



Shaping the Future

Our Ref: 212163.6Report17.1

03 October 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 - Fiskville
Date Received: 3 October 2012

I am writing in relation to water quality data received 3 October 2012 from the CFA for Fiskville. Water used in training, sourced from 'The Red Pipe - Pit', was sampled on 20 September 2012 and the report was issued on 3 October 2012. Water was also sampled from a second location, Dam 2. It is noted that water from Dam 2 is not currently being used in training.

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 in the context of the Water Management Plan for Fiskville and we can report that:

- The water sample collected on 20 September 2012 (CHW report Number 12/4512) exceeded the criterion for suspended solids.
- The control actions, as outlined in the Water Management Plan for Fiskville, were implemented after the sampling performed 20 September 2012. This included cleaning out the WS Pit and refilling with town water on 27 September 2012.

We note that suspended solids is a water quality criterion typically used as an indicator of the efficiency of water treatment processes, an aesthetic parameter and an indicator of potential ecological effects. It is not a direct indicator of potential human health effects. The exceedence of this criterion does not imply any threat to the health of fire-fighter trainees or supervisors.

The water in the WS Pit remains suitable for use because it has been emptied, cleaned then refilled with mains water since 20 September 2012 and suspended solids is not a direct indicator of human health effects.

Yours faithfully
Cardno Lane Piper Pty Ltd

Approved:

Senior Environmental Chemist

Senior Principal

Enclosed:
NATA Certified Laboratory Reports:

Australia • Belgium • Canada • Ecuador • Germany • Indonesia • Italy • Kenya •
New Zealand • Papua New Guinea • Peru • Tanzania • United Arab Emirates •
United Kingdom • United States • Operations in 85 countries

- CHW Report number: 12/4512 – sample date 20 September 2012

CENTRAL HIGHLANDS WATER - LABORATORY SERVICES

7 Learmonth Rd. Wendouree, PO Box 152, Ballarat 3353 ABN: 75 224 340 348
Telephone: 03 5320 3194 Facsimile: 03 5320 3198

TEST REPORT

Laboratory Report No: 12/4512

Client: CFA Training College - Fiskeville
Ballan - Geelong Road
FISKEVILLE VIC 3342

Attention: 

Date Received: 20/09/12

Job Description: CFA Training Centre Fiskville

LAB. No.	SAMPLE	SAMPLED
12/4512-1	Red Pipe - Pit	20/09/2012
12/4512-2	Dam 2	20/09/2012

Test Description	Method	Units	12/4512-1	12/4512-2
BODs	CHW - BOD	mg/L	<5	10
E. coli - Colifert	CHWM.08	MPN/100mL	0	2
Electrical Conductivity @ 25°C	CHW - EC	µS/cm	380	380
Oil & Grease at ALS		mg/L	<5	<5
pH	CHW - pH	Units	8.5	8.1
Ps. aeruginosa	CHWM.07	cfu/100mL	0	<10
Phosphorus - Total (Low)	CHW - TotP	mg/L	0.11	0.67
Suspended Solids	CHW - SS	mg/L	12	26
Total Kjeldahl Nitrogen (as N)	CHW - TKN	mg/L	0.5	2.3
Total Oxidised Nitrogen (as N)	CHW - Ox.N	mg/L	0.69	0.01

Analytical methods for chemical analyses in accordance with Central Highlands Water Laboratory Chemistry Methods (2008).
Analytical methods for microbiological analyses in accordance with Central Highlands Water Microbiology Methods Manual (2008).
NATA Accreditation Number: 1935 Corporate Site Numbers: Chemistry 1928, Microbiology 1932

Comments

Samples as received.

Bacteriological analysis performed on day of receipt.

O&G analysis performed at ALS, Accreditation No. 992.

Refer ALS Report No. 328251.

Signed 

Report Date: 3 October 2012

Name

Chemistry

Microbiology

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