



Shaping the Future

Our Ref: 212163.6Report13.1

12 September 2012

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Water Monitoring Results - RTGs Week of 03 September 2012

Dear [REDACTED]

I am writing in relation to water quality testing reports received from the CFA from the Regional Training Grounds (RTG) in the week starting 03 September 2012. We received data from only one RTG, Bangholme, for this period.

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 report the following results:

Bangholme: indicates that the adopted water quality criterion during this investigation for E.coli was exceeded in the concrete tank (Report number 322524, Sampled 23 August 2012), but not in other on-site water storages¹. Retesting of water quality was conducted on (Report number 324343, Sampled 06 September 2012). The results from the latest round of testing indicate that there are no water quality issues that would make the water unsuitable for use in fire fighting training.

Yours faithfully
Cardno Lane Piper Pty Ltd

Giorgio De Nola
Senior Environmental Chemist

Approved:

Anthony P. Lane
Senior Principal

Enclosed:

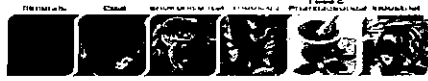
NATA Certified Laboratory Reports:

- **Bangholme:** ALS Report number: 322524 – sample date 23 August 2012
- **Bangholme:** ALS Report number: 324343 – sample date 06 September 2012

¹ The criterion for E.coli in the water management plan from Bangholme for E. coli is set at <150 organisms per 100 mL however an interim criterion of 10 organisms per 100 mL has been adopted for all CFA sites during the current investigation.



Environmental Division (Water Resources Group)



CERTIFICATE OF ANALYSIS

Batch No:	12-37611	<i>Page</i>	Page 1 of 2
<i>Final Report</i>	322524	<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>	Carmin DePalma Client Manager Carmin.DePalma@alsglobal.com
<i>PO No:</i>	Not Available	<i>Date Sampled:</i>	23-Aug-2012
<i>Sampler Name:</i>		<i>Date Samples Received:</i>	23-Aug-2012
<i>ALS Program Ref:</i>	CFA	<i>Date Issued:</i>	29-Aug-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>
Joel Nicholson	Analyst	Natacha Begue	Microbiologist

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: 12-37611
 Report Number: 322524
 Client: CFA
 ALS Program Ref: CFA
 Program Description: Miscellaneous Analyses



Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
3152549		Concrete Tank	WATER	23/08/12
3152550		Green Flammable Tank	WATER	23/08/12
3152551		South Megalitre Tank	WATER	23/08/12
3152552		North Megalitre Tank	WATER	23/08/12

Analysis - Analyte	Sample No.	3152549	3152550	3152551	3152552
	Site Code Units				
Colilert (2000) - E.coli MPN Colilert	orgs/100mL	12	0	0	0
Ps aeruginosa - Pseudomonas aeruginosa	orgs/100mL	0	0	0	0



Environmental Division (Water Resources Group)

CERTIFICATE OF ANALYSIS

Batch No:	12-39508	<i>Page</i>	Page 1 of 2
<i>Final Report</i>	324343	<i>Laboratory</i>	Scoresby Laboratory
<i>Client:</i>	CFA	<i>Address</i>	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>	Carmin DePalma Client Manager Carmin.DePalma@alsglobal.com
<i>PO No:</i>	Not Available	<i>Date Sampled:</i>	06-Sep-2012
<i>Sampler Name:</i>		<i>Date Samples Received:</i>	06-Sep-2012
<i>ALS Program Ref:</i>	CFA	<i>Date Issued:</i>	11-Sep-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>
Colliert (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>
Natacha Begue	Microbiologist	Tanya Dukhno	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.

Page: Page 2 of 2
 Batch No: 12-39508
 Report Number: 324343
 Client: CFA
 ALS Program Ref: CFA
 Program Description: Miscellaneous Analyses



Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
3169202		Concrete Tank	WATER	06/09/12
3169203		Green Flammable Tank	WATER	06/09/12
3169204		South Megalitre Tank	WATER	06/09/12
3169205		North Megalitre Tank	WATER	06/09/12

	Sample No. Site Code Units	3169202	3169203	3169204	3169205
Analysis - Analyte					
Colilert (2000) - E.coli MPN Colilert	orgs/100mL	0	0	0	0
Ps aeruginosa - Pseudomonas aeruginosa	orgs/100mL	0	0	0	0