Coliert	orgs/100mL	0
Ps aeruginosa - Pseudomonas aeruginosa	orgs/100mL	0	0	400