

Our Ref: 212163.6Report06.1

09 August

Country Fire Authority
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East Burwood Vic 3151

Cardno Lane Piper Pty Ltd
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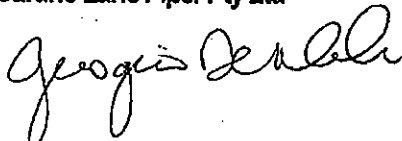
**Water Monitoring Results - Fiskville
Week of 06 August July 2012**

Water quality data has been received from the CFA for Fiskville in the week starting 06 August 2012.

These test reports have 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 can report that the results do not indicate any water quality issues that would make the water from 'The Pit' or back up line 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:

- CHW Report number: 12/3662 – sample date 01 August 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: 12/3662

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

Attention: [REDACTED]

Date Received: 1/08/12

Job Description: CFA Training Centre Fiskville

| LAB. No. | SAMPLE | SAMPLED |
|-----------|---------------------------|-----------|
| 12/3662-1 | Red Pipe - Pit | 1/08/2012 |
| 12/3662-2 | White Pipe - Back up line | 1/08/2012 |
| 12/3662-3 | Dam 1 | 1/08/2012 |
| 12/3662-4 | Dam 2 | 1/08/2012 |
| 12/3662-5 | Dam 3 | 1/08/2012 |
| 12/3662-6 | Dam 4&5 | 1/08/2012 |

| Test Description | Method | Units | 12/3662-1 | 12/3662-2 | 12/3662-3 | 12/3662-4 | 12/3662-5 |
|--------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| BOD ₅ | CHW-BOD | mg/L | <5 | <5 | 120 | 10 | <5 |
| Electrical Conductivity @ 25°C | CHW-EC | µS/cm | 480 | 450 | 390 | 400 | 500 |
| pH | CHW-pH | Units | 7.9 | 7.5 | 7.2 | 7.3 | 8.4 |
| Phosphorus - Total (Low) | CHW-Tot P | mg/L | 0.035 | 0.10 | 1.1 | 0.46 | 0.10 |
| Suspended Solids | CHW-SS | mg/L | 4 | 5 | 38 | 14 | 3 |
| Total Kjeldahl Nitrogen (as N) | CHW-TKN | mg/L | 0.7 | 0.9 | 2.8 | 2.6 | 1.1 |
| Total Oxidised Nitrogen (as N) | CHW-Ox.N | mg/L | 0.55 | 0.77 | 0.03 | 0.01 | 0.01 |
| Oil & Grease at ALS | | mg/L | <5 | <5 | <5 | <5 | <5 |
| Ps. aeruginosa | CHWM.07 | cfu/100mL | 0 | 0 | <10 | <10 | <10 |
| E. coli - Collert | CHWM.08 | MPN/100mL | 0 | 0 | 22 | 2 | 43 |

CENTRAL HIGHLANDS WATER - LABORATORY SERVICES

7 Learmonth Rd. Wendouree, PO Box 152, Ballarat 3353
Telephone: 03 5320 3194 Facsimile: 03 5320 3198

Laboratory Report No: 12/3662

| Test Description | Method | Units | 12/3662-6 |
|--------------------------------|-----------|-----------|-----------|
| BODs | CHW-BOD | mg/L | 5 |
| Electrical Conductivity @ 25°C | CHW-EC | µS/cm | 250 |
| pH | CHW-pH | Units | 7.0 |
| Phosphorus - Total (Low) | CHW-Tot P | mg/L | 0.16 |
| Suspended Solids | CHW-SS | mg/L | 7 |
| Total Kjeldahl Nitrogen (as N) | CHW-TKN | mg/L | 2.5 |
| Total Oxidised Nitrogen (as N) | CHW-Ox.N | mg/L | 1.0 |
| Oil & Grease at ALS | | mg/L | <5 |
| Ps. aeruginosa | CHWM.07 | cfu/100mL | <10 |
| E. coli - Colilert | CHWM.08 | MPN/100mL | 240 |

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. 318940.

Signed 

Report Date: 9 August 2012

Name

Chemistry

Microbiology

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