

Our Ref: 212163.6Report27.1

6 December 2012

Country Fire Authority
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Water Monitoring Results - Bangholme RTG Date Received: 3 December 2012

I am writing in relation to water quality data received 3 December 2012 from the CFA for the Bangholme RTG. Water used in fire-fighting training was sampled on 28 November 2012 and the report was issued on 3 December 2012.

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 Tank¹.

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



Senior Environmental Chemist

Approved:



Senior Principal

Enclosed:

NATA Certified Laboratory Reports:

- ALS Report number: 338240 – sample date 28 November 2012

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: | 12-52954 | <i>Page</i> | Page 1 of 2 |
| <i>Final Report</i> | 338240 | <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] <small>al.com</small> |
| <i>PO No:</i> | Not Available | <i>Date Sampled:</i> | 28-Nov-2012 |
| <i>Sampler Name:</i> | | <i>Date Samples Received:</i> | 28-Nov-2012 |
| <i>ALS Program Ref:</i> | CFA | <i>Date Issued:</i> | 03-Dec-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) | 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

| | | | |
|------------|---------------------------------------|------------|--------------------------------------------------|
| [REDACTED] | <i>Title</i> Microbiologist | [REDACTED] | <i>Title</i> 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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RIGHT SOLUTIONS RIGHT PARTNER

Page: Page 2 of 2
 Batch No: 12-52954
 Report Number: 338240
 Client: CFA
 ALS Program Ref: CFA
 Program Description: Miscellaneous Analyses



| Sample No | Site Code | Site Description | Sample Type | Sampled Date/Time |
|-----------|-----------|----------------------|-------------|-------------------|
| 3273195 | | Concrete Tank | WATER | 28/11/12 |
| 3273196 | | Flammable Tank | WATER | 28/11/12 |
| 3273197 | | South Megalitre Tank | WATER | 28/11/12 |
| 3273198 | | North Megalitre Tank | WATER | 28/11/12 |

| Analysis - Analyte | Sample No. | 3273195 | 3273196 | 3273197 | 3273198 |
|----------------------------------------|--------------------|---------|---------|---------|---------|
| | Site Code Units | | | | |
| Colilert (2000) - E.coli MPN Colilert | orgs/100mL | 80 | 0 | 0 | 0 |
| Ps aeruginosa - Pseudomonas aeruginosa | orgs/100mL | 0 | 0 | 0 | 0 |