

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

Question: 2-3
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.

Certificate of Analysis

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

Attention: CHANTAL WILSON

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



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.
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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

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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Attention: CHANTAL.WILSON

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	-	-

Attention:CHANTAL.WILSON

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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 Niloufer 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

Attention: CHANTAL WILSON

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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 - Method: 6632. Heterotrophic Colony Count - Pour Plate 36 degrees C 48 hours - Method: 6600. Legionellae in Water AS/NZS3896:2008	Clayton	Nov 23, 2010	24 Hour

Comments

Sample Integrity

- Custody Seals Intact (if used)
- Attempt to Chill was evident
- Sample correctly preserved
- Organic samples had Teflon liners
- Samples received with Zero Headspace
- Samples received within Holding Time
- Some samples have been subcontracted

- N/A
- Yes
- Yes
- No
- No
- Yes
- No

Authorised By

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

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

Attention: CHANTAL WILSON

AECOM Australia
P/L-NT
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Laboratory Number 1261 & 1645

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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 - 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/NZS3895:2008	Oakleigh	Dec 15, 2010	24 Hour

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 Holding Time	Yes
Some samples have been subcontracted	No

Authorised By

Michael Wright
NATA Signatory

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

Final report - this Report replaces any previously issued Report

Attention: Alana Eggleton

AECOM Australia
P/L-NT
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Darwin
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Laboratory Number 1261 & 1645

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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.

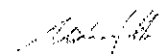
Description	Testing Site	Extracted	Holding Time
Micro - Cooling Tower Screen	Oakleigh	Jan 25, 2011	24 Hour
- Method: 6632: Heterotrophic Colony Count - Pour Plate 36 degrees C 48 hours			
- Method: The compliance limit for HCC in Cooling Tower water is 200000 cfu/ml. The associated Expanded Uncertainty 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 Holding Time	Yes
Some samples have been subcontracted	No

Authorised By



Michael Wright
NATA Signatory

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Attention: Robin Bir

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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/QC-1
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.

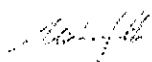
Description	Testing Site	Extracted	Holding Time
Micro - Cooling Tower Screen	Melbourne	Mar 10, 2011	24 Hour
- Method: 6632: Heterotrophic Colony Count - Pour Plate 36 degrees C 48 hours			
- Method: The compliance limit for HCC in Cooling Tower water is 200000 cfu/ml. The associated Expanded Uncertainty 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

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

Certificate of Analysis

Attention: Robin Bir

AECOM Australia
P/L-NT
SUITE 3 17-19
Lindsay St
Darwin
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Site Number 1254 & 14271

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Report 296202
Client Reference 60145322
Received Date Apr 12, 2011

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

Client Sample ID			CT4	WATER FOUNTAIN	MAKE UP POINT
Sample Matrix			Water	Water	Water
mgt-LabMark Sample No.			M11-Ap04771	M11-Ap04772	M11-Ap04773
Date Sampled			Apr 11, 2011	Apr 11, 2011	Apr 11, 2011
Test/Reference	LOR	UNIT			
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.

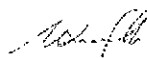
Description	Testing Site	Extracted	Holding Time
Micro - Cooling Tower Screen	Melbourne	Apr 12, 2011	24 Hour
- Method: 6632: Heterotrophic Colony Count - Pour Plate 36 degrees C 48 hours			
- Method: The compliance limit for HCC in Cooling Tower water is 200000 cfu/ml. The associated Expanded Uncertainty at 95%CI is 130000-300000			
- Method: 6600: Legionellae in Water AS/NZS3896:2008			

Comments

Sample Integrity

Custody Seal's 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 Holding Time	Yes
Some samples have been subcontracted	No

Authorised By



Michael Wright
NATA Signatory

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