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**STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH**

IN RE: California State Polytechnic University, Pomona
3801 West Temple Avenue
Pomona, CA 91768

TO: Mr. Mark R. Miller
Director, Facilities Management

CITATION FOR NONCOMPLIANCE — WATER SYSTEM NO. 1910022

CITATION NO. 04-22-13C-008

Issued on November 12, 2013

Section 116650 of Chapter 4, Part 12, Division 104 of the California Health and Safety Code (H&S Code) authorizes the issuance of a citation for failure to comply with a requirement of the California Safe Drinking Water Act, or any regulation, standard, permit, or order issued thereunder.

The Southern California Drinking Water Field Operations Branch of the California Department of Public Health (hereinafter, Department) hereby issues a Citation to the California State Polytechnic University, Pomona Water System (hereinafter, University), (mailing address: 3801 West Temple Avenue, Pomona, CA 91768) for failure to comply with Section 64654 (b)(2), Title 22, California Code of Regulations (CCR).

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APPLICABLE AUTHORITIES

Section 116650 of H&S Code provides:

116650. Citations

- (a) *If the Department determines that a public water system is in violation of this chapter or any regulation, permit, standard, citation, or order issued or adopted thereunder, the Department may issue a citation to the public water system. The citation shall be served upon the public water system personally or by certified mail. Service shall be deemed effective as of the date of personal service or the date of receipt of the certified mail. If a person to whom a citation is directed refuses to accept delivery of the certified mail, the date of service shall be deemed to be the date of mailing.*
- (b) *Each citation shall be in writing and shall describe the nature of the violation or violations, including a reference to the statutory provision, standard, order, citation, permit, or regulation alleged to have been violated.*
- (c) *A citation may specify a date for elimination or correction of the condition constituting the violation.*
- (d) *A citation may include the assessment of a penalty as specified in subdivision (e).*
- (e) *The Department may assess a penalty in an amount not to exceed one thousand dollars (\$1,000) per day for each day that a violation occurred, and for each day*

1 that a violation continues to occur. A separate penalty may be assessed for each
2 violation.

3
4 Title 22, CCR, Article 2, Treatment Technique Requirements, Watershed Protection
5 Requirements, and Performance Standards, Section 64654 (b) states in relevant part:

6
7 64654. Disinfection

8 (b) Disinfection treatment shall comply with the following performance standards:

9 (2) The residual disinfectant concentrations of samples collected from the
10 distribution system shall be detectable in at least 95 percent of the samples
11 taken each month that the system serves water to the public... At any sample
12 point in the distribution system, the presence of heterotrophic plate count (HPC)
13 at concentrations less than or equal to 500 colony forming units per milliliter
14 shall be considered equivalent to a detectable disinfectant residual.

15
16 Title 22, CCR, Article 3, Monitoring Requirements, Section 64656 (c) states in relevant
17 part:

18
19 64656. Disinfection

20 (c) To determine compliance with Section 64654 (b)(2), the residual disinfectant
21 concentration must be measured at least at the same points in the distribution system
22 and at the same time as total coliforms are sampled in accordance with 22 CCR
23 Section 64421, and described in the operation plan required by Section 64661...

24
25
26
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1 **STATEMENT OF FACTS**

2
3 **Background**

4
5 The University is a community water system located in the City of Pomona,
6 approximately 30 miles east of downtown Los Angeles. The University's water system
7 serves a permanent population of approximately 2,500 and a seasonal population of
8 approximately 22,000, including faculty, employees, and students that live on and off
9 campus. The University maintains 140 service connections, which supply residential
10 facilities and various University buildings and campus facilities. The University also
11 receives recycled water from the City of Pomona for landscaping use and agricultural
12 supply on campus. It is currently operating under a domestic water supply permit
13 issued by the Department on June 23, 1999 and five subsequent amendments issued
14 on March 24, 2000, February 11, 2004, February 8, 2008, December 31, 2009 and
15 April 8, 2010.

16
17 The University has two groundwater wells, Well 1 (350 gpm) and Well 2 (250 gpm).
18 However, tetrachloroethylene (PCE) and trichloroethylene (TCE) levels in the water
19 produced by Well 2 have been exceeding the corresponding MCLs since December
20 2008. The University removed the well from service on April 7, 2008, when it received
21 the notification from the laboratory that a sample collected from Well 2 on March 25,
22 2008 had 5.3 µg/L of PCE. Well 2 is now an inactive well. The University also has
23 one connection with the Metropolitan Water District of Southern California (MWDSC).

24
25 Water produced from Well 1 receives chlorination treatment with liquid sodium
26 hypochlorite at wellhead. The University blends groundwater produced by Well 1 that
27 contains elevated levels of perchlorate and nitrate with treated surface water from

1 MWDSC to lower the nitrate and perchlorate levels in the water supplied to the public.
2 This blending operation occurs at the University's 60,000-gallon concrete underground
3 tank (Cistern). The University also operates a blended phosphates addition facility at
4 the discharge side of the booster pump, which takes suction from the Cistern, to
5 reduce lead and copper concentrations in the distribution system.

6
7 Two storage reservoirs (the 2.1 million-gallon, MG, Upper Reservoir and 0.57 MG
8 Lower Reservoir) provide storage for the entire system. There is also a small 18,000-
9 gallon Upper Tank, which is only used when the Upper Reservoir needs to be
10 bypassed for maintenance.

11
12 The Cistern and Lower Reservoir Pump Stations are automatically controlled to boost
13 water directly from the Cistern to the Lower Reservoir and from the Lower Reservoir to
14 the Upper Reservoir respectively, based on the distribution system demand.

15
16 Per Section 64656 (c), Title 22, CCR, to determine compliance with section
17 64654(b)(2), the residual disinfectant concentration shall, at a minimum, be measured
18 at the same points in the distribution system and at the same time as total coliforms
19 are sampled in accordance with Section 64421, Title 22, CCR.

20
21 The University's Bacteriological Sample Siting Plan (BSSP) dated March 20, 2012
22 identifies 10 approved routine bacteriological sample sites in the distribution system to
23 be monitored weekly on Tuesdays. Because the month of September 2013 has four
24 Tuesdays, the University collected a total of 40 routine total coliform and 40 free
25 chlorine residual samples.

1 Summary of Event

2
3 Thursday, October 10, 2013

4 The Department received monthly reports for September 2013 from the University. In
5 the Monthly Summary of Monitoring for Surface Water Treatment Regulations
6 (SWTR), the University indicated 40 total coliform and 40 chlorine residual samples
7 had been collected in September 2013 and all samples had detectable chlorine
8 residual. However, the University did not include the laboratory report for the last
9 week of September in the submittal. Upon reviewing the chains of custody forms and
10 laboratory reports for the first three weeks of September 2013, the Department
11 discovered that two of the routine samples had chlorine residual lower than the
12 reporting detection limit of 0.1 mg/L. All total coliform samples were negative for total
13 coliform and *E. coli*.

14
15 Tuesday, October 29, 2013

16 The Department sent an e-mail to Mr. Jim Watson, the consultant for the University,
17 requesting the University to revise the September 2013 Monthly Summary of
18 Monitoring for SWTR to reflect the fact that there were at least two samples with no
19 detectable residual disinfectant, as well as to submit the missing laboratory report for
20 the last week of September 2013. Later in the day, Mr. Watson faxed the revised form
21 and the missing laboratory report to the Department. The laboratory report showed
22 that there were two additional samples with no residual in the last week of September
23 2013, thereby bringing the monthly tally of samples with no residual up to four. As a
24 result, only 36 out of 40 samples or 90 percent of samples collected in September
25 2013 had detectable disinfectant residual (>0.1 mg/L). Although the revised form did
26 reflect the correct number of samples with no residual, it did not show the correct
27 percentage of samples with detectable residual in the month. The revised form still

1 showed 100 percent of distribution system samples had detectable residuals and
2 indicated the University was in compliance with SWTR.

3
4 Thursday, October 31, 2013

5 Mr. Watson emailed the chain of custody for the last week of September 2013 to the
6 Department.

7
8 Wednesday, November 6, 2013

9 The Department confirmed with E.S. Babcock, the University's contract laboratory, that
10 none of the September 2013 routine distribution samples were analyzed for HPC. The
11 Department called Mr. Don Johnson, Manager of Building and Mechanical Services
12 with the University, to notify him that the University had violated the SWTR disinfection
13 treatment performance standards.

14
15 Thursday, November 7, 2013

16 Mr. Watson faxed a second revision of the September 2013 Monthly Summary of
17 Monitoring for SWTR to the Department.

18
19 The original and the revised Monthly Summary of Monitoring for Surface Water
20 Treatment Regulation forms for September 2013 are attached in Attachment A. The
21 chain of custody forms and laboratory reports for residual disinfectant samples
22 collected in September 2013 are attached in Attachment B.

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DETERMINATIONS

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The Department has determined that the University is in violation of disinfection treatment performance standards of Section 64654 (b)(2), Title 22, CCR due to failure to maintain detectable residual disinfectant in at least 95 percent of the samples taken in September 2013.

PUBLIC NOTIFICATION

Pursuant to the *Public Notification Rule*, the University is required to notify the public of the violation of disinfection treatment performance standards for systems utilizing surface water. Under the *Public Notification Rule*, the above monitoring violation is categorized as **Tier 2 violation**. Section 64463.4 of Title 22, CCR requires that the notification be conducted within 30 days after the public water system learns of the violation. The University is required to deliver the notice to water users within the required time period by mail or by direct delivery. In addition, the University shall use one or more of the following methods to reach persons not likely to be reached by a mailing or direct delivery: 1) publication in a campus newspaper, 2) posting in conspicuous public places or on the internet; or 3) delivery to community organizations.

1 **DIRECTIVES**

2

3 The University is hereby directed to take the following actions:

- 4
- 5 1. The University shall submit an investigation report to the Department **within**
- 6 **30 days of receipt of this citation.** The report shall document
- 7 investigation findings of the cause of the violation and corrective measure(s)
- 8 taken by the University to prevent the occurrence of similar violation in the
- 9 future.
- 10
- 11 2. **By December 6, 2013,** the University shall complete the notification of
- 12 persons served by the University's water system about the violation in
- 13 accordance with Section 64463.4 of Title 22, CCR. A template for
- 14 conducting this notification is provided (Attachment C). The notification
- 15 must be approved by the Department prior to dissemination. Attachment D
- 16 shall be used to advise the Department upon completion of the notification.
- 17
- 18 3. The University shall submit a letter to the Department **within 15 days of**
- 19 **receiving this citation,** stating that the University is committed to
- 20 complying with the requirements as set forth above.

21

22 The Department reserves the right to make modifications to this Citation, as it may

23 deem necessary to protect public health and safety. Such modifications may be

24 issued as amendments to this Citation and shall be effective upon issuance.

25

26

27

1 Nothing in this Citation relieves the University of its obligation to meet the
2 requirements of H&S Code, Division 104, Part 12, Chapter 4 (California Safe Drinking
3 Water Act), or any regulation, permit, standard or order issued or adopted thereunder.

4
5 All submittals required by this Citation, shall be submitted to the Department at the
6 following address:

7 Shu-Fang Orr, P.E.
8 District Engineer, Angeles District
9 Southern California Drinking Water Field Operations Branch
10 500 N. Central Avenue, Suite 500
11 Glendale, CA 91203

12 **PARTIES BOUND**

13
14 This Citation shall apply to and be binding upon the University, its officers, managers,
15 agents, employees, contractors, successors and assignees

16
17 **SEVERABILITY**

18
19 The directives of this Citation are severable, and the University shall comply with each
20 and every provision thereof notwithstanding the effectiveness of any provision.

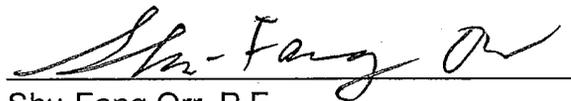
21
22 **FURTHER ENFORCEMENT ACTION**

23
24 Division 104, Part 12, Chapter 4, (commencing with Section 116270) of the H&S Code
25 authorizes the Department to issue additional citations with assessment of penalties if
26 a public water system continues to fail to correct a violation identified in a citation; take
27 action to suspend or revoke a permit that has been issued to a public water system if

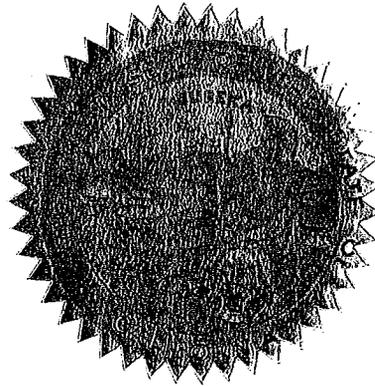
1 the system has violated applicable law or regulations or has failed to comply with
2 orders of the Department; and petition the superior court to take various enforcement
3 measures against a public water system that has failed to comply with orders of the
4 Department. By issuance of this citation, the Department does not waive any right to
5 take further enforcement action against the University including but not limited to the
6 assessment of civil penalties as authorized by law.

9 November 12, 2013

10 Date

11 

12 Shu-Fang Orr, P.E.
13 District Engineer
14 Angeles District



15
16
17
18
19 BY CERTIFIED MAIL NO. 7012 3460 0002 3404 3944

20
21 Attachments (4):

- 22
- 23 A. September 2013 Monthly Summary of Monitoring for Surface Water
- 24 Treatment Regulations Forms Submitted by the University
- 25 B. Laboratory Report and Chains of Custody Forms for Residual
- 26 Disinfectant Samples Collected in September 2013
- 27 C. Tier 2 Public Notification Template
- D. Proof of Public Notification Form

1 cc: Mr. Don Jonson
2 Manager of Building and Mechanical Services
3 California State Polytechnic University – Pomona
4 3801 West Temple Avenue
5 Pomona, CA 91768

6 Mr. James Watson, Consultant
7 Water Education Services, Inc.
8 27262 Snowfield Street
9 Murrieta, CA 92563
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bcc: 1910022 – Enforcement File
District
Region
Reading
Cindy Forbes
David Mazzera
D. Ginzburg - PICME

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ATTACHMENT A

September 2013 Monthly Summary of Monitoring for Surface
Water Treatment Regulations Forms Submitted by the University

MONTHLY SUMMARY OF MONITORING FOR SURFACE WATER TREATMENT REGULATIONS

System Name: California State Polytechnic University - Pomona System No.: 19-10022
 Wholesaler Name: _____ System No.: _____
 Month: September Year: 2013

DISINFECTION PROCESS DATA

Disinfectant residual type: free chlorine X
 combined chlorine _____
 other _____

No. of distribution system residual samples collected:	40
No. of distribution system samples for HPC only:	0
Total No. residual and/or HPC samples collected:	40
No. of samples with no detectable residual and HPC is not measured:	4
No. of samples with no residual and HPC > 500 CFU/ml:	0
No. of samples for HPC only and HPC > 500 CFU/ml:	0
Total No. of samples with no residual and/or HPC > 500 CFU/ml:	4 4

Compute $V = 1 - \frac{\text{Total No. samples with no residual and/or HPC} > 500}{\text{Total No. residual and/or HPC samples collected}} \times 100 = \frac{100 - 90}{100} \times 100 = 90$

Meets Standard (i.e. $V > 95\%$) (Y/N)? Y N

SUMMARY OF WATER QUALITY COMPLAINTS

General Complaints:

Type of Complaint	Number	Corrective Actions Taken
Taste/Odor	0	
Color	0	
Turbidity	0	
Suspended Solids	0	
Other (Describe)	0	

Reports of Gastrointestinal Illness (Attach additional sheets if necessary):

Persons Reporting	Date	Corrective Actions Taken
0		

Explain any failure of the standards and corrective action taken or planned (attach extra sheets if needed):

Signature: *J. Miller*

Date: 10/29/2013
revised

Revised.

**MONTHLY SUMMARY OF MONITORING
FOR SURFACE WATER TREATMENT REGULATIONS**

System Name: California State Polytechnic University - Pomona System No.: 19-10022
 Wholesaler Name: _____ System No.: _____
 Month: September Year: 2013

DISINFECTION PROCESS DATA

Disinfectant residual type: free chlorine X
 combined chlorine _____
 other _____

No. of distribution system residual samples collected:	40
No. of distribution system samples for HPC only:	0
Total No. residual and/or HPC samples collected:	40
No. of samples with no detectable residual and HPC is not measured:	0
No. of samples with no residual and HPC > 500 CFU/ml:	0
No. of samples for HPC only and HPC > 500 CFU/ml:	0
Total No. of samples with no residual and/or HPC > 500 CFU/ml:	0

Compute $V = 1 - \frac{\text{Total No. samples with no residual and/or HPC} > 500}{\text{Total No. residual and/or HPC samples collected}} \times 100 = \underline{100}$

Meets Standard (i.e. $V > 95\%$) (Y/N)? Y

SUMMARY OF WATER QUALITY COMPLAINTS

General Complaints:

Type of Complaint	Number	Corrective Actions Taken
Taste/Odor	0	
Color	0	
Turbidity	0	
Suspended Solids	0	
Other (Describe)	0	

Received
OCT 10 2013
COPH-DWFOB-Los Angeles

Reports of Gastrointestinal Illness (Attach additional sheets if necessary):

Persons Reporting	Date	Corrective Actions Taken
0		

Explain any failure of the standards and corrective action taken or planned (attach extra sheets if needed):

Signature:  Date: 10/10/2013

ATTACHMENT B

Laboratory Report and Chains of Custody Forms for Residual
Disinfectant Samples Collected in September 2013

Sam Wiley



E.S.BABCOCK & Sons, Inc.
Environmental Laboratories *est. 1906*

Client Name: California State University, Pomona
Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 1 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: B3I0117

Report Date: 11-Sep-2013

Received on Ice (Y/N): Yes Temp: 5 °C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

<u>Lab Sample #</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>By</u>	<u>Date Submitted</u>	<u>By</u>
B3I0117-01	Site #1 Building 70	Water	09/03/13 13:40	Jennifer Aguilar	09/03/13 15:20	Jennifer Aguilar
B3I0117-02	Site #2 Building 3	Water	09/03/13 13:20	Jennifer Aguilar	09/03/13 15:20	Jennifer Aguilar
B3I0117-03	Site #3 Building 46	Water	09/03/13 13:10	Jennifer Aguilar	09/03/13 15:20	Jennifer Aguilar
B3I0117-04	Site #4 Building 97	Water	09/03/13 13:05	Jennifer Aguilar	09/03/13 15:20	Jennifer Aguilar
B3I0117-05	Site #5 Building 34	Water	09/03/13 12:50	Jennifer Aguilar	09/03/13 15:20	Jennifer Aguilar
B3I0117-06	Site #6 Building 79	Water	09/03/13 12:35	Jennifer Aguilar	09/03/13 15:20	Jennifer Aguilar
B3I0117-07	Site #7 Building 219	Water	09/03/13 11:20	Jennifer Aguilar	09/03/13 15:20	Jennifer Aguilar
B3I0117-08	Site #8 Building 29	Water	09/03/13 11:45	Jennifer Aguilar	09/03/13 15:20	Jennifer Aguilar
B3I0117-09	Site #9 Building 81	Water	09/03/13 12:00	Jennifer Aguilar	09/03/13 15:20	Jennifer Aguilar
B3I0117-10	Site #10 Building 63	Water	09/03/13 11:35	Jennifer Aguilar	09/03/13 15:20	Jennifer Aguilar

Received

SEP 24 2013

CDPH-DWFOB-Los Angeles



E.S.BABCOCK & Sons, Inc.

Environmental Laboratories est. 1906

Client Name: California State University, Pomona
Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 2 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Report Date: 11-Sep-2013

Work Order Number: B3I0117

Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B3I0117-01

Sample Description: Site #1 Building 70
Matrix: Water
Sampled Date/Time: 09/03/13 13:40
Received Date/Time: 09/03/13 15:20

Table with 8 columns: Analyte(s), Result, RDL, Units, Method, Analysis Date, Analyst, Flag. Rows include Chlorine Residual (Free) at site, MMOMUG - Presence/Absence - SM 9223 B, Total Coliform, and E. coli.

Received

SEP 24 2013

CDPH-DWFOB-Los Angeles



E.S.BABCOCK & Sons, Inc.

Environmental Laboratories *est. 1906*

Client Name: California State University, Pomona
Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 3 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Report Date: 11-Sep-2013

Work Order Number: B310117

Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B310117-02

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Site #2 Building 3	Water	09/03/13 13:20	09/03/13 15:20

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
General Inorganics							
Chlorine Residual (Free) at site	0.20	0.10	mg/L	SM 4500Cl G	09/03/13 13:20	jka	
MMOMUG - Presence/Absence - SM 9223 B							
Total Coliform	Absent	1.1	---	SM 9223B	09/03/13 17:05	dpk	
E. coli	Absent	1.1	---	SM 9223B	09/03/13 17:05	dpk	

Received

SEP 24 2013

CDPH-DWFC- Los Angeles

mailing
P.O. Box 432
Riverside, CA 92502-0432

location
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951-653-8351
F 951-653-1662
www.babcocklabs.com

NELAP no. 021010A
CA Plan no. 2698
EPA no. CA00102



E.S. BABCOCK & Sons, Inc.

Environmental Laboratories est. 1906

Client Name: California State University, Pomona
Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 4 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Report Date: 11-Sep-2013

Work Order Number: B310117

Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B310117-03

Sample Description: Site #3 Building 46
Matrix: Water
Sampled Date/Time: 09/03/13 13:10
Received Date/Time: 09/03/13 15:20

Table with 8 columns: Analyte(s), Result, RDL, Units, Method, Analysis Date, Analyst, Flag. Rows include Chlorine Residual (Free) at site, MMOMUG - Presence/Absence - SM 9223 B, Total Coliform, and E. coli.

Received

SEP 24 2013

CDPH-DWF-03 Los Angeles



E.S.BABCOCK&Sons,Inc.

Environmental Laboratories est 1906

Client Name: California State University,Pomona
Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 5 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Report Date: 11-Sep-2013

Work Order Number: B310117
Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B310117-04

Sample Description Site #4 Building 97
Matrix Water
Sampled Date/Time 09/03/13 13:05
Received Date/Time 09/03/13 15:20

Table with 8 columns: Analyte(s), Result, RDL, Units, Method, Analysis Date, Analyst, Flag. Rows include Chlorine Residual (Free) at site, MMOMUG - Presence/Absence - SM 9223 B, Total Coliform, and E. coli.

Received

SEP 24 2013

CDPH-DWFOB Los Angeles

Mailing: P.O. Box 432, Riverside, CA 92502-0432

Location: 6100 Quail Valley Court, Riverside, CA 92507-0704

P: 951 653 3351
F: 951 653 4662
www.babcocklabs.com

NELAP no. 021010A
CA EPL no. 2698
EPA no. CA00102



E.S.BABCOCK & Sons, Inc.

Environmental Laboratories *est. 1906*

Client Name: California State University, Pomona
Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 6 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Report Date: 11-Sep-2013

Work Order Number: B3I0117

Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B3I0117-05

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Site #5 Building 34	Water	09/03/13 12:50	09/03/13 15:20

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
General Inorganics							
Chlorine Residual (Free) at site	0.18	0.10	mg/L	SM 4500Cl G	09/03/13 12:50	jka	
MMOMUG - Presence/Absence - SM 9223 B							
Total Coliform	Absent	1.1	---	SM 9223B	09/03/13 17:05	dpk	
E. coli	Absent	1.1	---	SM 9223B	09/03/13 17:05	dpk	

Received

SEP 24 2013

CDPH-DWFCB-Los Angeles



E.S.BABCOCK & Sons, Inc.

Environmental Laboratories *est. 1906*

Client Name: California State University, Pomona
Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 7 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: B310117

Report Date: 11-Sep-2013

Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B310117-06

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Site #6 Building 79	Water	09/03/13 12:35	09/03/13 15:20

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
General Inorganics							
Chlorine Residual (Free) at site	0.26	0.10	mg/L	SM 4500Cl G	09/03/13 12:35	jka	
MMOMUG - Presence/Absence - SM 9223 B							
Total Coliform	Absent	1.1	---	SM 9223B	09/03/13 17:05	dpk	
E. coli	Absent	1.1	---	SM 9223B	09/03/13 17:05	dpk	

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Environmental Laboratories *est. 1906*

Client Name: California State University, Pomona
Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 8 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: B310117

Report Date: 11-Sep-2013

Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B310117-07

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Site #7 Building 219	Water	09/03/13 11:20	09/03/13 15:20

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
General Inorganics							
Chlorine Residual (Free) at site	0.12	0.10	mg/L	SM 4500Cl G	09/03/13 11:20	jka	
MMOMUG - Presence/Absence - SM 9223 B							
Total Coliform	Absent	1.1	---	SM 9223B	09/03/13 17:05	dpc	
E. coli	Absent	1.1	---	SM 9223B	09/03/13 17:05	dpc	

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Client Name: California State University, Pomona
Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 9 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: B310117

Report Date: 11-Sep-2013

Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B310117-08

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Site #8 Building 29	Water	09/03/13 11:45	09/03/13 15:20

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
General Inorganics							
Chlorine Residual (Free) at site	ND	0.10	mg/L	SM 4500Cl G	09/03/13 11:45	jka	
MMOMUG - Presence/Absence - SM 9223 B							
Total Coliform	Absent	1.1	---	SM 9223B	09/03/13 17:05	dpk	
E. coli	Absent	1.1	---	SM 9223B	09/03/13 17:05	dpk	



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Client Name: California State University, Pomona
Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 10 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: B310117

Report Date: 11-Sep-2013

Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B310117-09

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Site #9 Building 81	Water	09/03/13 12:00	09/03/13 15:20

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
General Inorganics							
Chlorine Residual (Free) at site	0.13	0.10	mg/L	SM 4500Cl G	09/03/13 12:00	jka	
MMOMUG - Presence/Absence - SM 9223 B							
Total Coliform	Absent	1.1	----	SM 9223B	09/03/13 17:05	dpk	
E. coli	Absent	1.1	----	SM 9223B	09/03/13 17:05	dpk	

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Client Name: California State University, Pomona
 Contact: Don Johnson
 Address: Building 81, 3801 W. Temple Ave.
 Pomona, CA 91768

Analytical Report: Page 11 of 12
 Project Name: Cal Poly - BACTI-cc
 Project Number: Pomona, CA

Report Date: 11-Sep-2013

Work Order Number: **B3I0117**
 Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number
B3I0117-10

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Site #10 Building 63	Water	09/03/13 11:35	09/03/13 15:20

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
General Inorganics							
Chlorine Residual (Free) at site	0.20	0.10	mg/L	SM 4500Cl G	09/03/13 11:35	jka	
MMOMUG - Presence/Absence - SM 9223 B							
Total Coliform	Absent	1.1	---	SM 9223B	09/03/13 17:05	dpk	
E. coli	Absent	1.1	---	SM 9223B	09/03/13 17:05	dpk	

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CDPH - Division of Los Angeles



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Client Name: California State University, Pomona
Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 12 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: B310117

Report Date: 11-Sep-2013

Received on Ice (Y/N): Yes Temp: 5 °C

Notes and Definitions

- ND: Analyte NOT DETECTED at or above the Method Detection Limit (if MDL is reported), otherwise at or above the Reportable Detection Limit (RDL)
- NR: Not Reported
- RDL: Reportable Detection Limit
- MDL: Method Detection Limit
- * / " : NELAP does not offer accreditation for this analyte/method/matrix combination

Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

Lorenzo Rodriguez

DN: CN = Lorenzo Rodriguez C = US O =
Babcock Laboratories OU = Project Manager
Date: 2013.09.12 12:37:15 -07'00'

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cc: DHS-LA

e-Short No Alias



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Client Name: California State University, Pomona
 Contact: Don Johnson
 Address: Building 81, 3801 W. Temple Ave.
 Pomona, CA 91768

Analytical Report: Page 1 of 12
 Project Name: Cal Poly - BACTI-cc
 Project Number: Pomona, CA

Work Order Number: B310876

Report Date: 16-Sep-2013

Received on Ice (Y/N): Yes Temp: 4 °C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

<u>Lab Sample #</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>By</u>	<u>Date Submitted</u>	<u>By</u>
B310876-01	Site #1 Building 70	Water	09/10/13 11:30	Jennifer Aguilar	09/10/13 14:50	Jennifer Aguilar
B310876-02	Site #2 Building 3	Water	09/10/13 11:45	Jennifer Aguilar	09/10/13 14:50	Jennifer Aguilar
B310876-03	Site #3 Building 46	Water	09/10/13 11:55	Jennifer Aguilar	09/10/13 14:50	Jennifer Aguilar
B310876-04	Site #4 Building 97	Water	09/10/13 12:00	Jennifer Aguilar	09/10/13 14:50	Jennifer Aguilar
B310876-05	Site #5 Building 34	Water	09/10/13 12:10	Jennifer Aguilar	09/10/13 14:50	Jennifer Aguilar
B310876-06	Site #6 Building 79	Water	09/10/13 12:15	Jennifer Aguilar	09/10/13 14:50	Jennifer Aguilar
B310876-07	Site #7 Building 219	Water	09/10/13 10:50	Jennifer Aguilar	09/10/13 14:50	Jennifer Aguilar
B310876-08	Site #8 Building 29	Water	09/10/13 11:10	Jennifer Aguilar	09/10/13 14:50	Jennifer Aguilar
B310876-09	Site #9 Building 81	Water	09/10/13 11:20	Jennifer Aguilar	09/10/13 14:50	Jennifer Aguilar
B310876-10	Site #10 Building 63	Water	09/10/13 11:00	Jennifer Aguilar	09/10/13 14:50	Jennifer Aguilar



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Client Name: California State University, Pomona
Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 2 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: **B310876**

Report Date: 16-Sep-2013

Received on Ice (Y/N): Yes Temp: 4 °C

Laboratory Reference Number

B310876-01

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Site #1 Building 70	Water	09/10/13 11:30	09/10/13 14:50

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
General Inorganics							
Chlorine Residual (Free) at site	0.28	0.10	mg/L	SM 4500Cl G	09/10/13 11:30	jka	
MMOMUG - Presence/Absence - SM 9223 B							
Total Coliform	Absent	1.1	---	SM 9223B	09/10/13 15:40	dpk	
E. coli	Absent	1.1	---	SM 9223B	09/10/13 15:40	dpk	



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Client Name: California State University, Pomona
Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 3 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Report Date: 16-Sep-2013

Work Order Number: **B3I0876**

Received on Ice (Y/N): Yes Temp: 4 °C

Laboratory Reference Number

B3I0876-02

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Site #2 Building 3	Water	09/10/13 11:45	09/10/13 14:50

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
General Inorganics							
Chlorine Residual (Free) at site	0.25	0.10	mg/L	SM 4500Cl G	09/10/13 11:45	jka	
MMOMUG - Presence/Absence - SM 9223 B							
Total Coliform	Absent	1.1	---	SM 9223B	09/10/13 15:40	dpk	
E. coli	Absent	1.1	---	SM 9223B	09/10/13 15:40	dpk	

Mailing

P.O. Box 432
Riverside, CA 92502-0432

Location

6100 Quail Valley Court
Riverside, CA 92507-0704

P: 951-653-8351

F: 951-653-1662

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NELAP no. 021010A

CA Lab no. 2698

EPA no. CA00102



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Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 4 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: B3I0876

Report Date: 16-Sep-2013

Received on Ice (Y/N): Yes Temp: 4 °C

Laboratory Reference Number

B3I0876-03

Sample Description: Site #3 Building 46
Matrix: Water
Sampled Date/Time: 09/10/13 11:55
Received Date/Time: 09/10/13 14:50

Table with 8 columns: Analyte(s), Result, RDL, Units, Method, Analysis Date, Analyst, Flag. Rows include Chlorine Residual (Free) at site, MMOMUG - Presence/Absence - SM 9223 B, Total Coliform, and E. coli.

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Client Name: California State University, Pomona
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Analytical Report: Page 5 of 12
 Project Name: Cal Poly - BACTI-cc
 Project Number: Pomona, CA

Work Order Number: **B310876**

Report Date: 16-Sep-2013

Received on Ice (Y/N): Yes Temp: 4 °C

Laboratory Reference Number

B310876-04

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Site #4 Building 97	Water	09/10/13 12:00	09/10/13 14:50

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
General Inorganics							
Chlorine Residual (Free) at site	0.28	0.10	mg/L	SM 4500Cl G	09/10/13 12:00	jka	
MMOMUG - Presence/Absence - SM 9223 B							
Total Coliform	Absent	1.1	---	SM 9223B	09/10/13 15:40	dpk	
E. coli	Absent	1.1	---	SM 9223B	09/10/13 15:40	dpk	

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SEP 24 2013

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Client Name: California State University, Pomona
Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 6 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Report Date: 16-Sep-2013

Work Order Number: B310876

Received on Ice (Y/N): Yes Temp: 4 °C

Laboratory Reference Number

B310876-05

Sample Description: Site #5 Building 34
Matrix: Water
Sampled Date/Time: 09/10/13 12:10
Received Date/Time: 09/10/13 14:50

Table with 8 columns: Analyte(s), Result, RDL, Units, Method, Analysis Date, Analyst, Flag. Rows include Chlorine Residual (Free) at site, Total Coliform, and E. coli.



E.S.BABCOCK & Sons, Inc.

Environmental Laboratories *est. 1906*

Client Name: California State University, Pomona
Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 7 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: B310876

Report Date: 16-Sep-2013

Received on Ice (Y/N): Yes Temp: 4 °C

Laboratory Reference Number

B310876-06

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Site #6 Building 79	Water	09/10/13 12:15	09/10/13 14:50

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
General Inorganics							
Chlorine Residual (Free) at site	0.23	0.10	mg/L	SM 4500Cl G	09/10/13 12:15	jka	
MMOMUG - Presence/Absence - SM 9223 B							
Total Coliform	Absent	1.1	---	SM 9223B	09/10/13 15:40	dpk	
E. coli	Absent	1.1	---	SM 9223B	09/10/13 15:40	dpk	



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Client Name: California State University, Pomona
Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 8 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Report Date: 16-Sep-2013

Work Order Number: **B310876**

Received on Ice (Y/N): Yes Temp: 4 °C

Laboratory Reference Number

B310876-07

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Site #7 Building 219	Water	09/10/13 10:50	09/10/13 14:50

<u>Analyte(s)</u>	<u>Result</u>	<u>RDL</u>	<u>Units</u>	<u>Method</u>	<u>Analysis Date</u>	<u>Analyst</u>	<u>Flag</u>
General Inorganics							
Chlorine Residual (Free) at site	0.36	0.10	mg/L	SM 4500Cl G	09/10/13 10:50	jka	
MMOMUG - Presence/Absence - SM 9223 B							
Total Coliform	Absent	1.1	---	SM 9223B	09/10/13 15:40	dpk	
E. coli	Absent	1.1	---	SM 9223B	09/10/13 15:40	dpk	



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Client Name: California State University, Pomona
 Contact: Don Johnson
 Address: Building 81, 3801 W. Temple Ave.
 Pomona, CA 91768

Analytical Report: Page 9 of 12
 Project Name: Cal Poly - BACTI-cc
 Project Number: Pomona, CA

Report Date: 16-Sep-2013

Work Order Number: B3I0876

Received on Ice (Y/N): Yes Temp: 4 °C

Laboratory Reference Number

B3I0876-08

Sample Description
 Site #8 Building 29

Matrix
 Water

Sampled Date/Time
 09/10/13 11:10

Received Date/Time
 09/10/13 14:50

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
General Inorganics							
Chlorine Residual (Free) at site	0.49	0.10	mg/L	SM 4500Cl G	09/10/13 11:10	jka	
MMOMUG - Presence/Absence - SM 9223 B							
Total Coliform	Absent	1.1	---	SM 9223B	09/10/13 15:40	dpk	
E. coli	Absent	1.1	---	SM 9223B	09/10/13 15:40	dpk	

mailing

P.O. Box 432
 Riverside, CA 92502-0432

location

6100 Quail Valley Court
 Riverside, CA 92507-0704

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NEELAP no. 021101CA

CA Lab no. 2698

EPA no. CA00102



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Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 10 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: **B310876**

Report Date: 16-Sep-2013

Received on Ice (Y/N): Yes Temp: 4 °C

Laboratory Reference Number

B310876-09

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Site #9 Building 81	Water	09/10/13 11:20	09/10/13 14:50

<u>Analyte(s)</u>	<u>Result</u>	<u>RDL</u>	<u>Units</u>	<u>Method</u>	<u>Analysis Date</u>	<u>Analyst</u>	<u>Flag</u>
General Inorganics							
Chlorine Residual (Free) at site	ND	0.10	mg/L	SM 4500Cl G	09/10/13 11:20	jka	
MMOMUG - Presence/Absence - SM 9223 B							
Total Coliform	Absent	1.1	---	SM 9223B	09/10/13 15:40	dpk	
E. coli	Absent	1.1	---	SM 9223B	09/10/13 15:40	dpk	



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Client Name: California State University, Pomona
Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
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Analytical Report: Page 11 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Report Date: 16-Sep-2013

Work Order Number: B3I0876

Received on Ice (Y/N): Yes Temp: 4 °C

Laboratory Reference Number

B3I0876-10

Sample Description	Matrix	Sampled Date/Time	Received Date/Time
Site #10 Building 63	Water	09/10/13 11:00	09/10/13 14:50

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
General Inorganics							
Chlorine Residual (Free) at site	0.24	0.10	mg/L	SM 4500Cl G	09/10/13 11:00	jka	
MMOMUG - Presence/Absence - SM 9223 B							
Total Coliform	Absent	1.1	---	SM 9223B	09/10/13 15:40	dpk	
E. coli	Absent	1.1	---	SM 9223B	09/10/13 15:40	dpk	

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SEP 24 2013

CDPH-DW

Mailing
P.O. Box 482
Riverside, CA 92502-0482

Location
6100 Quail Valley Court
Riverside, CA 92507-0704

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F: 951 653-1662
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NIDELAP no. 021101CA
CA ELAP no. 2698
EPA no. CA00102



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Environmental Laboratories *est. 1906*

Client Name: California State University, Pomona
Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 12 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: B310876

Report Date: 16-Sep-2013

Received on Ice (Y/N): Yes Temp: 4 °C

Notes and Definitions

- ND: Analyte NOT DETECTED at or above the Method Detection Limit (if MDL is reported), otherwise at or above the Reportable Detection Limit (RDL)
- NR: Not Reported
- RDL: Reportable Detection Limit
- MDL: Method Detection Limit
- * / " : NELAP does not offer accreditation for this analyte/method/matrix combination

Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

DN: CN = Lorenzo Rodriguez C = US O =
Babcock Laboratories OU = Project Manager
Date: 2013.09.19 16:50:56 -07'00'

cc: DHS-LA

e-Short No Alias

<i>marline</i> P.O. Box 482 Riverside, CA 92502-0482	<i>Idacron</i> 6100 Quail Valley Court Riverside, CA 92507-0704	P 951 658 3351 F 951 658 1662 www.babcocklabs.com	NELAP no. 021010A CA Diap. no. 2698 DPA no. CA00102
--	---	---	---



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Environmental Laboratories est. 1906

Client Name: California State University, Pomona
Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 2 of 2
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: B310876

Report Date: 16-Sep-2013

Received on Ice (Y/N): Yes Temp: 4 °C

SEP 10 2013

Residual Chlorine
Method: SM 4500-Cl G

Work Order: B310876 W

Client: Cal Poly - Pomona

Field Tech: Jennifer Aguilar

Table with 6 columns: Site/Sample, FIT, Result (mg/L), Duplicates, Date, Time. Rows include Site #1-10, Bldg. 141 (Total/Free), MWD Connection, Well #1, and Well #2.





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Client Name: California State University, Pomona
 Contact: Don Johnson
 Address: Building 81, 3801 W. Temple Ave.
 Pomona, CA 91768

Analytical Report: Page 1 of 12
 Project Name: Cal Poly - BACTI-cc
 Project Number: Pomona, CA

Report Date: 23-Sep-2013

Work Order Number: B3I1590

Received on Ice (Y/N): Yes Temp: 5 °C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

<u>Lab Sample #</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>By</u>	<u>Date Submitted</u>	<u>By</u>
B3I1590-01	Site #1 Building 70	Water	09/17/13 12:15	Jennifer Aguilar	09/17/13 15:10	Jennifer Aguilar
B3I1590-02	Site #2 Building 3	Water	09/17/13 12:40	Jennifer Aguilar	09/17/13 15:10	Jennifer Aguilar
B3I1590-03	Site #3 Building 46	Water	09/17/13 12:50	Jennifer Aguilar	09/17/13 15:10	Jennifer Aguilar
B3I1590-04	Site #4 Building 97	Water	09/17/13 12:55	Jennifer Aguilar	09/17/13 15:10	Jennifer Aguilar
B3I1590-05	Site #5 Building 34	Water	09/17/13 13:05	Jennifer Aguilar	09/17/13 15:10	Jennifer Aguilar
B3I1590-06	Site #6 Building 79	Water	09/17/13 13:20	Jennifer Aguilar	09/17/13 15:10	Jennifer Aguilar
B3I1590-07	Site #7 Building 219	Water	09/17/13 11:10	Jennifer Aguilar	09/17/13 15:10	Jennifer Aguilar
B3I1590-08	Site #8 Building 29	Water	09/17/13 11:45	Jennifer Aguilar	09/17/13 15:10	Jennifer Aguilar
B3I1590-09	Site #9 Building 81	Water	09/17/13 12:00	Jennifer Aguilar	09/17/13 15:10	Jennifer Aguilar
B3I1590-10	Site #10 Building 63	Water	09/17/13 11:20	Jennifer Aguilar	09/17/13 15:10	Jennifer Aguilar

Received

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Contact: Don Johnson
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Analytical Report: Page 2 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Report Date: 23-Sep-2013

Work Order Number: B311590

Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B311590-01

Sample Description: Site #1 Building 70
Matrix: Water
Sampled Date/Time: 09/17/13 12:15
Received Date/Time: 09/17/13 15:10

Table with 9 columns: Analyte(s), Result, RDL, Units, Method, Analysis Date, Analyst, Flag. Rows include Chlorine Residual (Free) at site, MMOMUG - Presence/Absence - SM 9223 B, Total Coliform, and E. coli.



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Analytical Report: Page 3 of 12
 Project Name: Cal Poly - BACTI-cc
 Project Number: Pomona, CA

Report Date: 23-Sep-2013

Work Order Number: **B3I1590**
 Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number
B3I1590-02

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Site #2 Building 3	Water	09/17/13 12:40	09/17/13 15:10

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
General Inorganics							
Chlorine Residual (Free) at site	0.53	0.10	mg/L	SM 4500Cl G	09/17/13 12:40	jka	
MMOMUG - Presence/Absence - SM 9223 B							
Total Coliform	Absent	1.1	—	SM 9223B	09/17/13 16:30	dpk	
E. coli	Absent	1.1	—	SM 9223B	09/17/13 16:30	dpk	

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 EPA no. CA00102



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Analytical Report: Page 4 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Report Date: 23-Sep-2013

Work Order Number: B311590

Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B311590-03

Sample Description: Site #3 Building 46
Matrix: Water
Sampled Date/Time: 09/17/13 12:50
Received Date/Time: 09/17/13 15:10

Table with 8 columns: Analyte(s), Result, RDL, Units, Method, Analysis Date, Analyst, Flag. Rows include Chlorine Residual (Free) at site, MMOMUG - Presence/Absence - SM 9223 B, Total Coliform, and E. coli.

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Analytical Report: Page 5 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: B311590

Report Date: 23-Sep-2013

Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B311590-04

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Site #4 Building 97	Water	09/17/13 12:55	09/17/13 15:10

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
General Inorganics							
Chlorine Residual (Free) at site	0.55	0.10	mg/L	SM 4500Cl G	09/17/13 12:55	jka	
MMOMUG - Presence/Absence - SM 9223 B							
Total Coliform	Absent	1.1	—	SM 9223B	09/17/13 16:30	dpk	
E. coli	Absent	1.1	—	SM 9223B	09/17/13 16:30	dpk	

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Analytical Report: Page 6 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Report Date: 23-Sep-2013

Work Order Number: B311590

Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B311590-05

Sample Description: Site #5 Building 34
Matrix: Water
Sampled Date/Time: 09/17/13 13:05
Received Date/Time: 09/17/13 15:10

Table with 8 columns: Analyte(s), Result, RDL, Units, Method, Analysis Date, Analyst, Flag. Rows include Chlorine Residual (Free) at site, MMOMUG - Presence/Absence - SM 9223 B, Total Coliform, and E. coli.



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Analytical Report: Page 7 of 12
 Project Name: Cal Poly - BACTI-cc
 Project Number: Pomona, CA

Report Date: 23-Sep-2013

Work Order Number: **B311590**
 Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number
B311590-06

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Site #6 Building 79	Water	09/17/13 13:20	09/17/13 15:10

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
General Inorganics							
Chlorine Residual (Free) at site	0.50	0.10	mg/L	SM 4500Cl G	09/17/13 13:20	jka	
MMOMUG - Presence/Absence - SM 9223 B							
Total Coliform	Absent	1.1	—	SM 9223B	09/17/13 16:30	dpk	
E. coli	Absent	1.1	—	SM 9223B	09/17/13 16:30	dpk	



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Analytical Report: Page 8 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: B311590

Report Date: 23-Sep-2013

Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B311590-07

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Site #7 Building 219	Water	09/17/13 11:10	09/17/13 15:10

<u>Analyte(s)</u>	<u>Result</u>	<u>RDL</u>	<u>Units</u>	<u>Method</u>	<u>Analysis Date</u>	<u>Analyst</u>	<u>Flag</u>
General Inorganics							
Chlorine Residual (Free) at site	0.48	0.10	mg/L	SM 4500Cl G	09/17/13 11:10	jka	
MMOMUG - Presence/Absence - SM 9223 B							
Total Coliform	Absent	1.1	—	SM 9223B	09/17/13 16:30	dpk	
E. coli	Absent	1.1	—	SM 9223B	09/17/13 16:30	dpk	



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Analytical Report: Page 9 of 12
 Project Name: Cal Poly - BACTI-cc
 Project Number: Pomona, CA

Work Order Number: B311590

Report Date: 23-Sep-2013

Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B311590-08

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Site #8 Building 29	Water	09/17/13 11:45	09/17/13 15:10

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
General Inorganics							
Chlorine Residual (Free) at site	0.34	0.10	mg/L	SM 4500Cl G	09/17/13 11:45	jka	
MMOMUG - Presence/Absence - SM 9223 B							
Total Coliform	Absent	1.1	—	SM 9223B	09/17/13 16:30	dpk	
E. coli	Absent	1.1	—	SM 9223B	09/17/13 16:30	dpk	



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Analytical Report: Page 10 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: B311590

Report Date: 23-Sep-2013

Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B311590-09

Sample Description: Site #9 Building 81
Matrix: Water
Sampled Date/Time: 09/17/13 12:00
Received Date/Time: 09/17/13 15:10

Table with 8 columns: Analyte(s), Result, RDL, Units, Method, Analysis Date, Analyst, Flag. Rows include Chlorine Residual (Free) at site (0.73), MMOMUG - Presence/Absence - SM 9223 B, Total Coliform (Absent), and E. coli (Absent).



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Analytical Report: Page 11 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Report Date: 23-Sep-2013

Work Order Number: **B3I1590**

Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B3I1590-10

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Site #10 Building 63	Water	09/17/13 11:20	09/17/13 15:10

<u>Analyte(s)</u>	<u>Result</u>	<u>RDL</u>	<u>Units</u>	<u>Method</u>	<u>Analysis Date</u>	<u>Analyst</u>	<u>Flag</u>
General Inorganics							
Chlorine Residual (Free) at site	0.36	0.10	mg/L	SM 4500Cl G	09/17/13 11:20	jka	
MMOMUG - Presence/Absence - SM 9223 B							
Total Coliform	Absent	1.1	---	SM 9223B	09/17/13 16:30	dpk	
E. coli	Absent	1.1	---	SM 9223B	09/17/13 16:30	dpk	

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EPA no. CA00102



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Analytical Report: Page 12 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: B311590

Report Date: 23-Sep-2013

Received on Ice (Y/N): Yes Temp: 5 °C

Notes and Definitions

- ND: Analyte NOT DETECTED at or above the Method Detection Limit (if MDL is reported), otherwise at or above the Reportable Detection Limit (RDL)
- NR: Not Reported
- RDL: Reportable Detection Limit
- MDL: Method Detection Limit
- * / " : NELAP does not offer accreditation for this analyte/method/matrix combination

Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

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Laboratories, Inc. OU = Project Manager Assistant
Date: 2013.09.27 08:49:41 -08'00'

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Analytical Report: Page 2 of 2
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: B31590

Report Date: 23-Sep-2013

Received on Ice (Y/N): Yes Temp: 5 °C

SEP 17 2013

Residual Chlorine
Method: SM 4500-Cl G

Work Order: B31590 LV

Client: Cal Poly - Pomona

Field Tech: Jennifer Aguilar

Table with 6 columns: Site/Sample, F/T, Result (mg/L), Duplicates, Date, Time. Rows include sites #1-10, Bldg. 141 (Total/Free), MWD Connection Well #1, and Well #2.





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Analytical Report: Page 12 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: B3I2267

Report Date: 27-Sep-2013

Received on Ice (Y/N): Yes Temp: 5 °C

Notes and Definitions

- ND: Analyte NOT DETECTED at or above the Method Detection Limit (if MDL is reported), otherwise at or above the Reportable Detection Limit (RDL)
- NR: Not Reported
- RDL: Reportable Detection Limit
- MDL: Method Detection Limit
- * / "": NELAP does not offer accreditation for this analyte/method/matrix combination

Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

DN: CN = Lorenzo Rodriguez C = US O =
Babcock Laboratories OU = Project Manager
Date: 2013.09.30 17:43:47 -07'00'

cc: DHS-LA

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Address: Building 81, 3801 W. Temple Ave.
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Analytical Report: Page 11 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: B312267

Report Date: 27-Sep-2013

Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B312267-10

Sample Description: Site #10 Building 63
Matrix: Water
Sampled Date/Time: 09/24/13 11:45
Received Date/Time: 09/24/13 15:00

Table with 8 columns: Analyte(s), Result, RDL, Units, Method, Analysis Date, Analyst, Flag. Rows include General Inorganics, Chlorine Residual (Free) at site, MMOMUG - Presence/Absence - SM 9223 B, Total Coliform, and E. coli.



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Analytical Report: Page 10 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: **B3I2267**

Report Date: 27-Sep-2013

Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B3I2267-09

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Site #9 Building 81	Water	09/24/13 12:05	09/24/13 15:00

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
General Inorganics							
Chlorine Residual (Free) at site	ND	0.10	mg/L	SM 4500Cl G	09/24/13 12:05	jka	
MMOMUG - Presence/Absence - SM 9223 B							
Total Coliform	Absent	1.1	---	SM 9223B	09/24/13 16:45	lml	
E. coli	Absent	1.1	---	SM 9223B	09/24/13 16:45	lml	

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Analytical Report: Page 9 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: **B3I2267**

Report Date: 27-Sep-2013

Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B3I2267-08

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Site #8 Building 29	Water	09/24/13 11:55	09/24/13 15:00

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
General Inorganics							
Chlorine Residual (Free) at site	ND	0.10	mg/L	SM 4500Cl G	09/24/13 11:55	jka	
MMOMUG - Presence/Absence - SM 9223 B							
Total Coliform	Absent	1.1	---	SM 9223B	09/24/13 16:45	lml	
E. coli	Absent	1.1	---	SM 9223B	09/24/13 16:45	lml	



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Analytical Report: Page 8 of 12
 Project Name: Cal Poly - BACTI-cc
 Project Number: Pomona, CA

Work Order Number: B3I2267

Report Date: 27-Sep-2013

Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B3I2267-07

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Site #7 Building 219	Water	09/24/13 11:40	09/24/13 15:00

<u>Analyte(s)</u>	<u>Result</u>	<u>RDL</u>	<u>Units</u>	<u>Method</u>	<u>Analysis Date</u>	<u>Analyst</u>	<u>Flag</u>
General Inorganics							
Chlorine Residual (Free) at site	0.17	0.10	mg/L	SM 4500Cl G	09/24/13 11:40	jka	
MMOMUG - Presence/Absence - SM 9223 B							
Total Coliform	Absent	1.1	---	SM 9223B	09/24/13 16:45	lml	
E. coli	Absent	1.1	---	SM 9223B	09/24/13 16:45	lml	



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Analytical Report: Page 7 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: **B312267**

Report Date: 27-Sep-2013

Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B312267-06

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Site #6 Building 79	Water	09/24/13 13:00	09/24/13 15:00

<u>Analyte(s)</u>	<u>Result</u>	<u>RDL</u>	<u>Units</u>	<u>Method</u>	<u>Analysis Date</u>	<u>Analyst</u>	<u>Flag</u>
General Inorganics							
Chlorine Residual (Free) at site	0.26	0.10	mg/L	SM 4500Cl G	09/24/13 13:00	jka	
MMOMUG - Presence/Absence - SM 9223 B							
Total Coliform	Absent	1.1	---	SM 9223B	09/24/13 16:45	lml	
E. coli	Absent	1.1	---	SM 9223B	09/24/13 16:45	lml	



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Analytical Report: Page 6 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Report Date: 27-Sep-2013

Work Order Number: B3I2267

Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B3I2267-05

Sample Description Site #5 Building 34 Matrix Water Sampled Date/Time 09/24/13 12:55 Received Date/Time 09/24/13 15:00

Table with 8 columns: Analyte(s), Result, RDL, Units, Method, Analysis Date, Analyst, Flag. Rows include Chlorine Residual (Free) at site, Total Coliform, and E. coli.



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Analytical Report: Page 5 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: **B312267**

Report Date: 27-Sep-2013

Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B312267-04

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Site #4 Building 97	Water	09/24/13 12:50	09/24/13 15:00

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
General Inorganics							
Chlorine Residual (Free) at site	0.30	0.10	mg/L	SM 4500Cl G	09/24/13 12:50	jka	
MMOMUG - Presence/Absence - SM 9223 B							
Total Coliform	Absent	1.1	---	SM 9223B	09/24/13 16:45	lml	
E. coli	Absent	1.1	---	SM 9223B	09/24/13 16:45	lml	



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Analytical Report: Page 4 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Report Date: 27-Sep-2013

Work Order Number: B312267

Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B312267-03

Sample Description Site #3 Building 46 Matrix Water Sampled Date/Time 09/24/13 12:40 Received Date/Time 09/24/13 15:00

Table with 8 columns: Analyte(s), Result, RDL, Units, Method, Analysis Date, Analyst, Flag. Rows include Chlorine Residual (Free) at site, MMOMUG - Presence/Absence - SM 9223 B, Total Coliform, and E. coli.



E.S. BABCOCK & Sons, Inc.

Environmental Laboratories est. 1906

Client Name: California State University, Pomona
Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 3 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Report Date: 27-Sep-2013

Work Order Number: B3I2267
Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B3I2267-02

Sample Description: Site #2 Building 3
Matrix: Water
Sampled Date/Time: 09/24/13 12:35
Received Date/Time: 09/24/13 15:00

Table with 8 columns: Analyte(s), Result, RDL, Units, Method, Analysis Date, Analyst, Flag. Rows include Chlorine Residual (Free) at site, MMOMUG - Presence/Absence - SM 9223 B, Total Coliform, and E. coli.



E.S.BABCOCK&Sons,Inc.

Environmental Laboratories *est 1906*

Client Name: California State University,Pomona
Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 2 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: B312267

Report Date: 27-Sep-2013

Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number

B312267-01

Sample Description Site #1 Building 70
Matrix Water
Sampled Date/Time 09/24/13 12:15
Received Date/Time 09/24/13 15:00

Table with 8 columns: Analyte(s), Result, RDL, Units, Method, Analysis Date, Analyst, Flag. Rows include Chlorine Residual (Free) at site, MMOMUG - Presence/Absence - SM 9223 B, Total Coliform, and E. coli.



E.S.BABCOCK & Sons, Inc.

Environmental Laboratories est. 1906

Client Name: California State University, Pomona
Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 1 of 12
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: B3I2267

Report Date: 27-Sep-2013

Received on Ice (Y/N): Yes Temp: 5 °C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

Table with 7 columns: Lab Sample #, Client Sample ID, Matrix, Date Sampled, By, Date Submitted, By. Contains 10 rows of sample data.

mailing
P.O. Box 432
Riverside, CA 92502-0432

location
6100 Quail Valley Court
Riverside, CA 92507-0704

P: 951 653 3351
F: 951 653 1662
www.babcocklabs.com

NELAP no. 02101 CA
CA Elap no. 2698
EPA no. CA00102



E.S.BABCOCK & Sons, Inc.

Environmental Laboratories est. 1906

Client Name: California State University, Pomona
Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 1 of 1
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: B310117

Report Date: 11-Sep-2013

Received on Ice (Y/N): Yes

Temp: 5 °C

Residual Chlorine
Method: SM 4500-Cl G

Work Order: R370117XL

Client: Cal Poly - Pomona

Field Tech: Jennifer Aguilar

Table with 6 columns: Site/Sample, F/T, Result (mg/L), Duplicates, Date, Time. Rows include Site #1-10, Bldg. 141 (Total/Free), MWD Connection, Well #1 (Pre-Chlorine/Post-Res), and Well #2.



E.S.BABCOCK & Sons, Inc.

Environmental Laboratories *est. 1906*

Client Name: California State University, Pomona
Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 1 of 2
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: B310876

Report Date: 16-Sep-2013

Received on Ice (Y/N): Yes Temp: 4 °C

Chain of Custody & Sample Information Record

E.S. Babcock & Sons, Inc.
(909) 653-3351

Client: Cal Poly - Pomona		Contact: _____		Phone No. _____	
Project Name: _____		Turn Around Time: <input type="checkbox"/> Routine <input type="checkbox"/> 3-5 Days <input type="checkbox"/> 48 Hours <input type="checkbox"/> 24 Hours		(Rates Requirs Approval, Additional Charges May Apply)	
Project Location: Pomona, CA					
Sampler Information		# of Containers & Preservatives		Analysis Requested	
Name: <u>Jennifer Aguilar</u>		Unpreserved		Bacteria	
Employer: E. S. Babcock & Sons, Inc.		H2SO4		C12	
Signature: <u>[Signature]</u>		HCl		C12	
		NaOH		C12	
		Na2S2O3		C12	
		Total # of Containers		C12	
ESB #	Sample ID	Date	Time		Notes
	Site #1 Building 70	9-10	1130	1	DW = Drinking Water C12 = 0.28
	Site #2 Building 3	9-10	1145	1	DW = Wastewater C12 = 0.25
	Site #3 Building 46	9-10	1155	1	DW = Groundwater C12 = 0.39
	Site #4 Building 97	9-10	1200	1	S = Soil C12 = 0.28
	Site #5 Building 34	9-10	1210	1	SG = Sludge C12 = 0.40
	Site #6 Building 79	9-10	1215	1	L = Liquid C12 = 0.23
	Site #7 Building 219	9-10	1850	1	M = Miscellaneous C12 = 0.36
	Site #8 Building 29	9-10	1110	1	C12 = 0.49
	Site #9 Building 81	9-10	1125	1	C12 = 0.04
	Site #10 Building 63	9-10	1100	1	C12 = 0.24
Relinquished By (Sign) <u>[Signature]</u>		Print Name / Company <u>Jennifer Aguilar ESB</u>		Date / Time <u>9/10/13 11:00</u>	
Received By (Sign) <u>[Signature]</u>		Print Name / Company <u>Kathy Veary/ESB</u>		Date / Time _____	

SEP 10 2013
Lab No. B310876 W
B310876 W

Sample Integrity Upon Receipt

Sample(s) Submitted on Ice? Yes No

Custody Seal(s) Intact? Yes No

Sample(s) Intact? Yes No

Temperature 4 °C

Page 1 of 1



E.S. BABCOCK & Sons, Inc.

Environmental Laboratories est. 1906

Client Name: California State University, Pomona
Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 1 of 2
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: B311590

Report Date: 23-Sep-2013

Received on Ice (Y/N): Yes

Temp: 5 °C

Chain of Custody & Sample Information Record

E.S. Babcock & Sons, Inc.
(909) 653-3351

Form with fields for Client, Project Name, Location, Contact, Turn Around Time, Analysis Requested, Matrix, Notes, and a table for 10 samples.

Sample Integrity Upon Receipt form with fields for Submitted on Ice, Custody Seal Intact, and Sample Intact.

Lab No. B311590 W
Page 1 of 1
SEPT 17 2013

mailing
P.O. Box 432
Riverside, CA 92502-0432

location
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

NELAP no. 02101CA
CA Elap no. 2698
EPA no. CA00102



E.S.BABCOCK & Sons, Inc.
Environmental Laboratories *est. 1906*

Client Name: California State University, Pomona
Contact: Don Johnson
Address: Building 81, 3801 W. Temple Ave.
Pomona, CA 91768

Analytical Report: Page 1 of 1
Project Name: Cal Poly - BACTI-cc
Project Number: Pomona, CA

Work Order Number: B3I2267

Report Date: 27-Sep-2013

Received on Ice (Y/N): Yes Temp: 5 °C

Chain of Custody & Sample Information Record

6100 Quail Valley Court Riverside, CA 92507
(951) 953-3351 • FAX (951) 653-1662
www.babcocklabs.com



Client: Cal Poly Pomona Contact: _____ Fax No. _____
Phone No. _____ email: _____
Project Name: _____ Turn Around Time: Routine *72 Hour Rush *48 Hour Rush *24 Hour Rush
Project Location: Pomona CA *Lab/Fac Approval: _____ *Additional Charges Apply

Sampler Information
Name: Don Johnson
Employer: ESU
Signature: [Signature]

Sample ID	Date	Time	# of Containers & Preservatives										Total # of Containers	Sample Type	Analysis Requested	Matrix	Notes		
			Unpreserved	H2SO4	HCl	HNO3	Na2SO4	NaOH	NaOH/Zn Acetate	NH4Cl	MCA								
Site #1	9/24	12:15															Routine	DW = Drinking Water	Site = 0.06
Site #2	9/24	12:35															Routine	WW = Waste Water	Site = 0.32
Site #3	9/24	12:40															Routine	GW = Ground Water	Site = 0.28
Site #4	9/24	12:50															Routine	S = Source	Site = 0.30
Site #5	9/24	12:55															Routine	SG = Sludge	Site = 0.30
Site #6	9/24	13:00															Routine	L = Liquid	Site = 0.26
Site #7	9/24	11:40															Routine	M = Miscellaneous	Site = 0.17
Site #8	9/24	11:55															Routine		Site = 0.07
Site #9	9/24	12:05															Routine		Site = 0.07
Site #10	9/24	11:45															Routine		Site = 0.28

Requestor: [Signature] Date/Time: 9/24 15:00 Received By (sign): [Signature] Print Name / Company: ESU

(For Lab Use Only) Samples Integrity Upon Receipt/Acceptance Criteria
 Sample(s) Submerged on Ice? (Yes) No (No) No
 Custody Seal(s) Intact? (Yes) No (No) No
 Sample(s) Intact? (Yes) No (No) No
 Temperature: 5 °C Cooler Blank
 Signature/Date: _____
 Lab No. B3I2267B
 Logged in By/Date: SEP 24 2013
 Page _____ of _____

mailing
P.O. Box 432
Riverside, CA 92502-0432

location
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

NELAP no. 02101CA
CA Elap no. 2698
EPA no. CA00102

ATTACHMENT C

Tier 2 Public Notification Template

Instructions for Tier 2 SWTR Disinfection Treatment Notice Template

Template Attached

Since surface water treatment disinfection treatment technique violations are included in Tier 2, you must provide public notice to persons served as soon as practical but within 30 days after you learn of the violation [California Code of Regulations, Title 22, Chapter 15, Section 64463.4(b)]. Some disinfection problems may be serious. **Each water system required to give public notice must submit the notice to the Department for approval prior to distribution or posting, unless otherwise directed by the Department [64463(b)].**

Notification Methods

You must use the methods summarized in the table below to deliver the notice to consumers. If you mail, post, or hand deliver, print your notice on letterhead, if available.

<i>If You Are a...</i>	<i>You Must Notify Consumers by...</i>	<i>...and By One or More of the Following Methods to Reach Persons Not Likely to be Reached by the Previous Method...</i>
Community Water System [64463.4(c)(1)]	Mail or direct delivery ^(a)	Publication in a local newspaper
		Posting ^(b) in public places served by the water system or on the Internet
		Delivery to community organizations
Non-Community Water System [64463.4(c)(2)]	Posting in conspicuous locations throughout the area served by the water system ^(b)	Publication in a local newspaper or newsletter distributed to customers
		Email message to employees or students
		Posting ^(b) on the Internet or intranet
		Direct delivery to each customer

(a) Notice must be distributed to each customer receiving a bill including those that provide their drinking water to others (e.g., schools or school systems, apartment building owners, or large private employers), and other service connections to which water is delivered by the water system.

(b) Notice must be posted in place for as long as the violation or occurrence continues, but in no case less than seven days.

The notice attached is appropriate for the methods described above. However, you may wish to modify it before using it for posting in public places served by the water system. If you do, you must still include all the required elements and leave the health effects and notification language in italics unchanged. This language is mandatory [64465].

Multilingual Requirement

Spanish. Each public notice must contain information in Spanish regarding (1) the importance of the notice or (2) contain a telephone number or address where Spanish-speaking residents may contact the water system to obtain a translated copy of the public notice or assistance in Spanish.

Non-English Speaking Groups Other than Spanish-Speaking. For each group that exceeds 1,000 residents or 10% of the residents in the community served, whichever is less, the public notice must (1) contain information in the appropriate language(s) regarding the importance of the notice or (2) contain a telephone number or address where such residents may contact the water system to obtain a translated copy of the notice or assistance in the appropriate language.

Population Served

Make sure it is clear who is served by your water system -- you may need to list the areas you serve.

Description of the Violation

Choose from the following descriptions of violations and modify to fit your situation.

- Contact Time – “In order to ensure proper disinfection, water in the treatment plant must be in contact with chlorine or a similar disinfectant for a minimum amount of time. On [date], this did not occur. Although chlorine quickly kills most bacteria, it is less effective against organisms such as viruses and parasites. For this reason, water needs to mix with chlorine for a longer time period to kill such organisms. The amount of time necessary, or the “contact time”, depends on the amount of disinfectant in the water and the temperature of the water.”
- Disinfectant Residual – “We routinely monitor for disinfectant residual in the distribution system. This measurement tells us whether we are effectively disinfecting the water supply. Disinfectant residual is the amount of chlorine or related disinfectant present in the pipes of the distribution system. If the amount of disinfectant is too low, organisms could grow in the pipes.”
- Monthly Exceedance (Distribution System) – “During the months of [months], disinfectant residual was undetected in more than 5% of samples. The standard is that disinfectant may be undetectable in no more than 5% of samples taken each month for two months in a row.”
- Single Exceedance (Entry to the Distribution System) – “On [date], disinfectant levels dropped below 0.2 milligrams per liter (mg/L) for [number] hours. The standard is that levels may not drop below 0.2 mg/L for more than four hours.”

Corrective Action

In your notice, describe corrective actions you are taking. Listed below are some steps commonly taken by water systems with disinfection treatment technique violations. Use one or more of the following actions, if appropriate, or develop your own:

- "We are sampling/we sampled both untreated and treated water for the presence of coliform bacteria."
- "We are sampling/we sampled disinfectant levels and will adjust/adjusted the amount of disinfectant added as necessary to maintain adequate levels."

After Issuing the Notice

Send a copy of each type of notice and a certification that you have met all the public notice requirements to the Department within ten days after you issue the notice [64469(d)]. You should also issue a follow-up notice in addition to meeting any repeat notice requirements the Department sets.

It is recommended that you notify health professionals in the area of the violation. People may call their doctors with questions about how the violation may affect their health, and the doctors should have the information they need to respond appropriately.

It is a good idea to issue a "problem corrected" notice when the violation is resolved.

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Este informe contiene información muy importante sobre su agua potable.
Tradúzcalo o hable con alguien que lo entienda bien.

[System]

Did Not Meet Treatment Requirement (Disinfection)

Our water system recently violated a drinking water standard. Although this is not an emergency, as our customers, you have a right to know what you should do, what happened, and what we are doing to correct this situation.

[Describe the violation - use descriptions from instructions].

What should I do?

- **You do not need to boil your water or take other actions.**
- This is not an emergency. If it had been, you would have been notified immediately. Tests taken during this same time period did not indicate the presence of bacteria in the water.
- *Inadequately treated water may contain disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches. These symptoms, however, are not caused only by organisms in drinking water, but also by other factors. If you experience any of these symptoms and they persist, you may want to seek medical advice.*
- People with severely compromised immune systems, infants, and some elderly may be at increased risk. These people should seek advice about drinking water from their health care providers. General guidelines on ways to lessen the risk of infection by microbes are available from U.S. EPA's Safe Drinking Water Hotline at 1(800) 426-4791.
- If you have other health issues concerning the consumption of this water, you may wish to consult with your doctor.

What happened? What is being done?

[Describe corrective action]. [Disinfectant residual levels/contact times] so far this month have met all requirements.

For more information, please contact [name of contact] at [phone number] or [mailing address].

~~Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this public notice in a public place or distributing copies by hand or mail.~~

Secondary Notification Requirements

Upon receipt of notification from a person operating a public water system, the following notification must be given within 10 days [Health and Safety Code Section 116450(g)]:

- **SCHOOLS:** Must notify school employees, students, and parents (if the students are minors).
- **RESIDENTIAL RENTAL PROPERTY OWNERS OR MANAGERS** (including nursing homes and care facilities): Must notify tenants.
- **BUSINESS PROPERTY OWNERS, MANAGERS, OR OPERATORS:** Must notify employees of businesses located on the property.

This notice is being sent to you by [system].

State Water System ID#: _____ . Date distributed: _____ .

Instructions for Tier 2 SWTR Disinfection Treatment Notice Template

Template Attached

Since surface water treatment disinfection treatment technique violations are included in Tier 2, you must provide public notice to persons served as soon as practical but within 30 days after you learn of the violation [California Code of Regulations, Title 22, Chapter 15, Section 64463.4(b)]. Some disinfection problems may be serious. **Each water system required to give public notice must submit the notice to the Department for approval prior to distribution or posting, unless otherwise directed by the Department [64463(b)].**

Notification Methods

You must use the methods summarized in the table below to deliver the notice to consumers. If you mail, post, or hand deliver, print your notice on letterhead, if available.

<i>If You Are a...</i>	<i>You Must Notify Consumers by...</i>	<i>...and By One or More of the Following Methods to Reach Persons Not Likely to be Reached by the Previous Method...</i>
Community Water System [64463.4(c)(1)]	Mail or direct delivery ^(a)	Publication in a local newspaper
		Posting ^(b) in public places served by the water system or on the Internet
		Delivery to community organizations
Non-Community Water System [64463.4(c)(2)]	Posting in conspicuous locations throughout the area served by the water system ^(b)	Publication in a local newspaper or newsletter distributed to customers
		Email message to employees or students
		Posting ^(b) on the Internet or intranet
		Direct delivery to each customer

(a) Notice must be distributed to each customer receiving a bill including those that provide their drinking water to others (e.g., schools or school systems, apartment building owners, or large private employers), and other service connections to which water is delivered by the water system.

(b) Notice must be posted in place for as long as the violation or occurrence continues, but in no case less than seven days.

The notice attached is appropriate for the methods described above. However, you may wish to modify it before using it for posting in public places served by the water system. If you do, you must still include all the required elements and leave the health effects and notification language in italics unchanged. This language is mandatory [64465].

Multilingual Requirement

Spanish. Each public notice must contain information in Spanish regarding (1) the importance of the notice or (2) contain a telephone number or address where Spanish-speaking residents may contact the water system to obtain a translated copy of the public notice or assistance in Spanish.

Non-English Speaking Groups Other than Spanish-Speaking. For each group that exceeds 1,000 residents or 10% of the residents in the community served, whichever is less, the public notice must (1) contain information in the appropriate language(s) regarding the importance of the notice or (2) contain a telephone number or address where such residents may contact the water system to obtain a translated copy of the notice or assistance in the appropriate language.

Population Served

Make sure it is clear who is served by your water system -- you may need to list the areas you serve.

Description of the Violation

Choose from the following descriptions of violations and modify to fit your situation.

- Contact Time – “In order to ensure proper disinfection, water in the treatment plant must be in contact with chlorine or a similar disinfectant for a minimum amount of time. On [date], this did not occur. Although chlorine quickly kills most bacteria, it is less effective against organisms such as viruses and parasites. For this reason, water needs to mix with chlorine for a longer time period to kill such organisms. The amount of time necessary, or the “contact time”, depends on the amount of disinfectant in the water and the temperature of the water.”
- Disinfectant Residual – “We routinely monitor for disinfectant residual in the distribution system. This measurement tells us whether we are effectively disinfecting the water supply. Disinfectant residual is the amount of chlorine or related disinfectant present in the pipes of the distribution system. If the amount of disinfectant is too low, organisms could grow in the pipes.”
- Monthly Exceedance (Distribution System) – “During the months of [months], disinfectant residual was undetected in more than 5% of samples. The standard is that disinfectant may be undetectable in no more than 5% of samples taken each month.”
- Single Exceedance (Entry to the Distribution System) – “On [date], disinfectant levels dropped below 0.2 milligrams per liter (mg/L) for [number] hours. The standard is that levels may not drop below 0.2 mg/L for more than four hours.”

Corrective Action

In your notice, describe corrective actions you are taking. Listed below are some steps commonly taken by water systems with disinfection treatment technique violations. Use one or more of the following actions, if appropriate, or develop your own:

- “We are sampling/we sampled both untreated and treated water for the presence of coliform bacteria.”
- “We are sampling/we sampled disinfectant levels and will adjust/adjusted the amount of disinfectant added as necessary to maintain adequate levels.”

After Issuing the Notice

Send a copy of each type of notice and a certification that you have met all the public notice requirements to the Department within ten days after you issue the notice [64469(d)]. You should also issue a follow-up notice in addition to meeting any repeat notice requirements the Department sets.

It is recommended that you notify health professionals in the area of the violation. People may call their doctors with questions about how the violation may affect their health, and the doctors should have the information they need to respond appropriately.

It is a good idea to issue a “problem corrected” notice when the violation is resolved.

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Este informe contiene información muy importante sobre su agua potable.
Tradúzcalo o hable con alguien que lo entienda bien.

[System]

Did Not Meet Treatment Requirement (Disinfection)

Our water system recently violated a drinking water standard. Although this is not an emergency, as our customers, you have a right to know what you should do, what happened, and what we are doing to correct this situation.

[Describe the violation - use descriptions from instructions].

What should I do?

- **You do not need to boil your water or take other actions.**
- This is not an emergency. If it had been, you would have been notified immediately. Tests taken during this same time period did not indicate the presence of bacteria in the water.
- *Inadequately treated water may contain disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches. These symptoms, however, are not caused only by organisms in drinking water, but also by other factors. If you experience any of these symptoms and they persist, you may want to seek medical advice.*
- People with severely compromised immune systems, infants, and some elderly may be at increased risk. These people should seek advice about drinking water from their health care providers. General guidelines on ways to lessen the risk of infection by microbes are available from U.S. EPA's Safe Drinking Water Hotline at 1(800) 426-4791.
- If you have other health issues concerning the consumption of this water, you may wish to consult with your doctor.

What happened? What is being done?

[Describe corrective action]. [Disinfectant residual levels/contact times] so far this month have met all requirements.

For more information, please contact [name of contact] at [phone number] or [mailing address].

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this public notice in a public place or distributing copies by hand or mail.

Secondary Notification Requirements

Upon receipt of notification from a person operating a public water system, the following notification must be given within 10 days [Health and Safety Code Section 116450(g)]:

- **SCHOOLS:** Must notify school employees, students, and parents (if the students are minors).
- **RESIDENTIAL RENTAL PROPERTY OWNERS OR MANAGERS** (including nursing homes and care facilities): Must notify tenants.
- **BUSINESS PROPERTY OWNERS, MANAGERS, OR OPERATORS:** Must notify employees of businesses located on the property.

This notice is being sent to you by [system].

State Water System ID#: _____. Date distributed: _____.

ATTACHMENT D

Proof of Public Notification Form

PROOF OF NOTIFICATION

Name of Water System: California State Polytechnic University, Pomona (University)

System Number: 1910022

Certification of Notification for Tier 2

Surface Water Treatment Disinfection Treatment Technique Violation

As required by *California Code of Regulations*, Title 22, Section 64463.4, I notified the users of the water supplied by the California State Polytechnic University, Pomona of the violation of Section 64654 (b)(2), Title 22, *California Code of Regulations*. I complied with the requirement to conduct public notification as indicated below:

<u>Required Action (indicate all that were used)</u>	<u>Date Completed</u>
Public Notification – Hand Delivery	<input type="text"/>
Public Notification - Mail Delivery	<input type="text"/>
Public Notification – Continuous Posting	<input type="text"/>
Public Notification - Consumer Confidence Report	<input type="text"/>
Public Notification - Other method Specify other method used: _____	<input type="text"/>

Signature of Water System Representative

Date

ATTACH A COPY OF THE NOTICE USED.

THIS FORM MUST BE COMPLETED AND RETURNED TO THE DEPARTMENT

