



Shaping the Future

Our Ref: 212163.6Report14.2

27 September 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 Week of 17 September 2012

I am writing in relation to water quality data received from the CFA for Fiskville in the week starting 17 September 2012.

These test reports, derived from the water monitoring program set out in CFA's Water Management Plans, report data that have been tested using 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:

- A water sample collected on 11 September 2012 (CHW report Number 12/4337) exceeded the criterion for suspended solids.
- The control actions, as outlined in the Water Management Plan for Fiskville, should be implemented. These include cleaning out the Water Supply Pit and filling it with town water within a month of date on this letter. We have been advised that this is programmed for immediate action based on our initial verbal advice to CFA on this matter.
- The suspended solids, which are not a critical parameter for OHS, seem to be derived from runoff from the unsealed ground adjacent to the Pit. Plans should be made to devise options to minimise this surface runoff water entering the Pit. A Cardno Lane Piper representative will be on site on Friday 28 September 2012 to advise on this issue.
- 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 minor exceedence of this criterion does not imply any threat to the health of fire-fighter trainees or supervisors. Therefore the water in the WS Pit remains suitable for use.

Yours faithfully
Cardno Lane Piper Pty Ltd

Giorgio De Nola
Senior Environmental Chemist

Approved:

Anthony P. Lane
Senior Principal

Enclosed:

NATA Certified Laboratory Reports:

- CHW Report number: 12/4337 – sample date 11 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: 12/4337

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

Date Received: 11/09/12

Job Description: CFA Training Centre Fiskville

LAB. No.	SAMPLE	SAMPLED
12/4337-1	Red Pipe - Pit	11/09/2012
12/4337-2	Dam 2	11/09/2012

Test Description	Method	Units	12/4337-1	12/4337-2
BODs	CHW-BOD	mg/L	<5	10
E. coli - Colilert	CHWM.08	MPN/100mL	2	0
Electrical Conductivity @ 25°C	CHW-EC	µS/cm	350	400
Oil & Grease at ALS		mg/L	<5	<5
pH	CHW-pH	Units	7.8	8.7
Ps. aeruginosa	CHWM.07	cfu/100mL	0	<10
Phosphorus - Total (Low)	CHW-TotP	mg/L	0.10	0.55
Suspended Solids	CHW-SS	mg/L	6	27
Total Kjeldahl Nitrogen (as N)	CHW-TKN	mg/L	0.6	2.2
Total Oxidised Nitrogen (as N)	CHW-Ox.N	mg/L	0.66	<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 by ALS, Accreditation No. 992.
Refer ALS Report No. 326364.

Signed

Report Date: 21 September 2012

Name

Chemistry

Microbiology

Page 1 of 1

This report is not to be reproduced except in full.