

Estimates Committee 2010
Questions Taken On Notice

(11/06/2010 to 18/06/2010)

Date: 11/06/2010

Output:

Sub Output:

Subject: Parliament House legionella readings

From: Mr Terry Mills to Speaker Jane Aagaard
Department of the Legislative Assembly

2-12

Question:

I ask for the tabling of the reports that verify that there are no readings of Legionella that are over 100 000 cfu and that will do.

Answer:

Answered On: 16/06/2010

Certificate of Analysis

AECOM Australia P/L-NT
 SUITE 3 17-19 Lindsay St
 Darwin
 NT 0801



NATA Accredited
 Laboratory Number 1645

The tests covered by this document have been performed in accordance with NATA and ISO/IEC 17025 and are traceable to national standards of measurement. This document shall not be reproduced, except in full.

Attention: (

Project 265065
 Client Reference COOLING TOWER
 Received Date May 18, 2010

Customer Sample ID	CT1		
Sample Matrix	Water		
Labmark Sample No.	10-MY58516		
Date Sampled	May 17, 2010		
Test/Reference	PQL	Unit	
Heterotrophic Colony Count	-	cfu/mL	< 100
Total Legionellae	-	cfu/mL	< 10

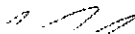
Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.

Description	Testing Site	Extracted	Analysed
Heterotrophic Colony Count	Clayton	May 18, 2010	May 18, 2010
- Method: 6632: Heterotrophic Colony Count - Pour Plate 36 degrees C 48 hours			
Total Legionellae	Clayton	May 18, 2010	May 18, 2010
- Method: 6600: Legionellae in Water AS/NZS3896:2008			

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Organic samples had Teflon liners	No
Samples received with Zero Headspace	Yes
Samples received within HoldingTime	
Some samples have been subcontracted	



Authorised By

'



NATA Signatory

This Report has been authorised by

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

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Facsimile – Strictly Confidential

Date: 06/05/10	Total pages: 1
To:	Fax Number: 08 8981 4565
Company: AECOM	Location:
From: LABMARK ENVIRONMENTAL LABORATORIES, MICROBIOLOGY	
Subject: POSITIVE LEGIONELLA RESULT(S)	

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POSITIVE LEGIONELLA RESULT(S)				
Sample ID	Sample Description	Date Sampled	Result to Date *	Read at (days)
10ENME0009500/1	CT 1	30/04/10	100 LEPN 2 - 14	4 DAYS
10ENME0009500/2	CT 2	30/04/10	10 LEPN 2 - 14	4 DAYS
10ENME0009500/3	CT 3	30/04/10	10 LEPN 2 - 14	4 DAYS
10ENME0009500/4	CT 4	30/04/10	10 LEPN 2 - 14	4 DAYS
10ENME0009500/5	QA/QC1	30/04/10	100 LEPN 2 - 14	4 DAYS

* *LEPN1 = Legionella pneumophila Type 1; LEPN 2-14 = Legionella pneumophila Type 2-14*
LESP = Legionella species, but not L.pneumophila.

The above counts have been confirmed and typed. Note that additional organisms may be detected and confirmed from the 7th day reading.

**LABMARK ENVIRONMENTAL
MICROBIOLOGY**



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Accreditation Number: 1645



ENVIRONMENTAL LABORATORIES

Certificate of Analysis

Aecom Australia Pty. Ltd
Suite 3, 17-19 Lindsay St
Darwin NT 0801
Australia

Attention:

Project 10ENME0009500
Client Reference T2003203
Cooling Tower Water Samples
Order Number 1600198
Received Date 01/05/2010 09:00:00 AM

Customer Sample ID	CT 1	CT 2	CT 3	CT 4	QA/QC 1
Sample Matrix	C_TOWER	C_TOWER	C_TOWER	C_TOWER	C_TOWER
Labmark Sample No.	1997992	1997993	1997994	1997995	1997996
Date Sampled	30/04/2010	30/04/2010	30/04/2010	30/04/2010	30/04/2010
Micro					
Test/Reference	PQL	Unit			
6600 Legionellae AS3896:2008					
Legionella pneumophila serogroup 1	-	orgs/1mL	<10	<10	<10
Legionella pneumophila serogroup 2-14	-	orgs/1mL	100	10	10
Legionella spp. (unidentified)	-	orgs/1mL	<10	<10	<10
Total legionellae	-	orgs/1mL	100	10	10
6632 Heterotrophic Colony Count					
Heterotrophic Colony Count 36°C 48 hours	-	CFU/mL	220000	210000	240000

Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.

Description	Testing Site	Extracted	Analysed
6600 Legionellae	Melbourne 1645	N/A	07/05/2010
6632 Heterotrophic Colony Count	Melbourne 1645	N/A	03/05/2010

Sample Integrity

Attempt to Chill was evident Yes
Samples correctly preserved Yes
Samples received with Headspace Yes
Samples received within HoldingTime Yes
Some samples have been subcontracted No

Authorised By

Niloufer Lobo Team Leader Microbiology. Accreditation Number: 1645
Nisha Nesendran Analyst Microbiology Accreditation Number: 1645

Laboratory Manager

Laboratory Manager

Final Report

This report replaces report numbers 482973, 482935.



Certificate of Analysis

Aecom Australia Pty. Ltd
Suite 3, 17-19 Lindsay St
Darwin NT 0801
Australia

Attention: (

Project 10ENME0008426
Client Reference T2003203 PARLIAMENT HOUSE
COOLING TOWER WATER SAMPLES
Order Number 1600198
Received Date 31/03/2010 09:14:00 AM

Customer Sample ID	CT1	CT2	CT3	CT4	QA/QC 1
Sample Matrix	C_TOWER	C_TOWER	C_TOWER	C_TOWER	C_TOWER
Labmark Sample No.	1979100	1979101	1979102	1979103	1979104
Date Sampled	30/03/2010	30/03/2010	30/03/2010	30/03/2010	30/03/2010
Micro					
Test/Reference	PQL	Unit			
6600 Legionellae AS3896:2008					
Total legionellae	-	orgs/1mL	<10	<10	<10
6632 Heterotrophic Colony Count					
Total Plate Count 36oC 48 hours	-	CFU/mL	2800 est.	6300 est.	6800 est.
			11000 est.	10000 est.	

Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.

Description	Testing Site	Extracted	Analysed
6600 Legionellae	Melbourne 1645	N/A	07/04/2010
6632 Heterotrophic Colony Count	Melbourne 1645	N/A	06/04/2010

Sample Integrity

Attempt to Chill was evident	Yes
Samples correctly preserved	Yes
Samples received with Headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Authorised By

Niloufer Lobo Team Leader Microbiology. Accreditation Number: 1645
Nisha Nesendran Analyst Microbiology Accreditation Number: 1645

Laboratory Manager

Laboratory Manager - (

Final Report

This report replaces report number 480249.

- Indicates Not Requested * Indicates NATA accreditation does not cover the performance of this service

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The samples were not collected by Laboratory staff.



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Certificate of Analysis

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Suite 3, 17-19 Lindsay St
Darwin NT 0801
Australia

Attention: (

Project 10ENME0007451
Client Reference T2003203
COOLING TOWER WATER
Order Number 1600198
Received Date 04/03/2010 08:39:00 AM

Customer Sample ID		CT 1	CT 2	CT 3	CT 4	QA/QC 1
Sample Matrix		C_TOWER	C_TOWER	C_TOWER	C_TOWER	C_TOWER
Labmark Sample No.		1960577	1960578	1960579	1960580	1960581
Date Sampled		03/03/2010	03/03/2010	03/03/2010	03/03/2010	03/03/2010
Micro						
Test/Reference	PQL Unit					
6600 Legionellae AS3896:2008						
Total legionellae	- orgs/1mL	<10	<10	<10	<10	<10
6632 Heterotrophic Colony Count						
Heterotrophic Colony Count 36°C 48 hours	- CFU/mL	360000	99000	740000	14000 est.	520000

Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.

Description	Testing Site	Extracted	Analysed
6600 Legionellae	Melbourne 1645	N/A	11/03/2010
6632 Heterotrophic Colony Count	Melbourne 1645	N/A	09/03/2010

Sample Integrity

Attempt to Chill was evident	Yes
Samples correctly preserved	Yes
Samples received with Headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Authorised By

Niloufer Lobo Team Leader Microbiology. Accreditation Number: 1645
Nisha Nesendran Analyst Microbiology Accreditation Number: 1645

Laboratory Manager

[Signature]

Laboratory Manager - [Signature]

Final Report

This report replaces report number 477446.

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The samples were not collected by Laboratory staff.

First Reported: 9 March 2010

LabMark 1868 Dandenong Rd Clayton VIC Australia 3168

Page 1 of 1

Date Printed: 11 March 2010

ABN: 99 141 770 881 Telephone: 1300 052 262 Facsimile: (03) 9265 9355

Final Report Number: 477811



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Accreditation Number: 14278



ENVIRONMENTAL LABORATORIES

Certificate of Analysis

Aecom Australia Pty. Ltd
Suite 3, 17-19 Lindsay St
Darwin NT 0801
Australia

Attention:

Project 10ENME0003977
Client Reference T2003203
COOLING TOWER WATER SAMPLE
Order Number 1600198
Received Date 28/01/2010 08:36:00 AM

Customer Sample ID	CT 1	CT 2	CT 3	CT4	QA/QC1
Sample Matrix	C_TOWER	C_TOWER	C_TOWER	C_TOWER	C_TOWER
Labmark Sample No.	1924263	1924264	1924265	1924266	1924267
Date Sampled	27/01/2010	27/01/2010	27/01/2010	27/01/2010	27/01/2010
Micro					
Test/Reference	PQL	Unit			
6600 Legionellae AS3896:2008					
Total legionellae	-	orgs/1mL	<10	<10	-
Legionella pneumophila serogroup 1	-	orgs/1mL	-	<10	<10
Legionella pneumophila serogroup 2-14	-	orgs/1mL	-	10	20
Legionella spp. (unidentified)	-	orgs/1mL	-	<10	<10
Total legionellae	-	orgs/1mL	-	10	20
6632 Heterotrophic Colony Count					
Heterotrophic Colony Count 36°C 48 hours	-	CFU/mL	130 est.	660	120 est. 240 est. <100 est.

Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.

Description	Testing Site	Extracted	Analysed
6600 Legionellae	Melbourne 14278	N/A	04/02/2010
6632 Heterotrophic Colony Count	Melbourne 14278	N/A	01/02/2010

Sample Integrity

Attempt to Chill was evident Yes
Samples correctly preserved Yes
Samples received with Headspace Yes
Samples received within HoldingTime Yes
Some samples have been subcontracted No

Authorised By

Team Leader Microbiology.
Analyst Microbiology

Accreditation Number: 14278
Accreditation Number: 14278

Laboratory Manager

Laboratory Manager -

Final Report

This report replaces report number 471057.



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Certificate of Analysis

Aecom Australia Pty. Ltd
Suite 3, 17-19 Lindsay St
Darwin NT 0801
Australia

Attention:

Project **09ENME0046429**
Client Reference T2003203
Cooling Tower Water Samples
Order Number 1600198
Received Date 15/12/2009 09:00:00 AM

Customer Sample ID	CT 1	CT 2	CT 3	CT 4	QA/QC 1
Sample Matrix	C_TOWER	C_TOWER	C_TOWER	C_TOWER	C_TOWER
Labmark Sample No.	1870461	1870462	1870463	1870464	1870465
Micro					
Test/Reference	PQL	Unit			
6600 Legionellae AS3896:2008					
Total legionellae	-	orgs/1mL	<10	<10	<10
6632 Heterotrophic Colony Count					
Heterotrophic Colony Count 36°C 48 hours	-	CFU/mL	2400	-	2500
Total Plate Count 36oC 48 hours	-	CFU/mL	-	8500 est.	3300 est.

Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.

Description	Testing Site	Extracted	Analysed
6600 Legionellae	Melbourne 14278	N/A	22/12/2009
6632 Heterotrophic Colony Count	Melbourne 14278	N/A	17/12/2009

Sample Integrity

Attempt to Chill was evident	Yes
Samples correctly preserved	Yes
Samples received with Headspace	No
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Authorised By

Team Leader Microbiology.
Analyst Microbiology

Accreditation Number: 14278
Accreditation Number: 14278

Laboratory Manager

Laboratory Manager -

Final Report

This report replaces report number 461078.

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The samples were not collected by Laboratory staff.



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Accreditation Number: 14278



ENVIRONMENTAL LABORATORIES

Certificate of Analysis

Aecom Australia Pty. Ltd
Suite 3, 17-19 Lindsay St
Darwin NT 0801
Australia

Attention:

Project 09ENME0042870
Client Reference T2003203
Cooling Tower Samples
Order Number 1600198
Received Date 24/11/2009 09:00:00 AM

Customer Sample ID	CT 1	CT 2	CT 3
Labmark Sample No.	1835884	1835886	1835888
Date Sampled	23/11/2009	23/11/2009	23/11/2009
Date Analysed	24/11/2009	24/11/2009	24/11/2009
Micro			
Test/Reference	Unit		
6600 Legionellae AS3896:2008			
Total legionellae	orgs/1mL	<10	<10
6632 Heterotrophic Colony Count			
Heterotrophic Colony Count 36°C 48 hours	CFU/mL	-	280
Total Plate Count 36oC 48 hours	CFU/mL	3200 est.	4600 est.

Customer Sample ID	CT 4	QA/QC 1
Labmark Sample No.	1835889	1835890
Date Sampled	23/11/2009	23/11/2009
Date Analysed	24/11/2009	24/11/2009
Micro		
Test/Reference	Unit	
6600 Legionellae AS3896:2008		
Total legionellae	orgs/1mL	<10
6632 Heterotrophic Colony Count		
Total Plate Count 36oC 48 hours	CFU/mL	3800 est.

Sample Integrity

Attempt to Chill was evident Yes
Samples correctly preserved Yes
Samples received with Headspace Yes
Samples received within HoldingTime Yes
Some samples have been subcontracted No

Authorised By

Team Leader Microbiology.
Analyst Microbiology

Accreditation Number:
Accreditation Number:

Laboratory Manager

Laboratory Manager - I



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Accreditation Number: 14278



ENVIRONMENTAL LABORATORIES

Certificate of Analysis

Aecom Australia Pty. Ltd
Suite 3, 17-19 Lindsay St
Darwin NT 0801
Australia

Attention

Project 09ENME0038360
Client Reference T2003203
Cooling Tower Water Samples
Order Number 1600 198
Received Date 28/10/2009 09:20:00 AM

Customer Sample ID		CT 1	CT 2	CT 3
Labmark Sample No.		1795394	1795395	1795396
Date Sampled		27/10/2009	27/10/2009	27/10/2009
Date Analysed		28/10/2009	28/10/2009	28/10/2009
Micro				
Test/Reference	Unit			
6600 Legionellae-AS3896:2008				
Total legionellae	orgs/1mL	<10	<10	<10
6632 Heterotrophic Colony Count				
Total Plate Count 36oC 48 hours	CFU/mL	4500000 est.	5000000 est.	4000000 est.

Customer Sample ID		CT 4	QA/QC 1
Labmark Sample No.		1795397	1795398
Date Sampled		27/10/2009	27/10/2009
Date Analysed		28/10/2009	28/10/2009
Micro			
Test/Reference	Unit		
6600 Legionellae AS3896:2008			
Total legionellae	orgs/1mL	<10	<10
6632 Heterotrophic Colony Count			
Total Plate Count 36oC 48 hours	CFU/mL	4300000 est.	4900000 est.

Sample Integrity

Attempt to Chill was evident Yes
Samples correctly preserved Yes
Samples received with Headspace Yes
Samples received within HoldingTime Yes
Some samples have been subcontracted No

Authorised By

Team Leader Microbiology.

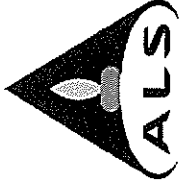
Accreditation Number

Laboratory Manager

Laboratory Manager

Final Report

This report replaces report number 446136.



Food/Pharmaceutical Division

CERTIFICATE OF ANALYSIS

Work Order : **FM0904110**
 Client : **AECOM - DARWIN**
 Contact :
 Address : **Suite 3, 17 - 19 Linndsay Street
 Darwin NT 0801**
 E-mail :
 Telephone : **+61 08 8981 2000**
 Facsimile : **+61 03 8981 4565**
 Project : **AECOM Project No T2003203**
 Order number :
 No. of samples received : **5**
 No. of samples analysed : **5**

Page : **1 of 4**
 Laboratory : **Food/Pharmaceutical Division Melbourne**
 Contact :
 Address : **4 Westall Rd Springvale VIC Australia 3171**
 E-mail :
 Telephone : **+61-3-8549 9000**
 Facsimile : **+61-3-8549 9697**
 Quote number :
 Date Samples Received : **28-AUG-2009**
 Issue Date : **08-SEP-2009**

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results



NATA Accredited Laboratory 1427

This document is issued in accordance with NATA accreditation requirements.

Accredited for compliance with ISO/IEC 17025.

Signatories

This document has been electronically signed by the authorized signatories indicated below. Electronic signing has been carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	Position	Accreditation Category
	Senior Microbiologist	Microbiology





Page : 2 of 4
Work Order : FM0504110
Client : AECOM - DARWIN
Project : AECOM Project No T2003203

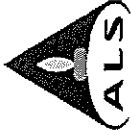
General Comments

The analytical procedures used by the Food and Pharmaceutical Division have been developed from established internationally recognized procedures such as those published by the BP, USP, FCC and AOAC. In-house developed procedures are employed in the absence of documented standards or by client request.

When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client.

- Analysis was performed on 28/08/09 on samples as received
- Heterotrophic colony count was performed as per AS/NZS 4276.3-2, 2003 which incorporates the temperature regime recommended by the Victorian Health Department.
- Where cfu/mL = colony forming units per mL

Page : 3 of 4
 Work Order : FM0904110
 Client : AECOM - DARWIN
 Project : AECOM Project No T2003203

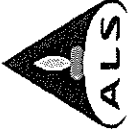


Analytical Results

Reporting Category: WATER

Compound	Client sample ID :		
	Client sampling date / time :	Client sample ID :	
Unit	CT 1	CT 2	CT 3
AS/NZS 3886 - Legionellae	27-AUG-2009 15:00 FM0904110-001	27-AUG-2009 15:00 FM0904110-002	27-AUG-2009 15:00 FM0904110-003
Legionella spp total (37°C/7days)	<10 CFU/mL	<10	<10
AS/NZS 4276.3.2. Heterotrophic colony count	13,000,000 CFU/mL	60,000	390,000
Heterotrophic Plate Count (37°C/48hrs)			

Page : 4 of 4
 Work Order : FM0904110
 Client : AECOM - DARWIN
 Project : AECOM Project No T2003203



Analytical Results

Reporting Category: WATER

Compound	Unit	Client sample ID :	Client sampling date / time :
AS/NZS 3896 - Legionellae	CFU/ml	CT 4	GA/QC 1
Legionella spp total (37°C/7days)	CFU/ml	27-AUG-2009 15:00	27-AUG-2009 15:00
AS/NZS 4276.3.2 Heterotrophic colony count	CFU/ml	FM0904110-004	FM0904110-005
Heterotrophic Plate Count (37°C/48hrs)	CFU/ml	<10	<10
		11,000,000	9,300,000

Test Report



Report No: **09-10276**
 IMC Job Code: ECO70-023B
 Sample(s) Collected: 30 Jul 2009 11:00 am
 Sample(s) Received: 31 Jul 2009 3:13 pm
 Testing Commenced: 31 Jul 2009 3:23 pm
 Report Date: 7 Aug 2009

Attention:
 Ecolab Water Care Service NT
 P O Box 1821
 Palmerston NT 0831



NATA ENDORSED TEST REPORT
 This document is issued in accordance with NATA's accreditation requirements. Accredited for compliance with ISO/IEC 17025. NATA Accredited Laboratory Number 14504.

Samples Collected/Received From: Ecolab NT PHO

Leg Other = Legionella species (other), Lpn SG2-14 = L. pneumophila SG2-14, Lpn SG1 = L. pneumophila SG1, > = greater than, < = less than, est = estimated, cfu = colony forming units, SG = Serogroup, ND = Not Detected.

Note: All test results stated in this report are representative only for that sample of water collected from the nominated sample source for the date shown

Lab Ref:	09-10276	<u>Lpn SG1</u>	<u>Lpn SG2-14</u>	<u>Leg Other</u>
Sample No	Sample Description	cfu/mL Method 10.1.1	cfu/mL Method 10.1.2	cfu/mL Method 10.1.3
1	PHO 1	<10	<10	<10
2	PHO 2	<10	<10	<10
3	PHO 3	<10	<10	<10
4	PHO 4	<10	<10	<10
5	PHO Make Up	<10	<10	<10

B Sc (Hons), MASM
 Senior Microbiologist

Samples Analysed as Received

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Comments
Sample/s analysed outside 24h, client informed.

Test	Level (cfu/mL)	Comment
Legionella (Cooling Water/ Warm Water)	<10	Effective maintenance practices
	10 - 100	Investigate, rectify, monitor and conduct followup testing. Refer to Table 3.1; see References below
	100 - 1,000	Investigate, review current practices, rectify & retest. Refer to Table 3.1; see References below
	>1000	Immediately decontaminate, follow control strategies. Refer to Table 3.1; see References below
Plate Count	See Comment	Levels >100,000 cfu/mL for Cooling Water systems and >100 cfu/mL for Warm Water systems may indicate that maintenance practices are not effective. See References below

Refer to "AS/NZS 3666.3:2000 Table 3.1 and 3.2" and "NSW Code of Practice for the Control of Legionnaires Disease - June 2004 - 2nd ed" to determine control strategies.
 Method Details: SPC (8.1) = AS 4276.3.2, SPC (8.2) = AS 4276.3.1, Legionella (10.1) = AS 3896. Storage of samples according to AS/NZS 2031.2001.
 Water samples must be tested within 24h of collection

HEAD OFFICE: 25 DAKING STREET, NORTH PARRAMATTA, NSW 2151. Phone: 1300 131 405 Fax: 02 9630 1256
LABSERVICES: 19 HUNT STREET, NORTH PARRAMATTA NSW 2151. Email: imc@i-m-c.com.au

Test Report



Report No: **09-09773**
 IMC Job Code: ECO70-023B
 Sample(s) Collected: 16 Jul 2009 12:45 pm
 Sample(s) Received: 17 Jul 2009 12:17 pm
 Testing Commenced: 17 Jul 2009 12:27 pm
 Report Date: 24 Jul 2009

Attention:

Ecolab Water Care Service NT
P O Box 1821
Palmerston NT 0831



NATA ENDORSED TEST REPORT

This document is issued in accordance with NATA's accreditation requirements. Accredited for compliance with ISO/IEC 17025. NATA Accredited Laboratory Number 14504.

Samples Collected/Received From: Ecolab NT
 PHO

Leg Other = Legionella species (other), Lpn SG2-14 = L. pneumophila SG2-14, Lpn SG1 = L. pneumophila SG1, > = greater than, < = less than, est = estimated, cfu = colony forming units, SG = Serogroup, ND = Not Detected.

Note: All test results stated in this report are representative only for that sample of water collected from the nominated sample source for the date shown

Lab Ref:	09-09773	<u>Lpn SG1</u>	<u>Lpn SG2-14</u>	<u>Leg Other</u>
Sample No	Sample Description	cfu/mL Method 10.1.1	cfu/mL Method 10.1.2	cfu/mL Method 10.1.3
1	PHO 1	<10	<10	<10
2	PHO 2	<10	<10	<10
3	PHO 3	<10	<10	<10
4	PHO 4	<10	<10	<10
5	PHO Make Up	<10	<10	<10

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Samples Analysed as Received

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Test	Level (cfu/mL)	Comment
Legionella (Cooling Water/ Warm Water)	<10	Effective maintenance practices
	10 - 100	Investigate, rectify, monitor and conduct followup testing. Refer to Table 3.1; see References below
	100 - 1,000	Investigate, review current practices, rectify & retest. Refer to Table 3.1; see References below
	>1000	Immediately decontaminate, follow control strategies. Refer to Table 3.1; see References below
Plate Count	See Comment	Levels >100,000 cfu/mL for Cooling Water systems and >100 cfu/mL for Warm Water systems may indicate that maintenance practices are not effective. See References below

Refer to "AS/NZS 3666.3:2000 Table 3.1 and 3.2" and "NSW Code of Practice for the Control of Legionnaires Disease - June 2004 - 2nd ed" to determine control strategies.

Method Details: SPC (8.1) = AS 4276.3.2, SPC (8.2) = AS 4276.3.1, Legionella (10.1) = AS 3896. Storage of samples according to AS/NZS 2031:2001. Water samples must be tested within 24h of collection