Estimates Committee 2011

Questions Taken On Notice

(14/06/2011 to 23/06/2011)

Date: 14/06/2011 Output:
Sub Output:

Subject: Testing of Parliament House Cooling Towers for Legionella

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

2-3

Question: Could you please table the results of the testing of the Parliament House cooling towers for Legionella, the monthly tests?

Answer:

Answered On: 23/06/2011

Estimates Committee Questions on Notice to the Speaker

Question 2.3

Testing of Parliament House Cooling Towers for Legionella
From Mr Terry Mills to Speaker Jane Aagaard
Department of the Legislative Assembly

Mr MILLS: Could you please table the results of the testing of the Parliament House cooling towers for Legionella, the monthly tests?

Answer

Laboratory testing of the Parliament House cooling towers is undertaken on behalf of the Legislative Assembly by Lab Mark Environmental Laboratories which is engaged by the Department of Construction and Industry.

The results of the tests undertaken for the months July to April 2011 indicated legionella results as <10 which effectively indicates legionella is not present.

Attached are the monthly reports for July to April.

The testing intended to occur in February 2011 was delayed by the advent of Tropical Cyclone Carlos and the result for March is the indicative result.

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SUITE 3 17-19 Lindsay St
Darwin
NT 0801

Attention: CHANTAL.WILSON

NATA Accredited
Laboratory Number 1645

The tests covered by this document have been performed in accordance with NATA and ISO/IES 17025 and are traceable to national standards of measurement.

Project	271598
Client Reference	60145322 (Cooling Tower)
Received Date	Jul 28, 2010

Customer Sample ID			**CT 1**	**CT 2**	**CT 3**	**CT 4**
Sample Matrix			**Water**	**Water**	**Water**	**Water**
mgt-Labmark Sample No.			**10-JL25703**	**10-JL25704**	**10-JL25705**	**10-JL25706**
Date Sampled			**Jul 27, 2010**	**Jul 27, 2010**	**Jul 27, 2010**	**Jul 27, 2010**
Test/Reference	PQL	Unit				
Heterotrophic Colony Count	-	cfu/mL	<100	<100	<100	<100
Total Legionellae	-	cfu/mL	<10	<10	<10	<10

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Attention: CHANTAL.WILSON

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Project	274389
Client Reference	COOLING TOWER 60145322
Received Date	Aug 25, 2010

Client Sample ID			**CT 1**	**CT 2**	**CT 3**	**CT 4**
Sample Matrix			**Water**	**Water**	**Water**	**Water**
mgt-Labmark Sample No.			**10-AU22896**	**10-AU22897**	**10-AU22898**	**10-AU22899**
Date Sampled			**Aug 24, 2010**	**Aug 24, 2010**	**Aug 24, 2010**	**Aug 24, 2010**
Test/Reference	PQL	Unit				
Micro - Cooling Tower Screen						
Heterotrophic Colony Count	-	cfu/mL	<100	<100	<100	<100
Total Legionellae	-	cfu/mL	<10	<10	<10	<10

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Project	278046
Client Reference	COOLING TOWER(60145322)
Received Date	Sep 29, 2010

Client Sample ID			**CT 1**	**CT 2**	**CT 3**	**CT 4**
Sample Matrix			**Water**	**Water**	**Water**	**Water**
mgt-LabMark Sample No.			**10-Se24059**	**10-Se24060**	**10-Se24061**	**10-Se24062**
Date Sampled			**Sep 28, 2010**	**Sep 28, 2010**	**Sep 28, 2010**	**Sep 28, 2010**
Test/Reference	PQL	Unit				
Heterotrophic Colony Count	-	cfu/mL	~120	<100	<100	~100
Total Legionellae	-	cfu/mL	<10	10	<10	<10
Legionella Serogroups						
L.pneumophila, serogroup 1	-	cfu/mL	-	<10	-	-
L.pneumophila, serogroup 2-14	-	cfu/mL	-	10	-	-
Legionellae, Other Species	-	cfu/mL	-	<10	-	-

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Report	**279658**
Client Reference	COOLING TOWER (60145322)
Received Date	Oct 14, 2010

Client Sample ID			**CT1**	**CT 2**	**CT 3**	**CT 4**
Sample Matrix			**Water**	**Water**	**Water**	**Water**
mgt-LabMark Sample No.			**10-Oc21862**	**10-Oc21863**	**10-Oc21864**	**10-Oc21865**
Date Sampled			**Oct 13, 2010**	**Oct 13, 2010**	**Oct 13, 2010**	**Oct 13, 2010**
Test/Reference	PQL	UNIT				
Micro - Cooling Tower Screen						
Heterotrophic Colony Count	-	cfu/mL	<100	<100	<100	<100
Total Legionellae	-	cfu/mL	<10	<10	<10	<10

Client Sample ID			**WATER FOUNTAIN**	**WATER OUTLET**	**QA/QC 1**
Sample Matrix			**Water**	**Water**	**Water**
mgt-LabMark Sample No.			**10-Oc21866**	**10-Oc21867**	**10-Oc21868**
Date Sampled			**Oct 13, 2010**	**Oct 13, 2010**	**Oct 13, 2010**
Test/Reference	PQL	UNIT			
Micro - Cooling Tower Screen					
Heterotrophic Colony Count	-	cfu/mL	<100	<100	<100
Total Legionellae	-	cfu/mL	<10	<10	<10

Sample History

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

Description	Testing Site	Extracted	Holding Time
Micro - Cooling Tower Screen	Clayton	Oct 14, 2010	24 Hour

- Method: 6632: Heterotrophic Colony Count - Pour Plate 36 degrees C 48 hours
- Method: 6600:Legionellae in Water AS/NZS3896:2008

Comments

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	No
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Authorised By

Glenn Jackson
NATA Signatory

This Report has been authorised by Nifoufer Lobo (NATA Signatory - Accreditation #1645).

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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Laboratory Number 1645

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Report	**283344**
Client Reference	COOLING TOWER 60145322
Received Date	Nov 23, 2010

Client Sample ID			**CT1**	**CT2**	**CT3**	**CT 4**
Sample Matrix			**Water**	**Water**	**Water**	**Water**
mgt-LabMark Sample No.			**10-No21386**	**10-No21387**	**10-No21388**	**10-No21389**
Date Sampled			**Nov 22, 2010**	**Nov 22, 2010**	**Nov 22, 2010**	**Nov 22, 2010**
Test/Reference	PQL	UNIT				
Micro - Cooling Tower Screen						
Heterotrophic Colony Count	-	cfu/mL	120000	180000	~4500	2200
Total Legionellae	-	cfu/mL	<10	<10	<10	<10

Client Sample ID			**WATER FOUNTAIN**	**WATER OUTLET**	**QA/QC 1**
Sample Matrix			**Water**	**Water**	**Water**
mgt-LabMark Sample No.			**10-No21390**	**10-No21391**	**10-No21392**
Date Sampled			**Nov 22, 2010**	**Nov 22, 2010**	**Nov 22, 2010**
Test/Reference	PQL	UNIT			
Micro - Cooling Tower Screen					
Heterotrophic Colony Count	-	cfu/mL	<100	180000	90000
Total Legionellae	-	cfu/mL	<10	<10	<10

Sample History

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

Description	Testing Site	Extracted	Holding Time
Micro - Cooling Tower Screen	Clayton	Nov 23, 2010	24 Hour

- Method: 6632. Heterotrophic Colony Count - Pour Plate 36 degrees C 48 hours
- Method: 6600.Legionellae in Water AS/NZS3896:2008

Comments

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	No
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Project number : 60145322
Reviewed by : Chantal Wilson (PM)
Date : 29/11/10

Authorised By

Glenn Jackson
NATA Signatory

Final report - this Report replaces any previously issued Report
- Indicates Not Requested
* Indicates NATA accreditation does not cover the performance of this service
Uncertainty data is available on request

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Attention:CHANTAL.WILSON

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Report	285687
Client Reference	COOLING TOWER WATER SAMPLES 60145322
Received Date	Dec 15, 2010

Client Sample ID			CT1	CT2	CT3	CT4
Sample Matrix			Water	Water	Water	Water
mgt-LabMark Sample No.			10-De06671	10-De06672	10-De06673	10-De06674
Date Sampled			Dec 14, 2010	Dec 14, 2010	Dec 14, 2010	Dec 14, 2010
Test/Reference	LOR	UNIT				
Micro - Cooling Tower Screen						
Heterotrophic Colony Count	-	cfu/mL	1100000	910000	700	29000
Total Legionellae	-	cfu/mL	<10	<10	<10	<10

Client Sample ID			WATER FOUNTAIN	WATER OULET	QA/QC1
Sample Matrix			Water	Water	Water
mgt-LabMark Sample No.			10-De06675	10-De06676	10-De06677
Date Sampled			Dec 14, 2010	Dec 14, 2010	Dec 14, 2010
Test/Reference	LOR	UNIT			
Micro - Cooling Tower Screen					
Heterotrophic Colony Count	-	cfu/mL	<100	950000	1000000
Total Legionellae	-	cfu/mL	<10	<10	<10

Sample History

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

Description	Testing Site	Extracted	Holding Time
Micro - Cooling Tower Screen	Oakleigh	Dec 15, 2010	24 Hour

- Method: 6632: Heterotrophic Colony Count - Pour Plate 36 degrees C 48 hours
- Method: The compliance limit for HCC in Cooling Tower water is 200000 cfu/ml. The associated Expanded Uncertainty at 95%CI is 130000-300000
- Method: 6600:Legionellae in Water AS/NZS3896:2008

Comments

Clayton Laboratory :NATA accredited Laboratory No. 1645

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
Sample containers for volatile analysis received with minimal headspace	No
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Project number : 60145322
Reviewed by : C.WILSON (PM)
Date : 23/12/10

Authorised By

Michael Wright
NATA Signatory

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Attention:Alana Eggleton

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Report	**288440**
Client Reference	COOLING TOWER 601 45322
Received Date	Jan 25, 2011

Client Sample ID			**CT1**	**CT2**	**CT 3**	**CT 4**
Sample Matrix			**Water**	**Water**	**Water**	**Water**
mgt-LabMark Sample No.			**11-JA07472**	**11-JA07473**	**11-JA07474**	**11-JA07475**
Date Sampled			**Jan 24, 2011**	**Jan 24, 2011**	**Jan 24, 2011**	**Jan 24, 2011**
Test/Reference	LOR	UNIT				
Micro - Cooling Tower Screen						
Heterotrophic Colony Count	-	cfu/mL	100000	78000	29000	~11000
Total Legionellae	-	cfu/mL	<10	<10	<10	<10

Client Sample ID			**WATER FOUNTAIN**	**WATER OUTLET**	**QA/QC 1**
Sample Matrix			**Water**	**Water**	**Water**
mgt-LabMark Sample No.			**11-JA07476**	**11-JA07477**	**11-JA07478**
Date Sampled			**Jan 24, 2011**	**Jan 24, 2011**	**Jan 24, 2011**
Test/Reference	LOR	UNIT			
Micro - Cooling Tower Screen					
Heterotrophic Colony Count	-	cfu/mL	19000	21000	130000
Total Legionellae	-	cfu/mL	<10	<10	<10

Sample History

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

Description	Testing Site	Extracted	Holding Time
Micro - Cooling Tower Screen	Oakleigh	Jan 25, 2011	24 Hour

- Method: 6632: Heterotrophic Colony Count - Pour Plate 36 degrees C 48 hours
- Method: The compliance limit for HCC in Cooling Tower water is 200000 cfu/ml. The associated Expanded Uncertainty at 95%CI is 130000-300000
- Method: 6600:Legionellae in Water AS/NZS3896:2008

Comments

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
Sample containers for volatile analysis received with minimal headspace	No
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Authorised By

Michael Wright
NATA Signatory

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Report	**293005**
Client Reference	COOLING TOWER WATER SAMPLES 60145322
Received Date	Mar 10, 2011

Client Sample ID			**CT 1**	**CT 2**	**CT 3**	**CT 4**
Sample Matrix			**Water**	**Water**	**Water**	**Water**
mgt-LabMark Sample No.			**11-MA05716**	**11-MA05717**	**11-MA05718**	**11-MA05719**
Date Sampled			**Mar 09, 2011**	**Mar 09, 2011**	**Mar 09, 2011**	**Mar 09, 2011**
Test/Reference	LOR	UNIT				
Micro - Cooling Tower Screen						
Heterotrophic Colony Count	-	cfu/mL	~110	<100	<100	<100
Total Legionellae	-	cfu/mL	<10	<10	<10	<10

Client Sample ID			**WATER FOUNTAIN**	**WATER OUTLET**	**QA/QC1**
Sample Matrix			**Water**	**Water**	**Water**
mgt-LabMark Sample No.			**11-MA05720**	**11-MA05721**	**11-MA05722**
Date Sampled			**Mar 09, 2011**	**Mar 09, 2011**	**Mar 09, 2011**
Test/Reference	LOR	UNIT			
Micro - Cooling Tower Screen					
Heterotrophic Colony Count	-	cfu/mL	<100	<100	<100
Total Legionellae	-	cfu/mL	<10	<10	<10

Sample History

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

Description	Testing Site	Extracted	Holding Time
Micro - Cooling Tower Screen	Melbourne	Mar 10, 2011	24 Hour

- Method: 6632: Heterotrophic Colony Count - Pour Plate 36 degrees C 48 hours
- Method: The compliance limit for HCC in Cooling Tower water is 200000 cfu/ml. The associated Expanded Uncertainty at 95%CI is 130000-300000
- Method: 6600:Legionellae in Water AS/NZS3896:2008

Comments

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
Sample containers for volatile analysis received with minimal headspace	No
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Authorised By

Michael Wright
NATA Signatory

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Attention:Robin Bir

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The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

Report	**296202**
Client Reference	60145322
Received Date	Apr 12, 2011

Client Sample ID **Sample Matrix** **mgt-LabMark Sample No.** **Date Sampled** Test/Reference	LOR	UNIT	CT1 Water M11-Ap04767 Apr 11, 2011	CT1 QA/QC Water M11-Ap04768 Apr 11, 2011	CT2 Water M11-Ap04769 Apr 11, 2011	CT3 Water M11-Ap04770 Apr 11, 2011
Micro - Cooling Tower Screen						
Heterotrophic Colony Count	-	cfu/mL	290000	240000	250000	<100
Total Legionellae	-	cfu/mL	<10	<10	<10	<10

Client Sample ID **Sample Matrix** **mgt-LabMark Sample No.** **Date Sampled** Test/Reference	LOR	UNIT	CT4 Water M11-Ap04771 Apr 11, 2011	WATER FOUNTAIN Water M11-Ap04772 Apr 11, 2011	MAKE UP POINT Water M11-Ap04773 Apr 11, 2011
Micro - Cooling Tower Screen					
Heterotrophic Colony Count	-	cfu/mL	160000	~4300	<100
Total Legionellae	-	cfu/mL	<10	<10	<10

Sample History

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

Description	Testing Site	Extracted	Holding Time
Micro - Cooling Tower Screen	Melbourne	Apr 12, 2011	24 Hour

- Method: 6632: Heterotrophic Colony Count - Pour Plate 36 degrees C 48 hours
- Method: The compliance limit for HCC in Cooling Tower water is 200000 cfu/ml. The associated Expanded Uncertainty at 95%CI is 130000-300000
- Method: 6600:Legionellae in Water AS/NZS3896:2008

Comments

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
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

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