



Shaping the Future

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Our Ref: 212163.6Report10.1

28 August 2012

Country Fire Authority
8 Lakeside Drive
East Burwood Vic 3151

[REDACTED]
[REDACTED]

Water Monitoring Results - Fiskville Week of 20 August 2012

Dear [REDACTED]

I am writing in relation to water quality data received from the CFA for Fiskville in the week starting 20 August 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 the 14 August 2012 (CHW report Number 12/3890) exceeded the criterion for suspended solids. However, a water sample collected on the 20 August 2012 (CHW report Number 12/3982) did not exceed this criterion.
- The suspended solids, which are not a critical parameter for OHS, seem to be derived from runoff from the unsealed ground adjacent to the WS Pit. Plans should be made to devise options to minimise this surface runoff water entering the WS Pit.
- Water from the WS Pit filled from mains water supply can continue to be used for fire-fighting training purposes.

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: 12/3890 – sample date 14 August 2012
- CHW Report number: 12/3982 – sample date 21 August 2012 (interim report)

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: 12/3890

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

Attention: [REDACTED]

Date Received: 14/08/12

Job Description: CFA Training Centre Fiskville

LAB. No.	SAMPLE	SAMPLED
12/3890-1	Red Pipe - Pit	14/08/2012
12/3890-2	White Pipe - Back-up Line	14/08/2012
12/3890-3	Dam 2	14/08/2012

Test Description	Method	Units	12/3890-1	12/3890-2	12/3890-3
BODs	CHW - BOD	mg/L	<5	<5	10
E. coli - Collert	CHWM.08	MPN/100mL	0	0	0
Electrical Conductivity @ 25°C	CHW - EC	µS/cm	440	480	400
Oil & Grease at ALS		mg/L	<5	<5	<5
pH	CHW - pH	Units	7.8	7.5	8.2
Ps. aeruginosa	CHWM.07	cfu/100mL	0	0	<10
Phosphorus - Total (Low)	CHW - TotP	mg/L	0.12	0.050	0.62
Suspended Solids	CHW - SS	mg/L	7	2	25
Total Kjeldahl Nitrogen (as N)	CHW - TKN	mg/L	0.7	0.9	3.4
Total Oxidised Nitrogen (as N)	CHW - Ox.N	mg/L	0.79	0.40	0.08

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. 322018.

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: 12/3890

Signed

Report Date: 27 August 2012

Name

Chemistry

Microbiology

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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: 12/3982

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

Attention: [REDACTED]

Date Received: 21/08/12

Job Description: CFA Training Centre Fiskville

LAB. No.	SAMPLE	SAMPLED
12/3982-1	Red Pipe - Pit	21/08/2012
12/3982-2	White Pipe - Back Up Line	21/08/2012
12/3982-3	Dam 2	21/08/2012

Test Description	Method	Units	12/3982-1	12/3982-2	12/3982-3
Ps. aeruginosa	CHWM.07	cfu/100mL	0	0	<10
E. coli - Colilert	CHWM.08	MPN/100mL	1	0	0
BODs	CHW - BOD	mg/L			
Electrical Conductivity @ 25°C	CHW - EC	µS/cm	450	500	400
Oil & Grease at ALS		mg/L			
pH	CHW - pH	Units	8.0	7.7	8.3
Phosphorus - Total (Low)	CHW - TotP	mg/L	0.18	0.18	0.74
Suspended Solids	CHW - SS	mg/L	4	2	38
Total Kjeldahl Nitrogen (as N)	CHW - TKN	mg/L	0.4	0.9	3.3
Total Oxidised Nitrogen (as N)	CHW - Ox.N	mg/L	0.81	0.01	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.

NOTE: This is an INTERIM REPORT. The hard copy will follow in the mail.

Signed

Report Date: 28 August 2012

Name

Chemistry

Microbiology

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