

Our Ref: 212163.6Report07.1

09 August 2012

Country Fire Authority
8 Lakeside Drive
East Burwood Vic 3151

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

www.cardno.com.au
www.lanepiper.com.au

**Water Monitoring Results - RTGs
Week of 06 August 2012**

Water quality testing reports have been received from the CFA from two of the six Regional Training Grounds (RTG) in the week starting 06 August 2012.

These test reports have been 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). It is noted that the results received this week were from the RTGs at West Sale and Bangholme.

The results have been reviewed by our team of water quality and health specialists and we can report that the results from;


- **Bangholme:** do not indicate any water quality issues that would make the water unsuitable for use in fire fighting training.
- **West Sale:** indicate that a water quality criterion for one bacterial pathogen has exceeded the criteria set out in the Water Management Plan for West Sale. The bacterial counts at this site require further investigation including immediate re-testing and review of water systems at Sale by Cardno Lane Piper. Therefore recirculated water use at this site should continue to be minimised until further notice.

Yours faithfully
Cardno Lane Piper Pty Ltd



Giorgio De Nola
Senior Environmental Chemist

Approved:



Anthony P. Lane
Senior Principal

Enclosed:

NATA Certified Laboratory Reports:

- **West Sale, Gippsland:** ALS Report number: 318925 – sample date 03 August 2012
- **Bangholme:** ALS Report number: 317542 – sample date 25 July 2012



Environmental Division (Water Resources Group)



CERTIFICATE OF ANALYSIS

Batch No: 12-34989 Page Page 1 of 2
Final Report 318925
Client: Gippland Fire Training Complex - CFA Sale
Contact:
Address: P.O.Box 1212 Sale Victoria 3850
Laboratory Address: Traralgon Laboratory 4/55 Hazelwood Road, Traralgon, VIC 3844
Phone 03 5176 4170
Fax 03 5176 4473
PO No: Not Available Date Sampled: 03-Aug-2012
Sampler Name:
ALS Program Ref: SUNDRY_TRA Date Samples Received: 03-Aug-2012
Program Description: Sundry Customer Program for Traralgon Date Issued: 08-Aug-2012
Client Ref: CFA - Sale

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

Table with 6 columns: Analysis, Method, Laboratory, Analysis, Method, Laboratory. Rows include Colliert (2000) and Ps aeruginosa.

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

For water to be suitable for primary contact e.g. swimming, the E.coli count must not exceed 150 orgs/100mL (SEPP Waters of Victoria Primary Contact 1970), and the enterococci count must not exceed 35 orgs/100mL (ANZECC Guidelines for Fresh and Marine Waters, 2000).

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

Table with 4 columns: Name, Title, Name, Title. Analysts listed.



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-MMS24: Plate count results <10 per mL and >300 per mL are deemed as approximate.
VIC-MMS26: 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: 12-34989
 Report Number: 318925
 Client: Gippland Fire Training Complex - CFA Sale
 ALS Program Ref: SUNDRY_TRA
 Program Description: Sundry Customer Program for Traralgon



Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
3131180		N/E Corner of Dam	WATER	03/08/12 11:30
3131181		S/W Corner of Dam	WATER	03/08/12 11:30

Analysis - Analyte	Sample No. Site Code Units	3131180	3131181
	Colilert (2000) - E.coli MPN Colilert	orgs/100mL	0
Enterococci - Enterococci	orgs/100mL	15	52
Ps aeruginosa - Pseudomonas aeruginosa	orgs/100mL	<5	<2



Environmental Division (Water Resources Group)

CERTIFICATE OF ANALYSIS

Batch No:	12-33673	<i>Page</i>	Page 1 of 2
<i>Final Report</i>	317542	<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] Client Manager
<i>PO No:</i>	Not Available	<i>Date Sampled:</i>	25-Jul-2012
<i>Sampler Name:</i>		<i>Date Samples Received:</i>	25-Jul-2012
<i>ALS Program Ref:</i>	CFA	<i>Date Issued:</i>	30-Jul-2012
<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)	VIC-MM514	Scoresby	Ps aeruginosa	VIC-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]	Microbiologist
[REDACTED]	Analyst		

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.



www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Page: Page 2 of 2
 Batch No: 12-33673
 Report Number: 317542
 Client: CFA
 ALS Program Ref: CFA
 Program Description: Miscellaneous Analyses



Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
3120690		Concrete Tank	WATER	25/07/12
3120691		Flammable Liquid Tank	WATER	25/07/12
3120692		South Megalitre Tank	WATER	25/07/12
3120693		North Megalitre Tank	WATER	25/07/12

Analysis - Analyte	Sample No.	3120690	3120691	3120692	3120693
	Site Code Units				
Coliert (2000) - E.coli MPN Coliert	orgs/100mL	0	0	0	0
Ps aeruginosa - Pseudomonas aeruginosa	orgs/100mL	0	0	<10	<10