

Our Ref: 212163.6Report37.1

28 March 2013

Country Fire Authority  
8 Lakeside Drive  
East Burwood Vic 3151

Attention: 

Cardno Lane Piper Pty Ltd  
Trading as Cardno Lane Piper  
ABN 35 120 109 935

Building 2, 154 Highbury Road  
Burwood VIC 3125  
Australia

Phone: 61 3 9888 0100  
Fax: 61 3 9808 3511

**Water Monitoring Results - Bangholme  
Date Received: 27 March 2013**

[www.cardno.com.au](http://www.cardno.com.au)  
[www.lanepiper.com.au](http://www.lanepiper.com.au)

Dear 

I am writing in relation to water quality data received 27 March 2013 from the CFA for the Bangholme RTG. Water used in fire-fighting training was sampled on 20 March 2013 and the report was issued on 22 March 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 and the North Megalitre Tank.

The results have been reviewed by our team of water quality and health specialists and we can report that the results for the tanks currently used<sup>1</sup> 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**



Senior Environmental Chemist

Approved:



Senior Principal

*Enclosed:*

NATA Certified Laboratory Reports:

- ALS Report number: 356548 – sample date 20 March 2013

<sup>1</sup> Water from the Green Flammable Tank is not used directly in fire-fighting training at this RTG.



Environmental Division (Water Resources Group)

**CERTIFICATE OF ANALYSIS**

<b>Batch No:</b>	<b>13-14423</b>	<i>Page</i>	<b>Page 1 of 2</b>
<i>Final Report</i>	<b>356548</b>	<i>Laboratory</i>	Scoresby Laboratory
<i>Client:</i>	<b>CFA</b>	<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>	<b>Not Available</b>	<i>Date Sampled:</i>	<b>20-Mar-2013</b>
<i>Sampler Name:</i>		<i>Date Samples Received:</i>	<b>20-Mar-2013</b>
<i>ALS Program Ref:</i>	<b>CFA</b>	<i>Date Issued:</i>	<b>22-Mar-2013</b>
<i>Program Description:</i>	<b>Miscellaneous Analyses</b>		
<i>Client Ref:</i>	<b>Tank Analysis</b>		

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]	<b>Deputy Team Leader Microbiology</b>	[REDACTED]	<b>Analyst</b>

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.

Page: Page 2 of 2  
 Batch No: 13-14423  
 Report Number: 356548  
 Client: CFA  
 ALS Program Ref: CFA  
 Program Description: Miscellaneous Analyses



Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
3406749		Flammable Liquid Tank	WATER	20/03/13
3406750		South Megalitre Tank	WATER	20/03/13
3406751		North Megalitre Tank	WATER	20/03/13

Analysis - Analyte	Sample No.	3406749	3406750	3406751
	Site Code Units			
Colliert (2000) - E.coli MPN Colliert	orgs/100mL	0	0	0
Ps aeruginosa - Pseudomonas aeruginosa	orgs/100mL	0	0	0