

STATE OF CALIFORNIA
WATER RESOURCES CONTROL BOARD
DIVISION OF DRINKING WATER

1
2
3
4 **IN RE:** Watershed Conservation Authority
5 Azusa Springs Water System
6 100 N. Old San Gabriel Canyon Road
7 Azusa, CA 91702
8

9 **TO:** Ms. Deborah Enos, Deputy Executive Officer
10 Watershed Conservation Authority
11

12 **CITATION FOR NONCOMPLIANCE - WATER SYSTEM NO. 1909644**

13 **CITATION NO. 04_16_15C_002**

14 **Issued on November 9, 2015**
15
16

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

21
22 The Division of Drinking Water of the State Water Resources Control Board
23 (hereinafter, Division) hereby issues a citation to Watershed Conservation Authority
24 (hereinafter, WCA), dba Azusa Springs Water System (hereinafter, ASWS), for the
25 failure to comply with Sections 64424(a)(1) and 64424(d), Title 22, California Code of
26 Regulations.
27

1 APPLICABLE AUTHORITIES

2
3 Section 116650 of the H&S Code provides:4 116650. Citations

- 5
-
- 6
-
- 7 (a)
- If the Department determines that a public water system is in violation of this*
-
- 8
- chapter or any regulation, permit, standard, citation, or order issued or adopted*
-
- 9
- thereunder, the Department may issue a citation to the public water system. The*
-
- 10
- citation shall be served upon the public water system personally or by certified*
-
- 11
- mail. Service shall be deemed effective as of the date of personal service or the*
-
- 12
- date of receipt of the certified mail. If a person to whom a citation is directed*
-
- 13
- refuses to accept delivery of the certified mail, the date of service shall be*
-
- 14
- deemed to be the date of mailing.*
-
- 15
-
- 16 (b)
- Each citation shall be in writing and shall describe the nature of the violation or*
-
- 17
- violations, including a reference to the statutory provision, standard, order,*
-
- 18
- citation, permit, or regulation alleged to have been violated.*
-
- 19
-
- 20 (c)
- A citation may specify a date for elimination or correction of the condition*
-
- 21
- constituting the violation.*
-
- 22
-
- 23 (d)
- A citation may include the assessment of a penalty as specified in subdivision*
-
- 24
- (e).*
-
- 25
-
- 26 (e)
- The Division may assess a penalty in an amount not to exceed one thousand*
-
- 27
- 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, California Code of Regulations, Sections 64424(a)(1) and 64424(d) state in
5 relevant part:

6
7 Sections 64424(a)(1)

8
9 (a) *If a routine sample is total coliform-positive, the water supplier shall collect a*
10 *repeat sample set as described in paragraph (1) within 24 hours of being notified*
11 *of the positive result. The repeat samples shall all be collected within the same*
12 *24 hour time period. A single service connection system may request that the*
13 *State Board allow the collection of the repeat sample set over a four-day period.*

14
15 (1) *For a water supplier that normally collects more than one routine sample a*
16 *month, a repeat sample set shall be at least three samples for each total*
17 *coliform-positive sample. For a water supplier that normally collects one or*
18 *fewer samples per month, a repeat sample set shall be at least four samples*
19 *for each total coliform-positive sample.*

20
21 Section 64424(d)

22
23 (d) *If a public water system for which fewer than five routine samples/month are*
24 *collected has one or more total coliform-positive samples, the water supplier shall*
25 *collect at least five routine samples the following month. If the supplier stops*
26 *supplying water during the month after the total coliform-positive(s), at least five*
27 *samples shall be collected during the first month the system resumes operation.*

1 A water supplier may request the State Board waive the requirement to collect at
2 least five routine samples the following month, but a waiver will not be granted
3 solely on the basis that all repeat samples are total coliform-negative. To request
4 a waiver, one of the following conditions shall be met:

5
6 (1) The State Board conducts a site visit before the end of the next month the
7 system provides water to the public to determine whether additional monitoring
8 and/or corrective action is necessary to protect public health.

9
10 (2) The State Board determines why the sample was total coliform-positive and
11 establishes that the system has corrected the problem or will correct the problem
12 before the end of the next month the system serves water to the public. If a
13 waiver is granted, a system shall collect at least one routine sample before the
14 end of the next month it serves water to the public and use it to determine
15 compliance with Section 64426.1.

16 **STATEMENT OF FACTS**

17 Background

18
19
20 ASWS is a small transient noncommunity water system located within the northern
21 boundary of the city of Azusa. It supplies water to seven full-time employees and one
22 part-time employee in the WCA office building and five residents residing in three
23 residential dwellings through unmetered service connections.
24

25
26 WCA owns and operates the ASWS water system under the authority of a Domestic
27 Water Supply Permit issued by the County of Los Angeles, Department of Public

1 Health (hereinafter, County), on October 18, 2013. Regulatory authority over the
2 ASWS water system was transferred from the County to the Division on July 1, 2014.
3 WCA has hired Waterworks Technology, Inc. (hereinafter, WTI), to operate the ASWS
4 water system. The source of raw water is one well located less than 50 feet from the
5 San Gabriel River and is considered to be under the direct influence of surface water.
6 The ASWS water system consists of the well, two chlorination systems, a filtration
7 system, two storage tanks, and accompanying distribution system pipes.

8
9 Water is first chlorinated immediately downstream of the well. Water is then delivered
10 to the filtration system. The ASWS filtration system consists of coagulation and two
11 pressure vessel media filters arranged in series, manufactured by the Environmental
12 Products Division of Hoffinger Industries (hereinafter, EPD). The maximum design
13 capacity is 50 gallons per minute (gpm). The EPD filters are an alternative filtration
14 technology approved by the Division. The filter effluent is chlorinated by the second
15 chlorination system and delivered to two storage tanks arranged in parallel serving as
16 clearwells, each with a capacity of 10,000 gallons. From the clearwells, water is
17 delivered to the distribution system via gravity flow.

18
19 The Bacteriological Sample Siting Plan (hereinafter, BSSP) for the ASWS water
20 system, dated May 29, 2013, identifies four routine sampling sites, three of which are
21 located in the distribution system and one is located at the well. ASWS submitted a
22 revised BSSP and map of the water system dated September 15, 2014, removing the
23 well as a routine sampling site. As a result, three routine sampling sites remain. These
24 three sites are located at the office (Sample Site #1), at a fire hydrant at the end of a
25 6-inch distribution line (Sample Site #2), and the 2-inch galvanized steel distribution
26 system main adjacent to the filtration system between the storage tanks and the office
27 (Sample Site #3). ASWS collects one routine sample monthly, rotating amongst the

1 three routine sampling sites. The BSSP lists the repeat sampling locations for each
2 routine sample site. ASWS contracts the Clinical Laboratory of San Bernardino, Inc.
3 (hereinafter, Laboratory), for coliform bacteria analyses. WTI measures chlorine
4 residuals at the same time as collecting the routine bacteriological sample from the
5 distribution system.

6 Summary of Event

7 Tuesday, August 12, 2014

8
9 At 2:30 PM, WTI collected a routine sample from Sample Site #1. The sample was
10 delivered to the Laboratory at 4:40 PM.
11

12 Friday, August 15, 2014

13 At 9:16 AM, the Laboratory provided the laboratory report (Attachment 1) via e-mail to
14 WTI and the Division, indicating that the routine sample collected from Sample Site #1
15 had levels of <1.0 MPN/100 mL each for total coliform and *E. Coli*.
16

17 Friday, August 29, 2014

18 At 12:00 PM, WTI collected a routine sample from Sample Site #1. The sample was
19 delivered to the Laboratory at 1:40 PM.
20

21 Saturday, August 30, 2014

22 According to the laboratory report (Attachment 2) provided by the Laboratory on
23 September 2, 2014, the Laboratory notified Mr. George Cambero from WTI on August
24 30, 2014 at 9:00 AM that the routine sample collected from Sample Site #1 on August
25 29, 2014 had a total coliform level of 4.2 MPN/100 mL and an *E. Coli* level of <1.0
26

27

1 MPN/100 mL. WTI collected a repeat sample from Sample Site #1 on August 30,
2 2014 at 12:00 PM.

3
4 Sunday, August 31, 2014

5 At 10:10 AM, WTI delivered the repeat sample collected on August 30, 2014 to the
6 Laboratory.

7
8 Tuesday, September 2, 2014

9 At 4:34 PM, the Laboratory provided the laboratory report (Attachment 2) for the
10 routine sample collected on August 29, 2014 via e-mail to WTI and the Division.

11
12 Wednesday, September 3, 2014

13 At 2:14 PM, the Laboratory provided the laboratory report (Attachment 3) for the
14 repeat sample collected on August 30, 2014 via e-mail to WTI and the Division,
15 indicating that the repeat sample collected from Sample Site #1 had levels of <1.0
16 MPN/100 mL each for total coliform and *E. Coli*.

17
18 Tuesday, September 9, 2014

19 At 10:37 PM, Mr. Cambero from WTI provided monitoring reports for the ASWS water
20 system for the month of August 2014 to the Division via e-mail (Attachment 4). These
21 reports include the Monthly Summary of Distribution System Coliform Monitoring,
22 Monthly Summary of Monitoring for Surface Water Treatment Regulations, and CT
23 Calculation Report. The Monthly Summary of Distribution System Coliform Monitoring
24 incorrectly states that there were no total coliform positive routine samples and no
25 repeat samples following routine samples which are total coliform positive and fecal/*E.*
26 *Coli* negative in August 2014. It should have stated that there was one routine sample
27 that was total coliform positive and that one repeat sample was collected following a

1 routine sample which was total coliform positive and fecal/*E. Coli* negative in August
2 2014.

3
4 Friday, September 19, 2014

5 At 2:00 PM, WTI collected a routine sample from Sample Site #2. The sample was
6 delivered to the Laboratory at 3:27 PM.

7
8 Wednesday, September 24, 2014

9 At 3:22 PM, the Laboratory provided the laboratory report (Attachment 5) for the
10 routine sample collected from Sample Site #2 on September 19, 2014 via e-mail to
11 WTI and the Division. The sample had a total coliform and *E. Coli* density of <1.0
12 MPN/100 mL each.

13
14 Friday, October 10, 2014

15 At 9:07 PM, Mr. Cambero from WTI provided monitoring reports for the ASWS water
16 system for the month of September 2014 to the Division via e-mail (Attachment 6).
17 These reports include the Monthly Summary of Distribution System Coliform
18 Monitoring, Monthly Summary of Monitoring for Surface Water Treatment Regulations,
19 and CT Calculation Report. The Monthly Summary of Distribution System Coliform
20 Monitoring states that one routine sample was collected from the distribution system in
21 September 2014, supporting the laboratory report provided by the Laboratory.
22 However, ASWS was required to collect five (5) routine samples in September 2014
23 due to the total coliform positive sample collected in the previous month. The Monthly
24 Summary of Distribution System Coliform Monitoring should have stated that five
25 routine samples were required to be collected in September 2014.

1 **DETERMINATIONS**

2
3 The Division has determined that ASWS is in violation of Sections 64424(a)(1) and
4 64424(d) of Title 22, California Code of Regulations for failure to collect four repeat
5 samples within 24 hours of being notified that the routine sample collected on August
6 29, 2014 tested positive for total coliform and negative for *E. Coli* and for failure to
7 collect five routine samples in September 2014, the month following the total coliform
8 positive sample. ASWS was made aware by the Laboratory of the total coliform
9 positive sample but did not collect enough repeat samples nor enough routine
10 samples in the following month.

11
12 **DIRECTIVES**

13
14 ASWS is hereby directed to take the following actions:

- 15
16 1. ASWS shall ensure that all monthly routine coliform samples are collected,
17 delivered, analyzed, and reported in a timely manner. ASWS shall develop internal
18 procedures to ensure that these requirements will be met on a monthly basis. This
19 should include, but not be limited to, obtaining a copy of the chain-of-custody as
20 samples are delivered to its laboratory and ensuring that staff collecting samples
21 are trained on the procedure document. ASWS shall provide the Division with its
22 procedure document for review and comment by **January 31, 2016**.
- 23
24 2. ASWS staff responsible for overseeing the compliance with Title 22 monitoring and
25 reporting requirements and staff responsible for collecting the samples shall be
26 fully trained to carry out their duties. By **April 30, 2016**, ASWS shall submit a letter
27 listing the names of the trainees, contents of the training sections (courses), and

1 dates and locations of these training sections provided. If in-house training is used,
2 information regarding the experiences and qualifications of the instructors shall
3 also be provided. The training courses must be related to water quality monitoring,
4 reporting, and notification regulations.

- 5
6 3. Under the Public Notification Requirements, the August and September 2014 total
7 coliform monitoring violations are classified as **Tier 3 Violations**. Within one year
8 of receiving this citation, ASWS shall complete the public notification and inform
9 persons served by the ASWS water system. ASWS shall deliver the notice to
10 each customer receiving a bill by mail or direct delivery. A template for the Tier 3
11 public notice is attached (Attachment 7). Public notification may also be
12 accomplished by using the annual report, also known as the Consumer Confidence
13 Report (pursuant to Section 64463.7(b)(3)). Whether the public notification is
14 provided by using the template or the Consumer Confidence Report, the content of
15 the notice shall be approved by the Division prior to issuance. A copy of the
16 notification shall be submitted to the Division **within 10 days of issuance** of the
17 Tier 3 public notice, along with the enclosed proof of notification form (Attachment
18 8).

19
20 The Division reserves the right to make modifications to this Citation, as it may deem
21 necessary to protect public health and safety. Such modifications may be issued as
22 amendments to this Citation and shall be effective upon issuance.

23
24 Nothing in this Citation relieves ASWS of its obligation to meet the requirements of
25 H&S Code, Division 104, Part 12, Chapter 4 (California Safe Drinking Water Act), or
26 any regulation, permit, standard or order issued or adopted thereunder.

27

1 All submittals required by this Citation shall be submitted to the Division at the
2 following address:

3
4 Sutida Bergquist, P.E.
5 District Engineer, Central District
6 State Water Resources Control Board
7 Division of Drinking Water
8 500 N. Central Avenue, Suite 500
9 Glendale, CA 91203

10
11 **PARTIES BOUND**

12
13 This Citation shall apply and be binding upon ASWS, its officers, managers, agents,
14 employees, contractors, successors and assignees.

15
16 **SEVERABILITY**

17
18 The directives of this citation are severable, and ASWS shall comply with each and
19 every provision thereof notwithstanding the effectiveness of any provision.

20
21 **FURTHER ENFORCEMENT ACTION**

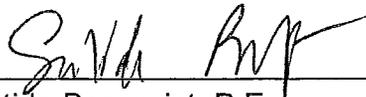
22
23 Division 104, Part 12, Chapter 4, (commencing with Section 116270) of the H&S Code
24 authorizes the Division to issue additional citations with assessment of penalties if a
25 public water system continues to fail to correct a violation identified in a citation; take
26 action to suspend or revoke a permit that has been issued to a public water system if
27 the system has violated applicable law or regulations or has failed to comply with

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

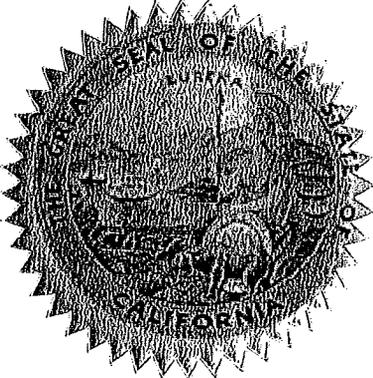
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November 9, 2015

Date



Sutida Bergquist, P.E.
District Engineer
Central District

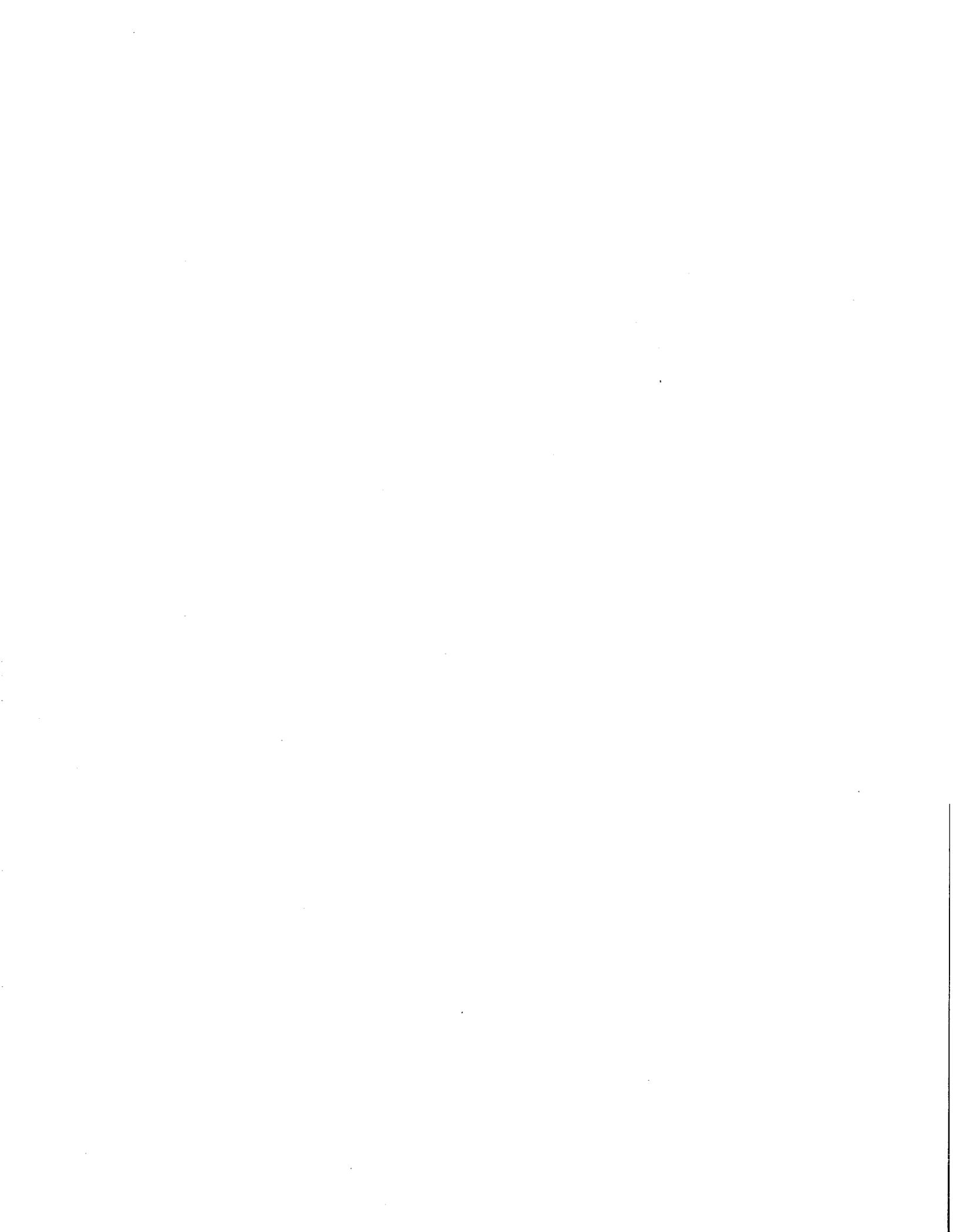


1 Attachments (8):

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- 1. Laboratory report for standard bacteriological analysis for sample collected on August 12, 2014
- 2. Laboratory report for standard bacteriological analysis for sample collected on August 29, 2014
- 3. Laboratory report for standard bacteriological analysis for sample collected on August 30, 2014
- 4. August 2014 Monthly Summary of Distribution System Coliform Monitoring submitted via e-mail on September 9, 2014
- 5. Laboratory report for standard bacteriological analysis for sample collected on September 19, 2014
- 6. September 2014 Monthly Summary of Distribution System Coliform Monitoring submitted via e-mail on October 10, 2014
- 7. Tier 3 Public Notification Template
- 8. Proof of Notification Certification Form

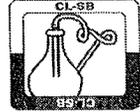
BY CERTIFIED MAIL NO. 7012 3460 0002 3404 3685



**Laboratory Report for Standard Bacteriological Analysis for
Sample Collected on August 12, 2014**



Clinical Laboratory of San Bernardino, Inc.



Client: Water Works Technology
2415 South Westboro Avenue
Alhambra CA, 91803

Contact: Cornell Gillenwater
Phone: (909) 239-0087
Fax: (626) 403-4121
System: 1909644

Project: Standard Bacti Analysis

Sub Project: Azusa Watershed

Sampler: George Cambero

Sampled: 08/12/14

Received: 08/12/14 16:40

Reported: 08/15/14

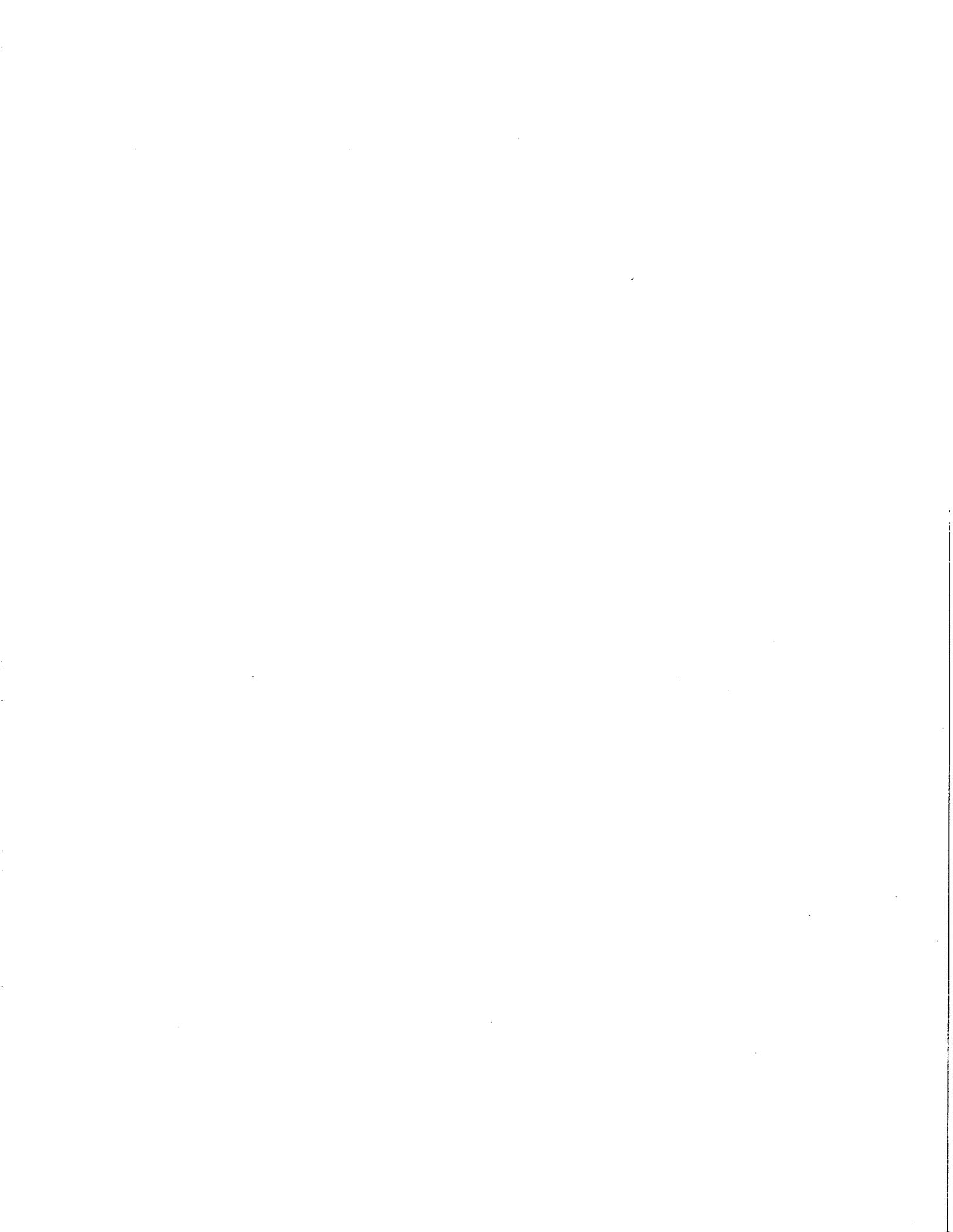
RESULTS

Laboratory ID	Sample Time	Sample Location	Cl Res (Field) mg/L	Total Coliform (Density) MPN/100 mL	E. Coli (Density) MPN/100 mL
14H1003-01	14:30	Sample Site 1	2.25	<1.0	<1.0

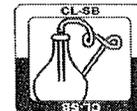
Stu Styles

Client Services Manager

**Laboratory Report for Standard Bacteriological Analysis for
Sample Collected on August 29, 2014**



Clinical Laboratory of San Bernardino, Inc.



Client: Water Works Technology
2415 South Westboro Avenue
Alhambra CA, 91803

Contact: Cornell Gillenwater
Phone: (909) 239-0087
Fax: (626) 403-4121
System: 1909644

Project: Standard Bacti Analysis

Sub Project: Azusa Watershed

Sampler: George Cambero

Sampled: 08/29/14

Received: 08/29/14 13:40

Reported: 09/02/14

RESULTS

Laboratory ID	Sample Time	Sample Location	Cl Res (Field) mg/L	Total Coliform (Density) MPN/100 mL	E. Coli (Density) MPN/100 mL
14H2537-01	12:00	Sample Site 1	1.30	4.2 [1]	<1.0
14H2537-02	12:06	Well		<1.0	<1.0

1 = Notified George Cambero 8/30/14 0900

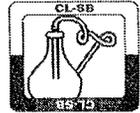
Stu Styles

Client Services Manager

**Laboratory Report for Standard Bacteriological Analysis for
Sample Collected on August 30, 2014**



Clinical Laboratory of San Bernardino, Inc.



Client: Water Works Technology
2415 South Westboro Avenue
Alhambra CA, 91803

Contact: Cornell Gillenwater
Phone: (909) 239-0087
Fax: (626) 403-4121
System: 1909644

Project: Azusa Springs Water System
Sub Project: Azusa Spring Water System

Sampler: George Cambero
Sampled: 08/30/14

Received: 08/31/14 10:10

Reported: 09/02/14

RESULTS

Laboratory ID	Sample Time	Sample Location	Cl Res Free (Field) mg/L	Total Coliform (Density) MPN/100 mL	E. Coli (Density) MPN/100 mL
14I0011-01	12:00	Azusa Springs Sample Site 1	0.90	<1.0	<1.0

Stu Styles

Client Services Manager

Clinical Laboratory of San Bern Chain of Custody

CD Date: 08/31/14 Pour Off: N
 18-hr 44.5 °C Bath in: 1200 Bath out: _____
 24-hr Setup Time: _____
 Hold Time: 24 hrs P/A: N HPC: N
 PA-QT Read: 9/01/14 @ _____
 HPC Read: _____ @ _____

AF001

Client: Water Works Technology 5415 South Westboro Avenue Alhambra, CA 91803		Destination Laboratory	
Phone #: (909) 239-0087		<input checked="" type="checkbox"/> Clinical Laboratory	
Fax #: (626) 403-4121		CDHP Compliance	
Project: Standard Analysis		YES	
Sub Project:		ELAP#	
Comments:		1088	
Sampled by: Oscar Cambero			
Date:	Time:	Type/ Mat:	Field Temp (°C):
8/30/14	1200	Arusa Springs site #1 DW	0.90
Preservatives: (1) Na2S2O3 (2) HCl (3) HNO3 (4) NH4Cl (5) H2SO4 (6) Na2SO3 (7) Cold (8) Other:		Matrix: DW-Drinking Water, WW-Waste Water, SW-Storm Water, GW-Ground Water, W-Well D-Dist. Type- 1-Routine, 2-Repeat, 3-Replacement, 4-Special	
Requested By (Sign): <i>[Signature]</i>		Received By (Sign): <i>[Signature]</i>	
Firm Name / Company: Oscar Cambero / WaterWorks		Firm Name / Company: Skavously / CLSB Inc.	
Date / Time: 8/31/14 10:10		Date / Time: _____	
Shipped Via: <input checked="" type="checkbox"/> FedX <input type="checkbox"/> Golden State <input type="checkbox"/> UPS <input type="checkbox"/> Client <input type="checkbox"/> Other		Page 1 of 1	
Comments: _____		Samples received: () On ice () Intact () Custody seals Temp: 8.5° () F () C	

Quantity

2005

"Your Water and Wastewater Analysis Solution"

**August 2014 Monthly Summary of Distribution System Coliform
Monitoring Submitted via e-Mail on September 9, 2014**





2415 S. Westboro Ave.
Alhambra, CA 91803
888-277-4677
Fax. 703-412-7121

LOS ANGELES COUNTY ♦ DEPARTMENT OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH
Bureau of Environmental Protection Drinking Water Program
5050 Commerce Drive, Baldwin Park, CA 91706
(626) 430-5420 Fax (626) 813-3016

September 9th, 2014

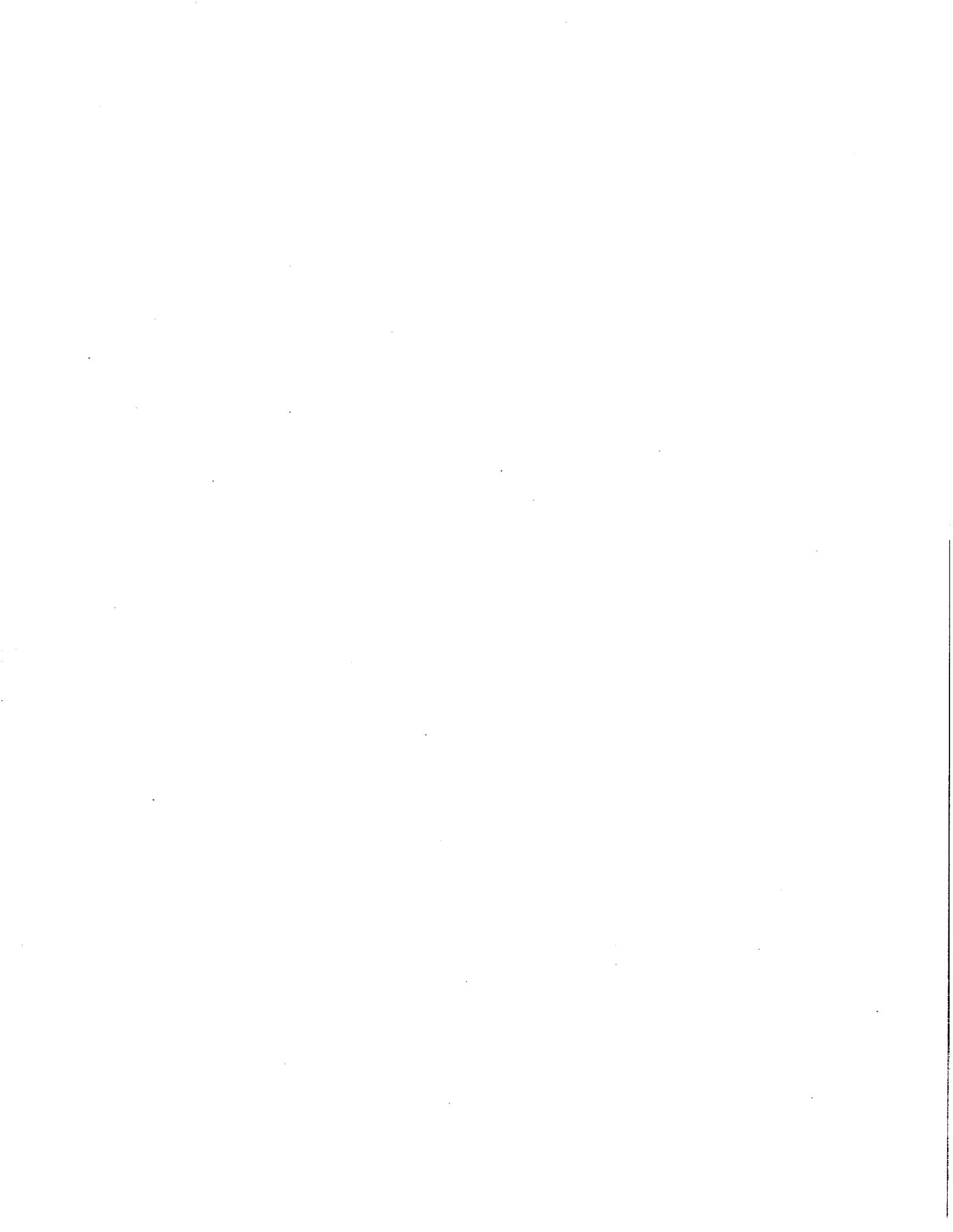
To Whom It May Concern:

Please see the attached water report for Azusa Springs Water System #1909644 for August 2014. If you have any questions or concerns, please do not hesitate to call me directly at (951) 285-9789.

Best Regards,

A handwritten signature in cursive script, appearing to read "George Cambero".

George Cambero
Waterworks Technology, Inc.



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

System Name: Azusa Springs Water System System No.: 1909644
 Treatment Plant Name: Azusa Springs Filtration System Month: August Year: 2014

Treated Water Turbidities (NTU)*

DATE:	RAW WATER TURBIDITY	TREATED WATER TURBIDITY	CHLORINE RESIDUAL
1			
2	0.178	0.050	2.65
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13	0.074	0.052	1.20
14			
15	0.110	0.045	1.30
16			
17			
18			
19	0.128	0.056	2.22
20			
21			
22	0.080	0.062	1.35
23			
24			
25			
26	0.079	0.046	1.30
27			
28			
29	0.142	0.044	1.29
30			
31			
1			
AVERAGE	0.113	0.051	1.62

* If a continuous monitoring turbidimeter is used, determine the discrete turbidity value for the same times during each four period hour

Total No. of samples: 7 No. of readings <0.5 NTU: 7

% Readings <0.5 NTU = $\frac{\text{No Readings } <0.5 \text{ NTU}}{\text{Total No. Readings}} \times 100 = 100\%$

Total No. Readings

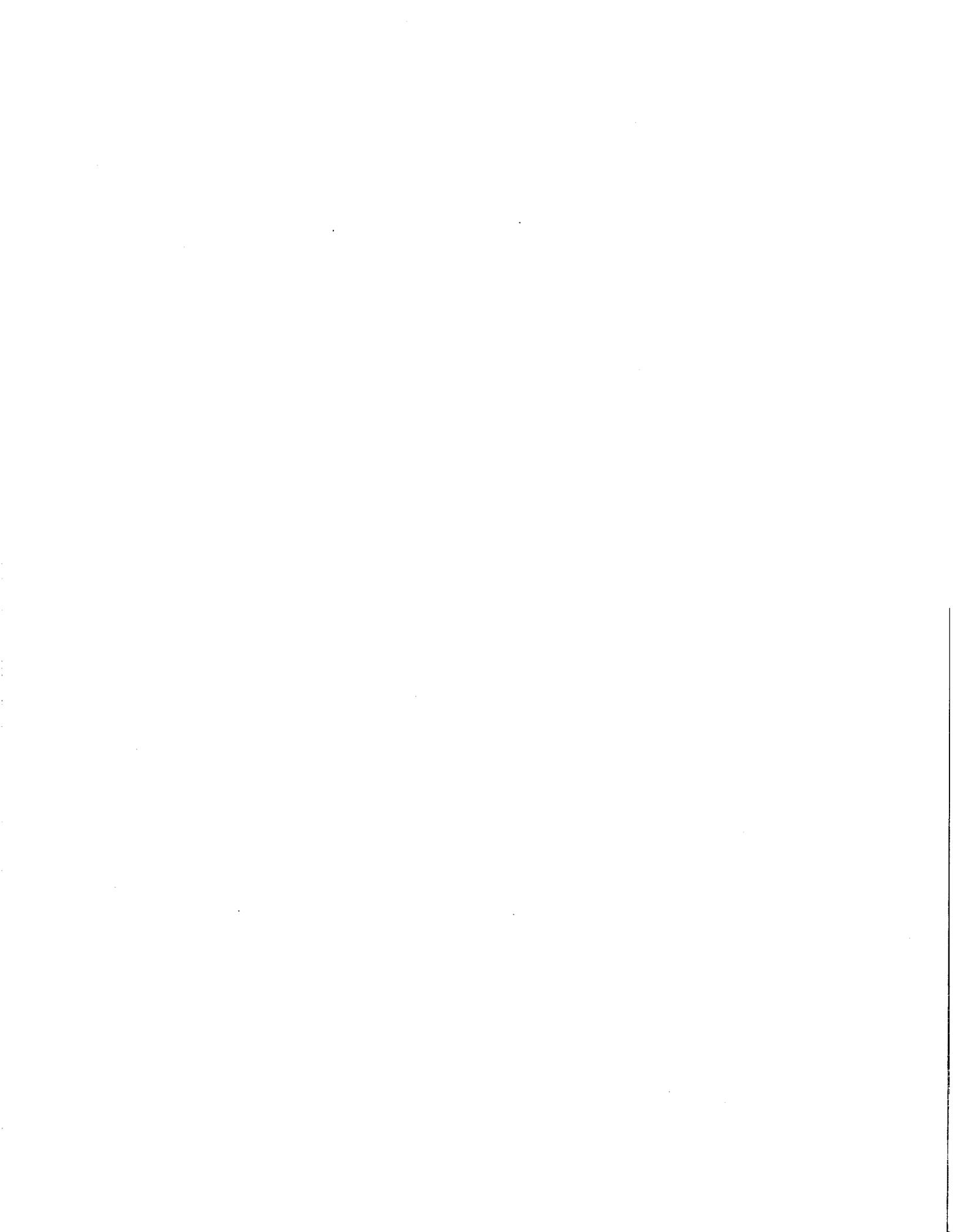
Meets Standard (i.e More than 95% of readings are <0.5 NTU) (Y/N)? YES

Average percent reduction during the month = $\frac{\text{Average Raw NTU} - \text{Average Effluent NTU}}{\text{Average Raw NTU}} \times 100 =$ -44.77

Meet Standard (i.e Reduction is greater than 80%) (Y/N)? Y

Incidents of turbidity greater than 1.0 NTU

Date of			
Value			
Duration			



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

System Name: Azusa Springs Water System System Number: 1909644
 Plant Name: Azusa Springs Month/Year: August-14

Date	Peak Raw Water Turbidity	1st stage Water Turbidity ²	2nd stage/final Water Turbidity	Treated water turbidities every four hours (NTU) ¹						Average
				Sample #1	Sample #2	Sample #3	Sample #4	Sample #5	Sample #6	
Fri 1										-
Sat 2	0.178	0.068	0.050	0.068	0.053					0.061
Sun 3										-
Mon 4										-
Tue 5										-
Wed 6										-
Thu 7										-
Fri 8										-
Sat 9										-
Sun 10										-
Mon 11										-
Tue 12										-
Wed 13	0.074	0.067	0.052	0.039	0.030					0.035
Thu 14										-
Fri 15	0.110	0.090	0.045	0.035	0.032					0.034
Sat 16										-
Sun 17										-
Mon 18										-
Tue 19	0.128	0.065	0.056	0.044	0.038					0.041
Wed 20										-
Thu 21										-
Fri 22	0.080	0.093	0.062	0.030	0.037					0.034
Sat 23										-
Sun 24										-
Mon 25										-
Tue 26	0.079	0.067	0.046	0.038	0.029					0.034
Wed 27										-
Thu 28										-
Fri 29	0.142	0.068	0.044	0.058	0.048					0.053
Sat 30										-
Sun 31										-
Avg.	0.113	0.074	0.051	0.045	0.038	-	-	-	-	0.041

¹ For continuous turbidity monitoring, a discrete turbidity value must be taken off the record chart at four hour intervals.

² Raw water turbidity must be monitored after returned flow.

Note: See Directions on reporting peak recycle, raw, and settled water turbidities.

Total Number of Samples:	<u>14</u>	Number of readings <= 0.2 NTU:	<u>14</u>
% Readings <= 0.2 NTU:	<u>100.0%</u>	Average Effluent NTU:	<u>0.041</u>
Meets Standard (i.e. at least 95% of readings are <= 0.2 NTU) (Y/N)?			<u>Yes</u>
		Maximum discrete turbidity value:	<u>0.068</u>
Average percent reduction during the month = [(Average Raw NTU - Average Effluent NTU)/(Average Raw NTU)] x 100% =			<u>44.1%</u>
Meets Standard (i.e. Reduction is greater than 80%) (Y/N)?			<u>NO</u>

Percentile Results:	
50 th =	0.038
xth Percentile NTU Value of all turbidity readings: (x% of all turbidity readings are less than these values)	90 th = 0.057
	95 th = 0.062
	98 th = 0.065
	99 th = 0.067

Combined Filter Effluent Reporting

Incidents of turbidity greater than 1 NTU for more than 1 hour.

Date of Incident	1/1/11	11									
Value											

Incidents of turbidity greater than 1.0 NTU for more than 8 consecutive hours while the plant is operating.

Date of Incident											
Value											

Individual Filter Effluent Reporting

Azusa Springs

Were individual filters monitored and recorded at least once every 15 minutes?

Were there any trigger violations?

Incidents of turbidity greater than 1.0 NTU in two consecutive measurements taken no more than 15 minutes apart.

Date of Incident											
Value											
Filter Number											

Incidents of turbidity greater than 0.3 NTU in two consecutive measurements taken 15 minutes apart at the end of the first 60 minutes of continuous filter operation after the filter has been backwashed or otherwise taken offline.

Date of Incident											
Value											
Filter Number											

Incidents of turbidity greater than 1.0 NTU in two consecutive measurements taken no more than 15 minutes apart at any time in each of three consecutive months.

Date of Incident											
Value											
Filter Number											

Incidents of turbidity greater than 2.0 NTU in two consecutive measurements taken no more than 15 minutes apart at any time in each of two consecutive months.

Date of Incident											
Value											
Filter Number											

Turbidity Instrument Calibration

Indicate the date that the turbidimeters that are used for regulatory monitoring purposes were calibrated:

Date	Which Turbidimeter	Which standards used, primary or secondary	Date	Which Turbidimeter	Which standards used, primary or secondary
Aug-14	HACH 1720	Primary			
Aug-14	HACH 1720	Secondary			

Disinfection Process Data

Azusa Springs

Disinfectant residual type (check one):

Incidents of chlorine residuals less than 0.2 ppm at the plant effluent:

Date of Incident			
Duration			
Date Dept. Notified			

Total number of incidents where residual is < 0.2 ppm: 0
 Meet Standard (i.e. is not less than 0.2 ppm for more than four hours (Y/N)? Yes

Number of distribution system residual samples collected:	14
Number of distribution system samples for HPC only:	
Total number of residual and/or HPC samples collected:	14
Number of samples with no detectable residual and HPC is not measured:	
Number of samples with no residual and HPC > 500 CFU/mL:	
Number of samples for HPC only and HPC > 500 CFU/mL:	
Total number of samples with no residual and/or HPC > 500 CFU/mL:	0

Compute V:

Where V = [1 - (Total No. of samples with no residual and/or HPC > 500)/(Total No. of residual and/or HPC samples collected)] x 100

V = 100.0%

Meets Standard (i.e. V >= 95%) (Y/N) ? Yes

SUMMARY OF WATER QUALITY COMPLAINTS

General Complaints:

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

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

Person Reporting	Date	Corrective Actions Taken

Attach an explanation of any failure of the performance standards or operating criteria and corrective action taken or planned.

Signature: _____

Margaret [Signature]

Date: _____

9/9/2014

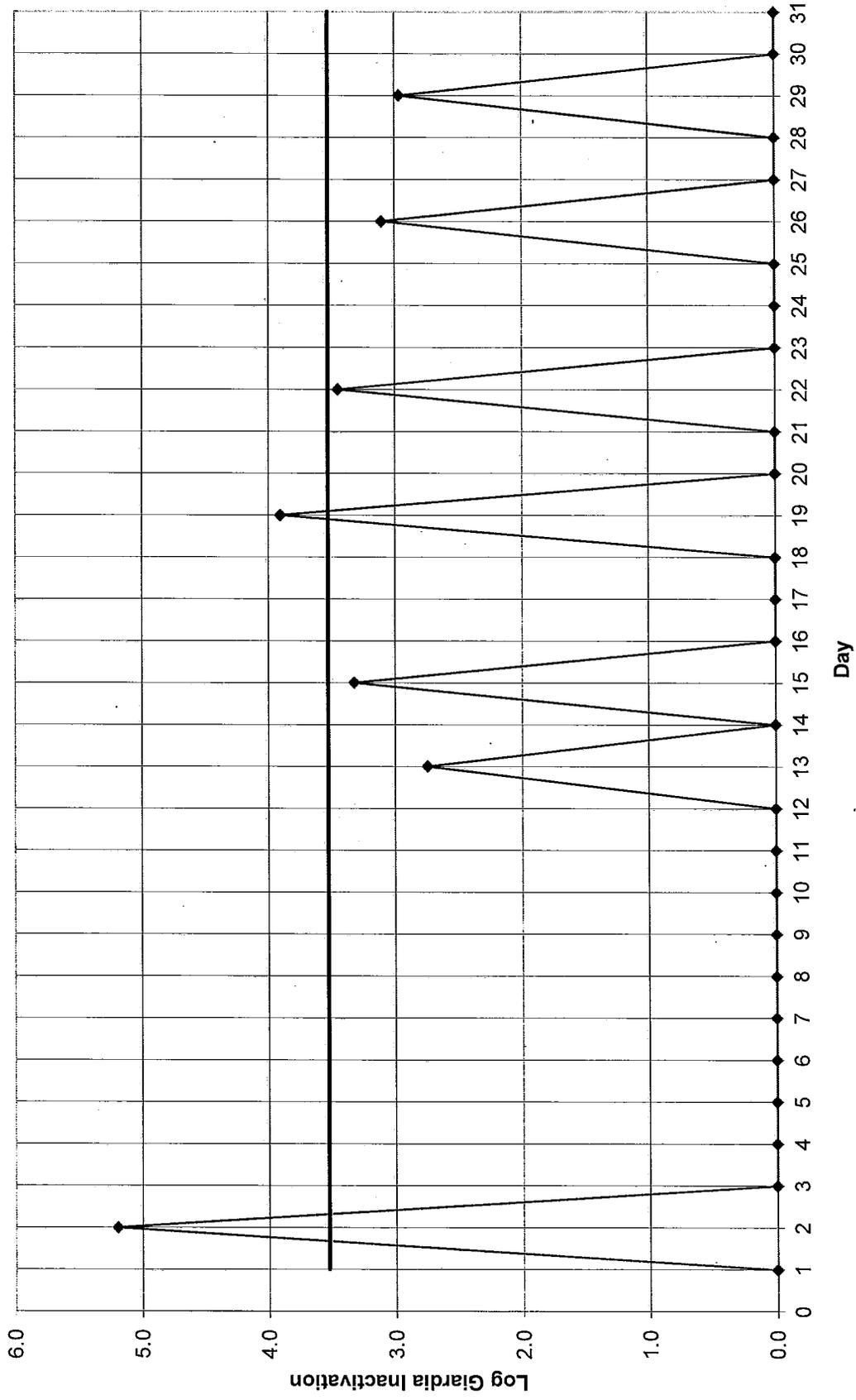
CT Compliance for Giardia Lambia Cysts by Free Chlorine

Input Parameters:
 Water System Name: Azusa Springs Water System
 Number of Service Connections: 5
 System Number: 1909644
 Month and Year: August-14
 Cleanwell(s) - Volume per Foot: 2,000 Gallons/Ft
 Short-Circuiting Factor for Cleanwell(s): 0.10 T₁₀/T
 Required Log Inactivation of Giardia Cyst: 1.0 Log

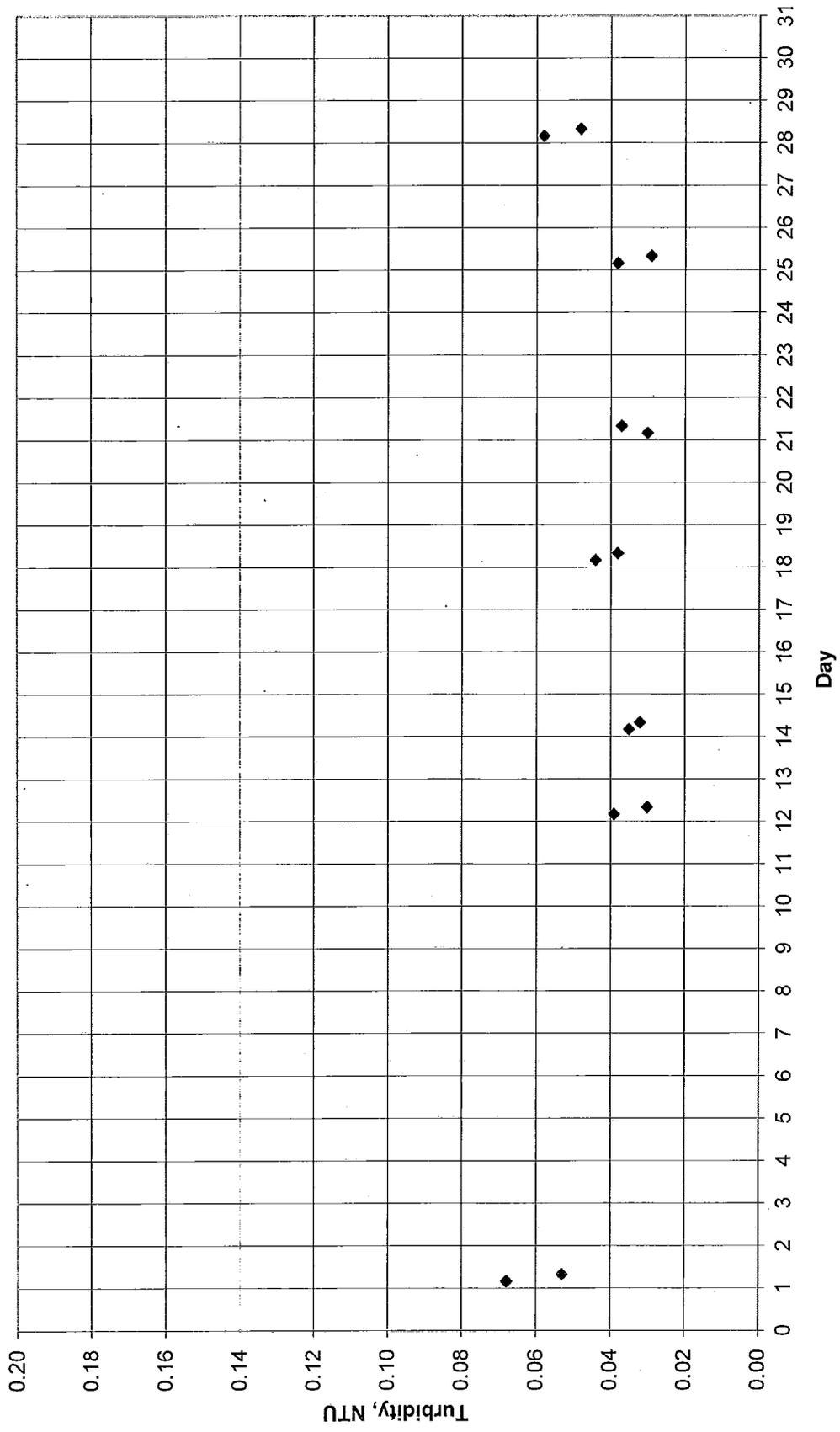
Date	Cleanwell Data					CT Results				Chlorine Species			
	Lowest Level/ft	Effective Volume-gal	Peak-Hourly Flow-Rate-gpm	Contact Time-minutes	Lowest Temperature, °C	Max. pH	Lowest Chlorine Residual, mg/L	Required CT	Calculated CT ₁₀	Inactivation Ratio (CT _{calc} /CT _{reqd})	Calculated Log Inactivation	Percent of HOCl in Water	Percent of OCl ⁻ in Water
Fri 1	-	-	-	-	-	-	-	-	-	-	-	-	-
Sat 2	7.5	1,500	25	58.9	18.7	7.1	2.50	28	147	1.73	5.2	76.0%	24.0%
Sun 3	-	-	-	-	-	-	-	-	-	-	-	-	-
Mon 4	-	-	-	-	-	-	-	-	-	-	-	-	-
Tue 5	-	-	-	-	-	-	-	-	-	-	-	-	-
Wed 6	-	-	-	-	-	-	-	-	-	-	-	-	-
Thu 7	-	-	-	-	-	-	-	-	-	-	-	-	-
Fri 8	-	-	-	-	-	-	-	-	-	-	-	-	-
Sat 9	-	-	-	-	-	-	-	-	-	-	-	-	-
Sun 10	-	-	-	-	-	-	-	-	-	-	-	-	-
Mon 11	-	-	-	-	-	-	-	-	-	-	-	-	-
Tue 12	-	-	-	-	-	-	-	-	-	-	-	-	-
Wed 13	7.2	1,440	26	56.0	19.1	7.1	1.20	24	67	0.92	2.7	74.5%	25.5%
Thu 14	-	-	-	-	-	-	-	-	-	-	-	-	-
Fri 15	7.1	1,420	25	56.1	20.7	7.3	1.30	22	73	1.11	3.3	68.2%	31.8%
Sat 16	-	-	-	-	-	-	-	-	-	-	-	-	-
Sun 17	-	-	-	-	-	-	-	-	-	-	-	-	-
Mon 18	-	-	-	-	-	-	-	-	-	-	-	-	-
Tue 19	7.4	1,486	25	58.3	18.8	7.0	1.77	26	103	1.30	3.9	78.4%	21.6%
Wed 20	-	-	-	-	-	-	-	-	-	-	-	-	-
Thu 21	-	-	-	-	-	-	-	-	-	-	-	-	-
Fri 22	8.1	1,614	26	62.5	19.1	7.1	1.35	24	84	1.15	3.4	76.7%	23.3%
Sat 23	-	-	-	-	-	-	-	-	-	-	-	-	-
Sun 24	-	-	-	-	-	-	-	-	-	-	-	-	-
Mon 25	-	-	-	-	-	-	-	-	-	-	-	-	-
Tue 26	6.6	1,318	25	52.8	20.6	7.3	1.30	22	69	1.03	3.1	65.7%	34.3%
Wed 27	-	-	-	-	-	-	-	-	-	-	-	-	-
Thu 28	-	-	-	-	-	-	-	-	-	-	-	-	-
Fri 29	7.1	1,424	25	56.2	19.1	7.1	1.29	24	72	0.99	3.0	77.5%	22.5%
Sat 30	-	-	-	-	-	-	-	-	-	-	-	-	-
Sun 31	-	-	-	-	-	-	-	-	-	-	-	-	-
								Average:		1.18	3.53		

Azusa Springs Log Giardia Inactivation for Chlorine Disinfection

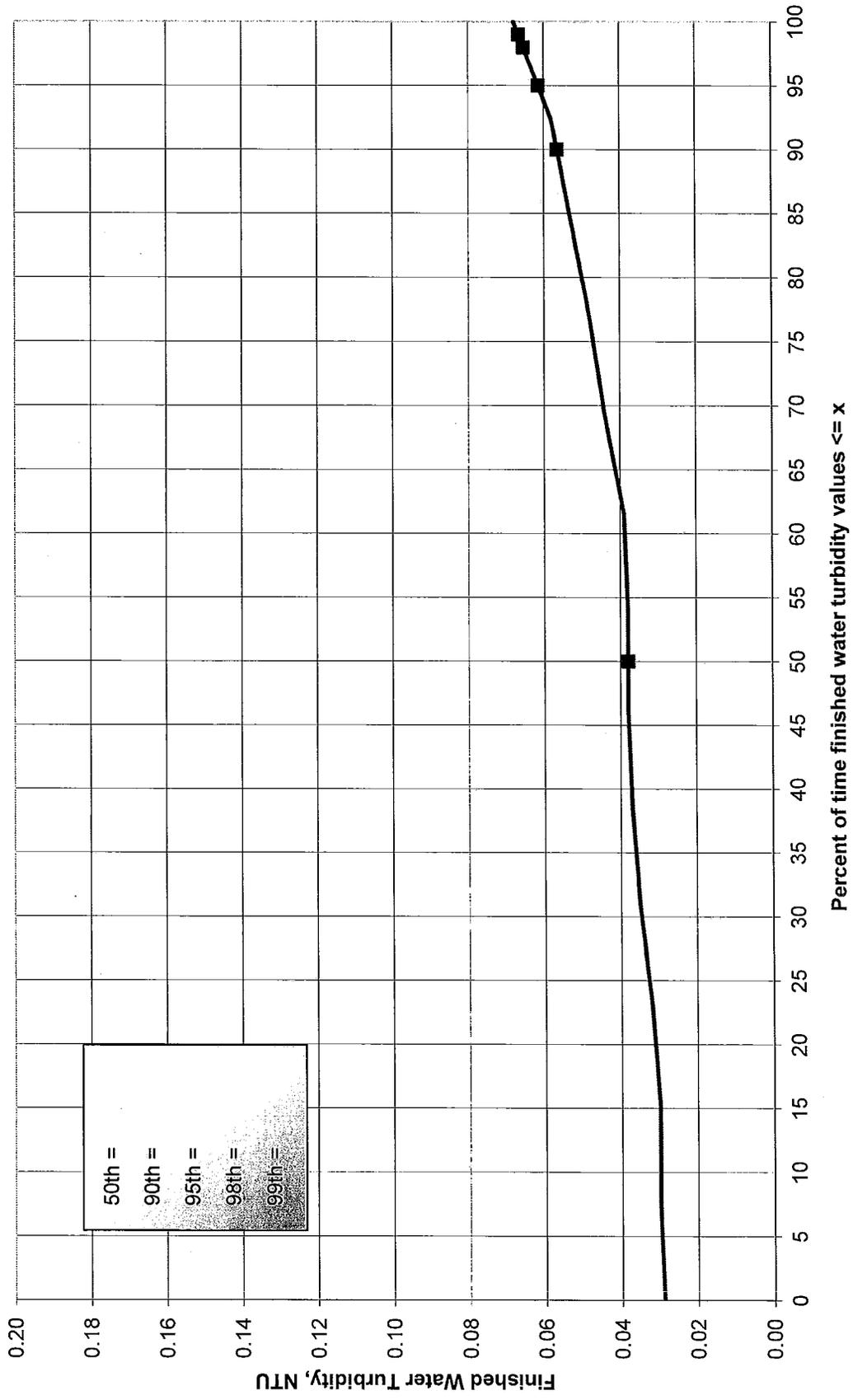
Average Log Giardia Inactivation =



Azusa Springs Finished Water Turbidity



Azusa Springs Probability Distribution of Finished Water Turbidity Data



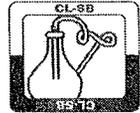
50th =
 90th =
 95th =
 98th =
 99th =



**Laboratory Report for Standard Bacteriological Analysis for
Sample Collected on September 19, 2014**



Clinical Laboratory of San Bernardino, Inc.



Client: Water Works Technology
2415 South Westboro Avenue
Alhambra CA, 91803

Contact: Cornell Gillenwater
Phone: (909) 239-0087
Fax: (626) 403-4121
System: 1909644

Project: Standard Bacti Analysis
Sub Project: Azusa Watershed

Sampler: George Cambero
Sampled: 09/19/14

Received: 09/19/14 15:27

Reported: 09/23/14

RESULTS

Laboratory ID	Sample Time	Sample Location	Cl Res (Field) mg/L	Total Coliform (Density) MPN/100 mL	E. Coli (Density) MPN/100 mL
1411863-01	14:00	Sample Site 2	1.15	<1.0	<1.0
1411863-02	14:05	Well		<1.0	<1.0

Stu Styles

Client Services Manager

41863
41863

Clinical Lab of San Bernardino, Inc. Chain of Custody
 21881 Barton Road Grand Terrace CA 92313 909 825-7693 / 516-A N 8th St. Lompoc CA 93436 805 737-7300

Client Waterworks Technology **Destination Laboratory** Clinical Grand Terrace / ELAP 1088
Address: Clinical Lompoc / ELAP 1678
 Other:
Client Contact: George Cambero
Phone No.: 951-285-9789 **FAX No.:**
System No.:
Project: Arvin watershed
Sampled By: George Cambero
Comments:

Date	Time	Sample Identification	Matrix	Sample Type	No. of Preserved Cont.										Total Containers	Comments	Turn Around Time (TAT)
					Unpreserved	Na2S2O3	NH4Cl	C6H8O6	HNO3	HCl	NaOH	Na2SO3	ZnC4H6O4				
4/19	2:00pm	Sample site 2	LL-1.15														
4/19	2:05	Well															11.60

Matrix: DW - Drinking Water GW - Ground Water SW - Surface Water W - Water WW - Wastewater SWR - Stormwater Runoff S - Sludge O - Other
 Use for Bacteria Samples / Sample Type: 1-Routine 2-Repeat 3-Replacement 4-Special D-Distribution W-Well TAT: (10) Ten Day (5) Five Day Rush (2) Two Day Rush

Relinquished By (Sign) George Cambero **Date / Time** 9/19/14 1527 **Received By (Sign)** Amy Murrell **Print Name / Company** Waterworks Tech.
George Cambero Waterworks Tech. Amy Murrell LLC/CSB

Receipt Comments: (Lab Use Only) Lompoc Lab Receipt Temp.: _____ °C
Shipped Via: Fed Ex Golden State Overnight UPS OnTrac USPS Other
Condition: On Wet Ice On Blu Ice Intact Custody Seals Samples / COC Checked By: _____ Work Order Logged By: _____
Receipt Comments: _____ Clinical Lab Receipt Temp.: _____ °C

**September 2014 Monthly Summary of Distribution System
Coliform Monitoring Submitted via e-Mail on October 10, 2014**





2415 S. Westboro Ave.
Alhambra, CA 91803
888-277-4677
Fax. 703-412-7121

LOS ANGELES COUNTY ♦ DEPARTMENT OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH
Bureau of Environmental Protection Drinking Water Program
5050 Commerce Drive, Baldwin Park, CA 91706
(626) 430-5420 Fax (626) 813-3016

October 10th, 2014

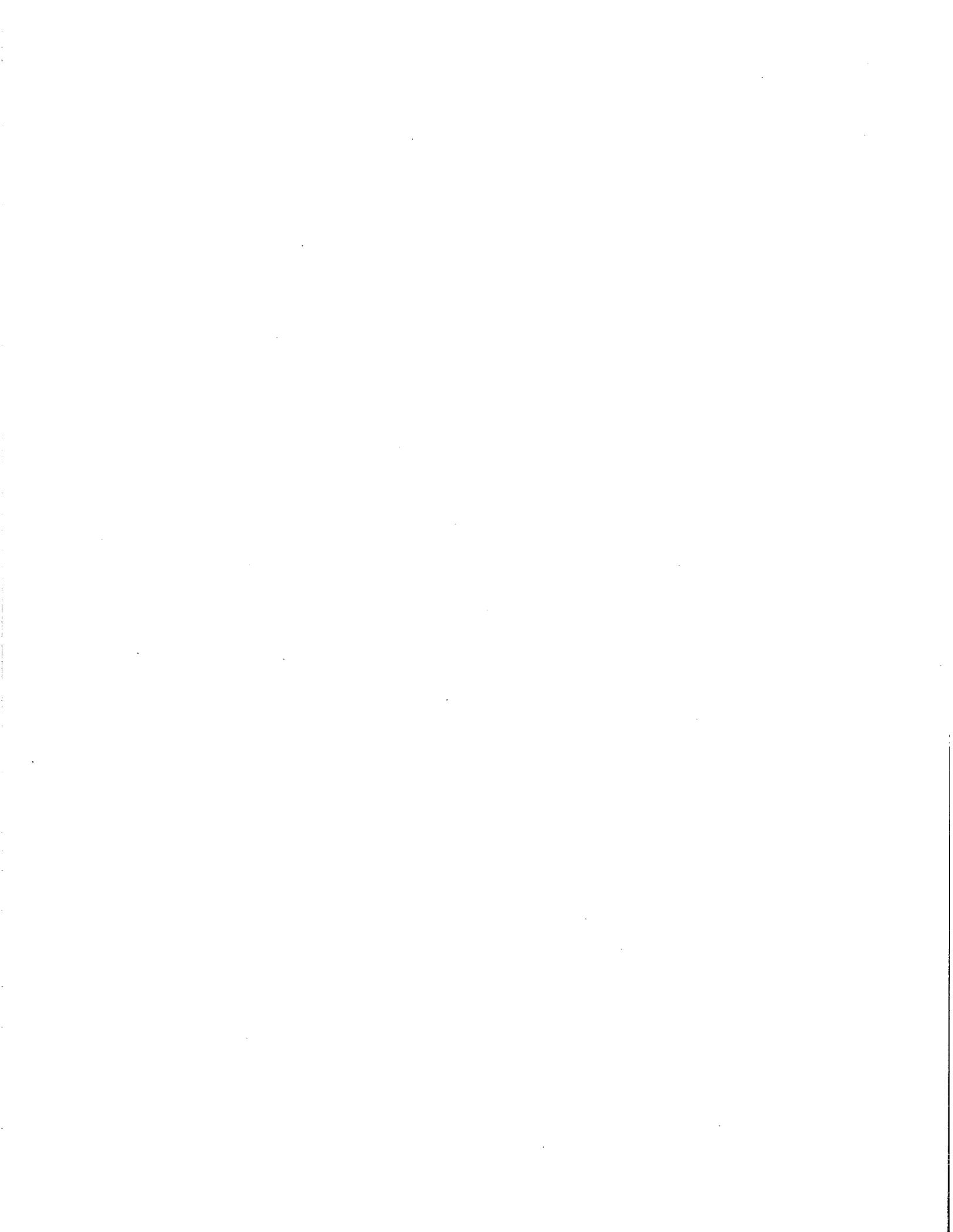
To Whom It May Concern:

Please see the attached water report for Azusa Springs Water System #1909644 for September 2014. I have also included a Monthly Water Production Report, Emergency Notification Plan, the current BSSP and new map per the assessment letter dated August 26, 2014. If you have any questions or concerns, please do not hesitate to call me directly at (951) 285-9789.

Best Regards,

A handwritten signature in cursive script, appearing to read "George Cambero".

George Cambero
Waterworks Technology, Inc.



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

System Name: Azusa Springs Water System System Number: 1909644

Plant Name: Azusa Springs Month/Year: September-14

Date	Peak Raw Water Turbidity	1st stage Water Turbidity ²	2nd stage/final Water Turbidity	Treated water turbidities every four hours (NTU) ¹						Average
				Sample #1	Sample #2	Sample #3	Sample #4	Sample #5	Sample #6	
Mon 1										-
Tue 2										-
Wed 3	0.085	0.070	0.044	0.040	0.036					0.038
Thu 4										-
Fri 5	0.062	0.059	0.039	0.034	0.032					0.033
Sat 6										-
Sun 7										-
Mon 8										-
Tue 9	0.072	0.066	0.046	0.043	0.030					0.037
Wed 10										-
Thu 11										-
Fri 12	0.103	0.086	0.070	0.060	0.045					0.053
Sat 13										-
Sun 14										-
Mon 15	0.092	0.084	0.073	0.061	0.047					0.054
Tue 16										-
Wed 17										-
Thu 18										-
Fri 19	0.069	0.052	0.039	0.029	0.027					0.028
Sat 20										-
Sun 21										-
Mon 22										-
Tue 23	0.086	0.045	0.029	0.035	0.028					0.032
Wed 24										-
Thu 25										-
Fri 26	0.116	0.046	0.029	0.032	0.027					0.030
Sat 27										-
Sun 28										-
Mon 29										-
Tue 30	0.190	0.059	0.047	0.038	0.032					0.035
Wed 31										-
Avg.	0.097	0.063	0.046	0.041	0.034	-	-	-	-	0.038

¹ For continuous turbidity monitoring, a discrete turbidity value must be taken off the record chart at four hour intervals.
² Raw water turbidity must be monitored after returned flow.
Note: See Directions on reporting peak recycle, raw, and settled water turbidities.

Total Number of Samples:	18	Number of readings <= 0.2 NTU:	18
% Readings <= 0.2 NTU:	100.0%	Average Effluent NTU:	0.038
		Meets Standard (i.e. at least 95% of readings are <= 0.2 NTU) (Y/N)?	Yes
		Maximum discrete turbidity value:	0.061
Average percent reduction during the month = [(Average Raw NTU - Average Effluent NTU)/(Average Raw NTU)] x 100% =			40.4%
		Meets Standard (i.e. Reduction is greater than 80%) (Y/N)?	NO

Percentile Results:	
xth Percentile NTU Value of all turbidity readings: (x% of all turbidity readings are less than these values)	50 th = 0.035
	90 th = 0.051
	95 th = 0.060
	98 th = 0.061
	99 th = 0.061

Combined Filter Effluent Reporting

Incidents of turbidity greater than 1 NTU for more than 1 hour.

Date of Incident										
Value										

Incidents of turbidity greater than 1.0 NTU for more than 8 consecutive hours while the plant is operating.

Date of Incident										
Value										

Individual Filter Effluent Reporting

Azusa Springs

Were individual filters monitored and recorded at least once every 15 minutes?

Were there any trigger violations?

Incidents of turbidity greater than 1.0 NTU in two consecutive measurements taken no more than 15 minutes apart.

Date of Incident										
Value										
Filter Number										

Incidents of turbidity greater than 0.3 NTU in two consecutive measurements taken 15 minutes apart at the end of the first 60 minutes of continuous filter operation after the filter has been backwashed or otherwise taken offline.

Date of Incident										
Value										
Filter Number										

Incidents of turbidity greater than 1.0 NTU in two consecutive measurements taken no more than 15 minutes apart at any time in each of three consecutive months.

Date of Incident										
Value										
Filter Number										

Incidents of turbidity greater than 2.0 NTU in two consecutive measurements taken no more than 15 minutes apart at any time in each of two consecutive months.

Date of Incident										
Value										
Filter Number										

Turbidity Instrument Calibration

Indicate the date that the turbidimeters that are used for regulatory monitoring purposes were calibrated:

Date	Which Turbidimeter	Which standards used, primary or secondary	Date	Which Turbidimeter	Which standards used, primary or secondary
Aug-14	HACH 1720	Primary			
Aug-14	HACH 1720	Secondary			

Disinfection Process Data

Azusa Springs

Disinfectant residual type (check one):

Incidents of chlorine residuals less than 0.2 ppm at the plant effluent:

Date of Incident					
Duration					
Date Dept. Notified					

Total number of incidents where residual is < 0.2 ppm: 0
 Meet Standard (i.e. is not less than 0.2 ppm for more than four hours (Y/N)? Yes

Number of distribution system residual samples collected:	18
Number of distribution system samples for HPC only:	
Total number of residual and/or HPC samples collected:	18
Number of samples with no detectable residual and HPC is not measured:	
Number of samples with no residual and HPC > 500 CFU/mL:	
Number of samples for HPC only and HPC > 500 CFU/mL:	
Total number of samples with no residual and/or HPC > 500 CFU/mL:	0

Compute V:

Where V = [1 - (Total No. of samples with no residual and/or HPC > 500)/(Total No. of residual and/or HPC samples collected)] x 100

V = 100.0%
 Meets Standard (i.e. V >= 95%) (Y/N) ? Yes

SUMMARY OF WATER QUALITY COMPLAINTS

General Complaints:

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

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

Person Reporting	Date	Corrective Actions Taken

Attach an explanation of any failure of the performance standards or operating criteria and corrective action taken or planned.

Signature: *Hegeal Collins*

Date: 10/9/2014

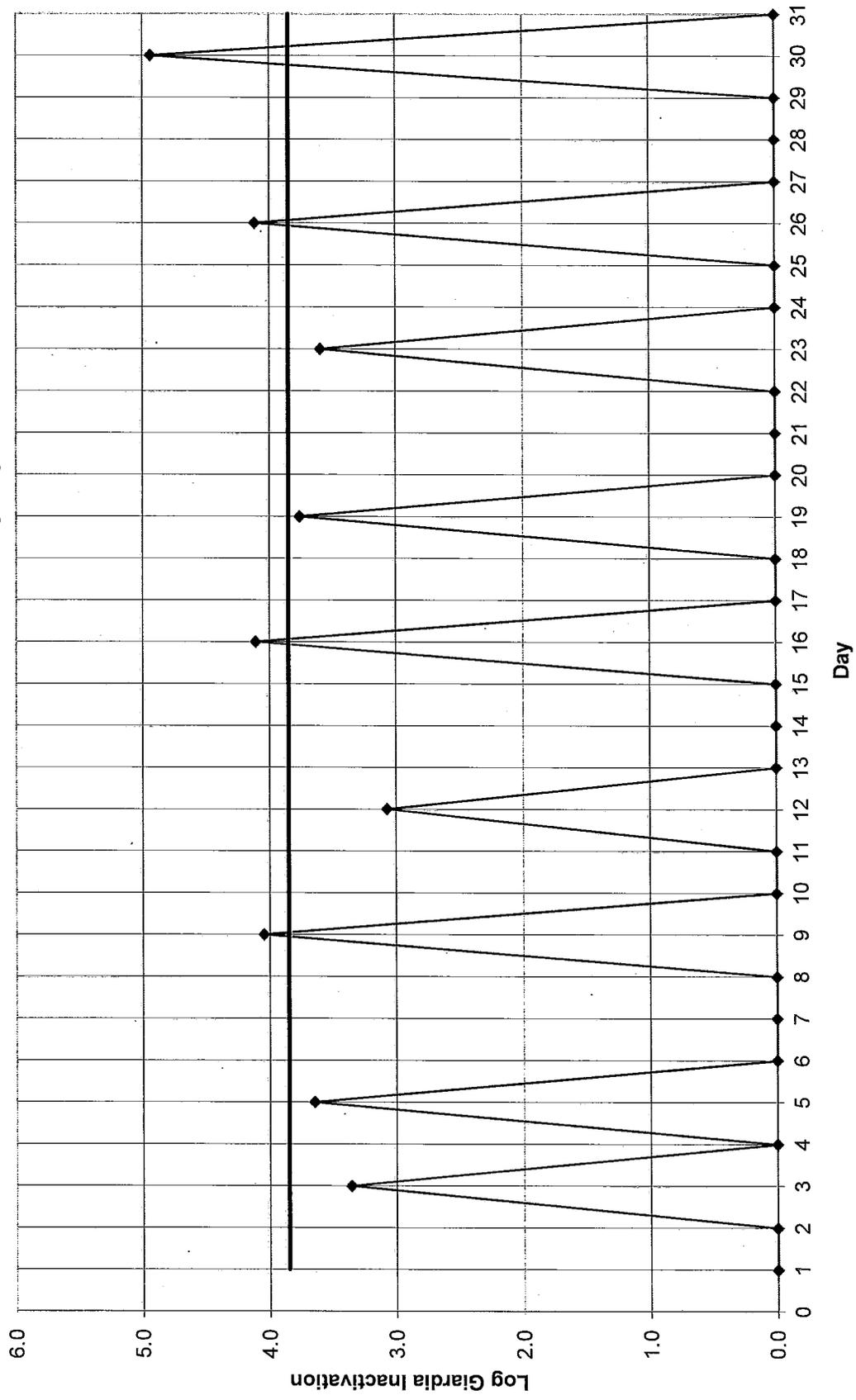
CT Compliance for Giardia Lamblia Cysts by Free Chlorine

Input Parameters:
 Water System Name: Azusa Springs Water System
 Number of Service Connections: 5
 System Number: 1909644
 Month and Year: September-14
 Clearwell(s) - Volume per Foot: 2,000 Gallons/Ft
 Short-Circuiting Factor for Clearwell(s): 0.10 T_{10}/T
 Required Log Inactivation of Giardia Cyst: 1.0 Log

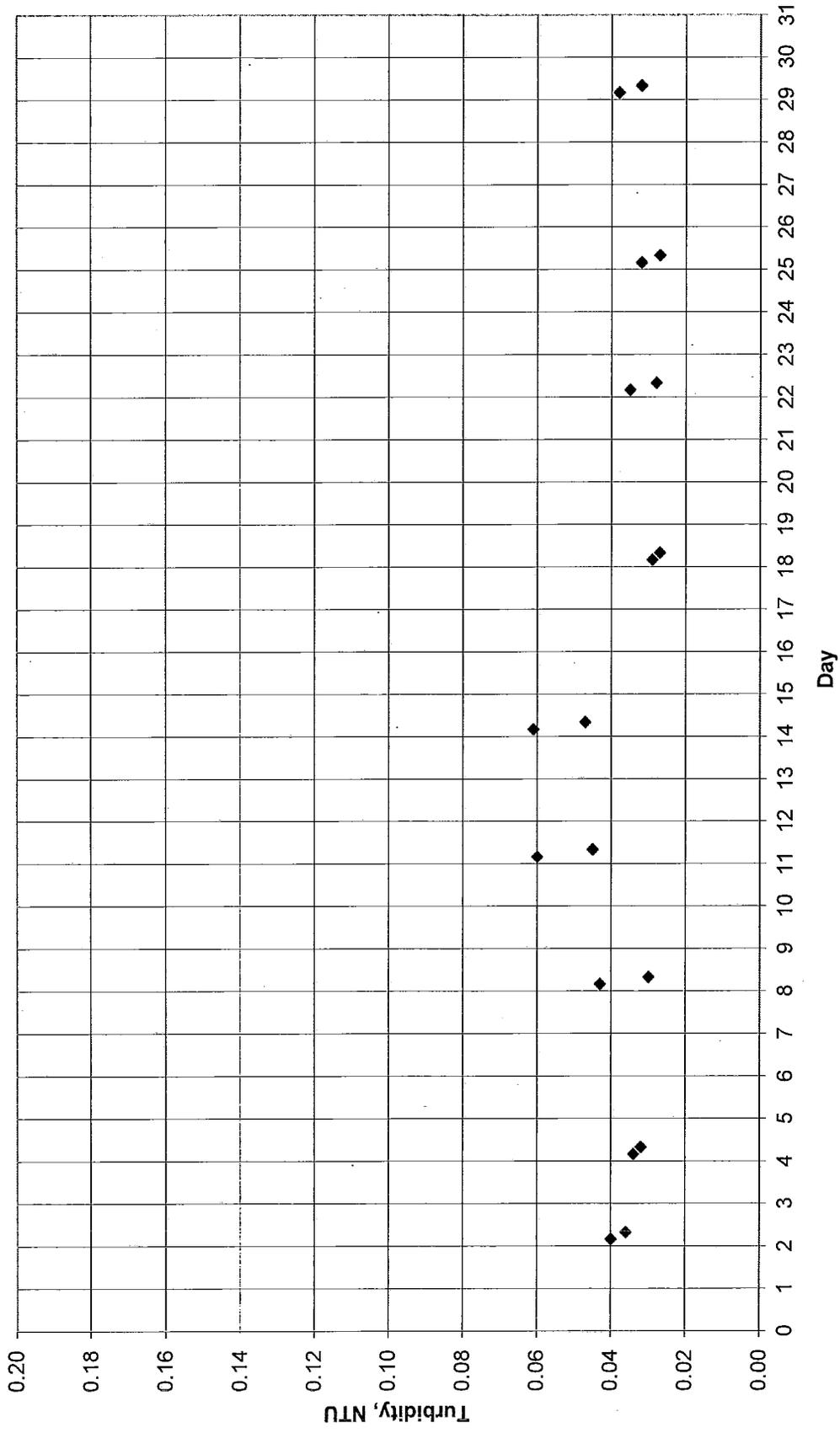
Date	Clearwell Data					CT Results			Chlorine Species				
	Lowest Level, T	Effective Volume, gal	Peak Hourly Flow, gpm	Contact Time, minutes	Lowest Temperature, °C	Max. pH	Lowest Chlorine Residual, mg/L	Required CT	Calculated CT_{10}	Inactivation Ratio ($CT_{10}/CT_{99.9}$)	Calculated Log Inactivation	Percent of HOCl in Water	Percent of OCl ⁻ in Water
Mon 1	-	-	-	-	-	-	-	-	-	-	-	-	-
Tue 2	-	-	-	-	-	-	-	-	-	-	-	-	-
Wed 3	7.2	1,430	26	55.7	20.3	7.3	1.36	23	76	1.12	3.4	65.8%	34.2%
Thu 4	-	-	-	-	-	-	-	-	-	-	-	-	-
Fri 5	7.0	1,390	25	55.6	21.2	7.3	1.39	21	77	1.22	3.6	68.0%	32.0%
Sat 6	-	-	-	-	-	-	-	-	-	-	-	-	-
Sun 7	-	-	-	-	-	-	-	-	-	-	-	-	-
Mon 8	-	-	-	-	-	-	-	-	-	-	-	-	-
Tue 9	7.8	1,560	25	62.1	20.1	7.2	1.49	23	92	1.35	4.0	69.0%	31.0%
Wed 10	-	-	-	-	-	-	-	-	-	-	-	-	-
Thu 11	-	-	-	-	-	-	-	-	-	-	-	-	-
Fri 12	7.0	1,398	25	55.4	20.4	7.3	1.24	22	69	1.02	3.1	65.8%	34.2%
Sat 13	-	-	-	-	-	-	-	-	-	-	-	-	-
Sun 14	-	-	-	-	-	-	-	-	-	-	-	-	-
Mon 15	-	-	-	-	-	-	-	-	-	-	-	-	-
Tue 16	8.1	1,620	26	63.2	20.4	7.2	1.46	22	92	1.37	4.1	69.3%	30.7%
Wed 17	-	-	-	-	-	-	-	-	-	-	-	-	-
Thu 18	-	-	-	-	-	-	-	-	-	-	-	-	-
Fri 19	7.2	1,438	25	57.2	21.0	7.3	1.42	22	81	1.25	3.8	67.5%	32.5%
Sat 20	-	-	-	-	-	-	-	-	-	-	-	-	-
Sun 21	-	-	-	-	-	-	-	-	-	-	-	-	-
Mon 22	-	-	-	-	-	-	-	-	-	-	-	-	-
Tue 23	8.7	1,740	25	69.0	19.5	7.1	1.24	24	86	1.20	3.6	77.3%	22.7%
Wed 24	-	-	-	-	-	-	-	-	-	-	-	-	-
Thu 25	-	-	-	-	-	-	-	-	-	-	-	-	-
Fri 26	9.3	1,850	25	73.1	20.9	7.1	1.19	21	87	1.37	4.1	74.7%	25.3%
Sat 27	-	-	-	-	-	-	-	-	-	-	-	-	-
Sun 28	-	-	-	-	-	-	-	-	-	-	-	-	-
Mon 29	-	-	-	-	-	-	-	-	-	-	-	-	-
Tue 30	8.5	1,692	24	69.9	19.0	7.1	1.88	27	131	1.65	4.9	76.7%	23.3%
Wed 31	-	-	-	-	-	-	-	-	-	-	-	-	-
Average:								1.28	3.85				

Azusa Springs Log Giardia Inactivation for Chlorine Disinfection

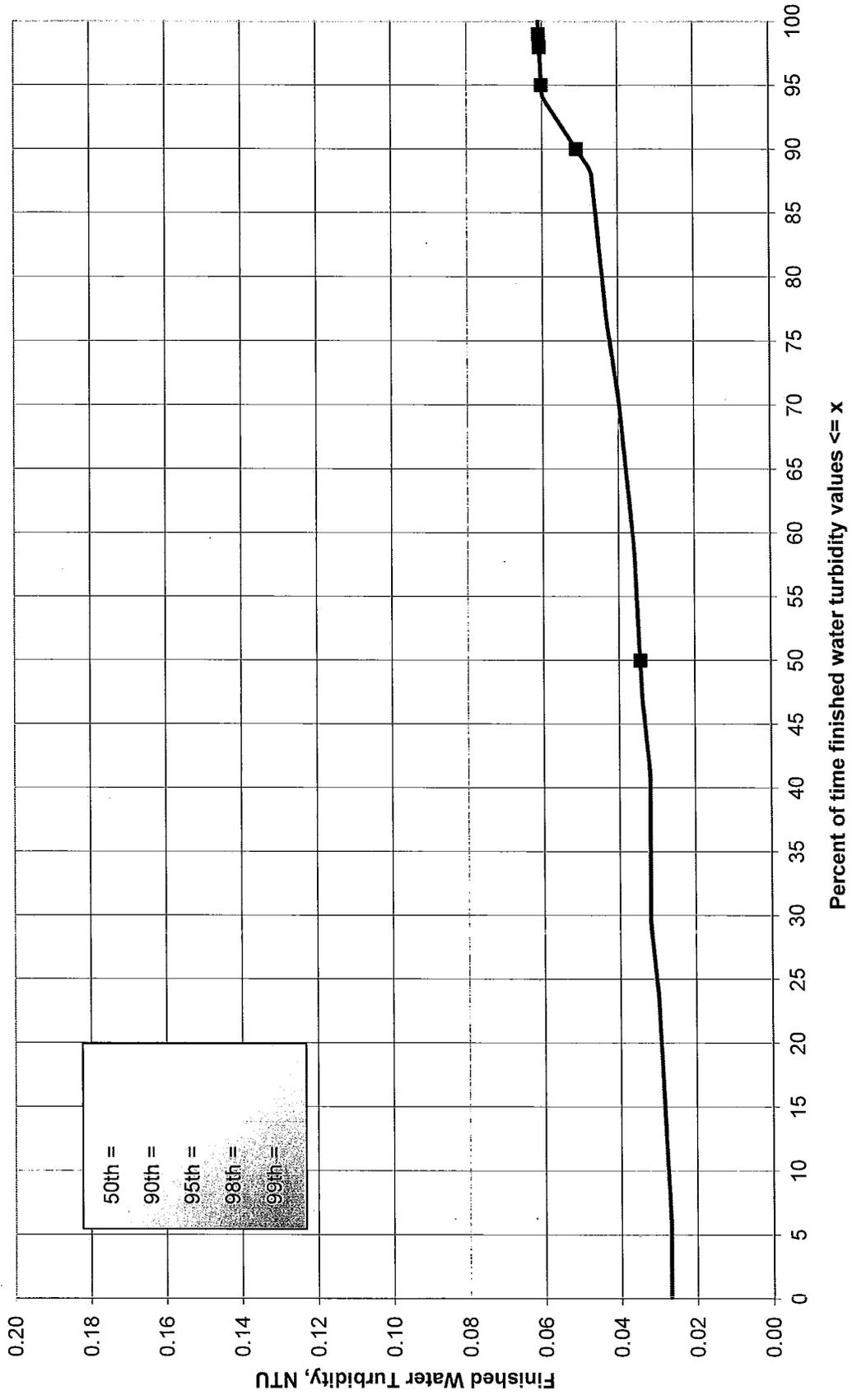
Average Log Giardia Inactivation =



Azusa Springs Finished Water Turbidity



Azusa Springs Probability Distribution of Finished Water Turbidity Data







Water System Bacteriological Sampling Plan

I. System Information:

System or Facility Name: Azusa Springs Water System

Service connections: 4
 (Number of residences and/or buildings served by the system)

Population: <20
 (Number of individuals served each day by system during busiest month)

Source(s): Ground water well, which is considered under the influence of surface water.
 (List all water supply sources wells, springs, lakes, etc).

II. Routine Sampling Frequency

The water system must collect 4 routine sample at a frequency of once every month.

III. Routine and Repeat Sampling Sites

*** Routine Sample Site No. 1:** Azusa Office - outside building - 2" isolation valve

This site must be representative of the distribution system and shall not be designated as a water source (ie. well, etc.). If this routine sample contains coliform bacteria, the water system must collect a set of repeat samples within 24 hours of being notified of the result. (If your routine sampling frequency is equal to or less than one sample per month, the repeat sample set must consist of at least 4 samples on of which a can be taken from the ground water source. If one or more of the groundwater sources were in at the time the Coliform positive sample was taken from the distribution system, a sample must be taken from each source and analyzed by method that enumerates for Coliform and E. coli via density analysis.

Repeat Sample Set (No. 1)

- Repeat sample site No. 1: Azusa Office - outside building - 2" isolation valve
 (Collect one sample at the original routine sample site)
- Repeat sample site No. 2: Fire Hydrant - 2" isolation valve
 (Collect one sample within five connections upstream)
- Repeat sample site No. 3: Treatment Plant Distribution System - 2" isolation valve
 (Collect one sample within five connections downstream)
- Repeat sample site No. 4: Well House - outside building - 2" isolation valve
 (Collect one sample from each ground source, well or spring)
- Repeat sample site No. 5: _____
 (Collect one sample from each ground source, well or spring)
-

* A routine sample site must be designated for each pressure zone or separate area served by the water system. The routine sample sites must be rotated such that they are all sampled on a regular basis. If this water system must designate more than one routine sample site, please do so on the following page.

Check one of the following:

- Only one routine sample site is necessary to adequately represent the system. Additional routine and repeat sample sites are not attached.
- This water system contains more than one pressure zone or separate area. Additional routine and repeat sample sites are attached.
-

Complete this page only if your water system must designate more than one routine sample site.

Routine Sample Site No. 2: Fire Hydrant - 2" isolation valve

This site must be representative of the distribution system and shall not be designated as a water source (ie. well, etc.).

If this routine sample contains coliform bacteria, the water system must collect a set of repeat samples within 24 hours of being notified of the result. (If your routine sampling frequency is equal to or less than one sample per month, the repeat sample set must consist of 4 samples. If your routine sampling frequency is greater than one sample per month, the repeat sample set need only consist of 3 samples.)

Repeat Sample Set No. 2:

Repeat sample site No. 1: Fire Hydrant - 2" isolation valve

(Collect one sample at the original routine sample site)

Repeat sample site No. 2: Treatment Plant Distribution System - 2" isolation valve

(Collect one sample within five connections upstream)

Repeat sample site No. 3: Well House - outside building - 2" isolation valve

(Collect one sample within five connections downstream)

Repeat sample site No. 4: Azusa Office - outside building - 2" isolation valve

(Collect one sample from each ground source, well or spring)

Repeat sample site No. 5: _____

(Collect one sample from each ground source, well or spring)

Routine Sample Site No. 3: Treatment Plant Distribution System - 2" isolation valve

This site must be representative of the distribution system and shall not be designated as a water source (ie. well, etc.).

If this routine sample contains coliform bacteria, the water system must collect a set of repeat samples within 24 hours of being notified of the result. (If your routine sampling frequency is equal to or less than one sample per month, the repeat sample set must consist of 4 samples. If your routine sampling frequency is greater than one sample per month, the repeat sample set need only consist of 3 samples.)

Repeat Sample Set No. 3:

Repeat sample site No. 1: Treatment Plant Distribution System - 2" isolation valve

(Collect one sample at the original routine sample site)

Repeat sample site No. 2: Well House - outside building - 2" isolation valve

(Collect one sample within five connections upstream)

Repeat sample site No. 3: Azusa Office - outside building - 2" isolation valve

(Collect one sample within five connections downstream)

Repeat sample site No. 4: Fire Hydrant - 2" isolation valve

(Collect one sample from each ground source, well or spring)

Repeat sample site No. 5: _____

(Collect one sample from each ground source, well or spring)

IV. Sampling During The Month Following A Positive Sample

If one or more samples are positive for total coliform in a month, the water system is required to collect routine samples during the following month. These five samples can be collected over the course of the month or all on the same day. Please list the locations from which these extra samples would be collected:

1. Azusa Office
2. Treatment Plant
3. Filter House
4. Well House
5. _____

V. Map or Diagram

Attach a map or diagram showing the location of routine and repeat sample sites and the entry point of water into the distribution system.

VI. Personnel and Laboratory Notification

Sampler: Waterworks Technology Staff
(Sample collection must be performed by a person trained in sample collection. Provide name of sampler.)

Laboratory: Clinical Lab of San Bernardino - (909) 825-7693
(Provide the name and phone number of the certified lab doing your water analysis. Arrangement must be made for weekend and holiday analysis if needed.)

Notification: Laboratory to notify persons designated below within 24 hours whenever a sample is found to contain coliform bacteria:

1.	<u>George Cambero</u>	<u>(951) 285-9789</u>	<u>(951) 285-9789</u>
	(Name)	(Daytime Phone #)	(Evening Phone #)
2.	<u>Cornell Gillenwater</u>	<u>(888) 277-4677</u>	<u>(909) 239-0087</u>
	(Name)	(Daytime Phone #)	(Evening Phone #)

VII. Notification of the Department

The water system will notify the **Los Angeles County Department of Public Health** within 24 hours whenever a sample contains fecal coliform or *E. coli* bacteria, or whenever a follow-up sample is positive. **In addition the system must direct the laboratory to immediately notify the Los Angeles County Public Health Drinking Water Program of any positive bacteriological result if the laboratory cannot make direct contact with designated contact person (in VI. above) within 24 hours.**

Richard Blood, Small Water System Coordinator: (916) 449-5632

Los Angeles County Department of Public Health – Drinking Water Program: (626) 430-5420

Los Angeles County Public Health (24 hour hotline): (213) 974-1234

Email: waterquality@ph.lacounty.gov

Submitted by:  Date 9-15-2014

KEEP A COPY OF THIS FORM FOR YOUR REFERENCE AND USE

ADDITIONAL INFORMATION

When responding to a laboratory report of bacterial contamination, keep in mind the following:

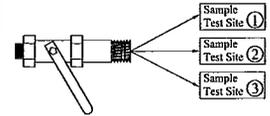
1. Coliform bacteria should not be present in drinking water and the presence of coliform indicates a potentially serious problem. Upon lab notification, an appropriate investigation should be performed immediately.
2. Check water system components such as water sources, filtration and/or chlorination equipment and storage tanks for indications of unusual conditions or problems.
3. Correct problems immediately. Do not wait for results of follow-up samples to take action.

Azusa Springs Water System

Azusa Springs Water System
 Sample Test Site Plan
 100 North Old San Gabriel Cyn. Road
 Azusa CA 91702
 Phone: 626-815-1019
 Water Number: 190964

2" Water Lines
 6" Water Lines
 3" Potable Water Lines

Sample Test Site Plan

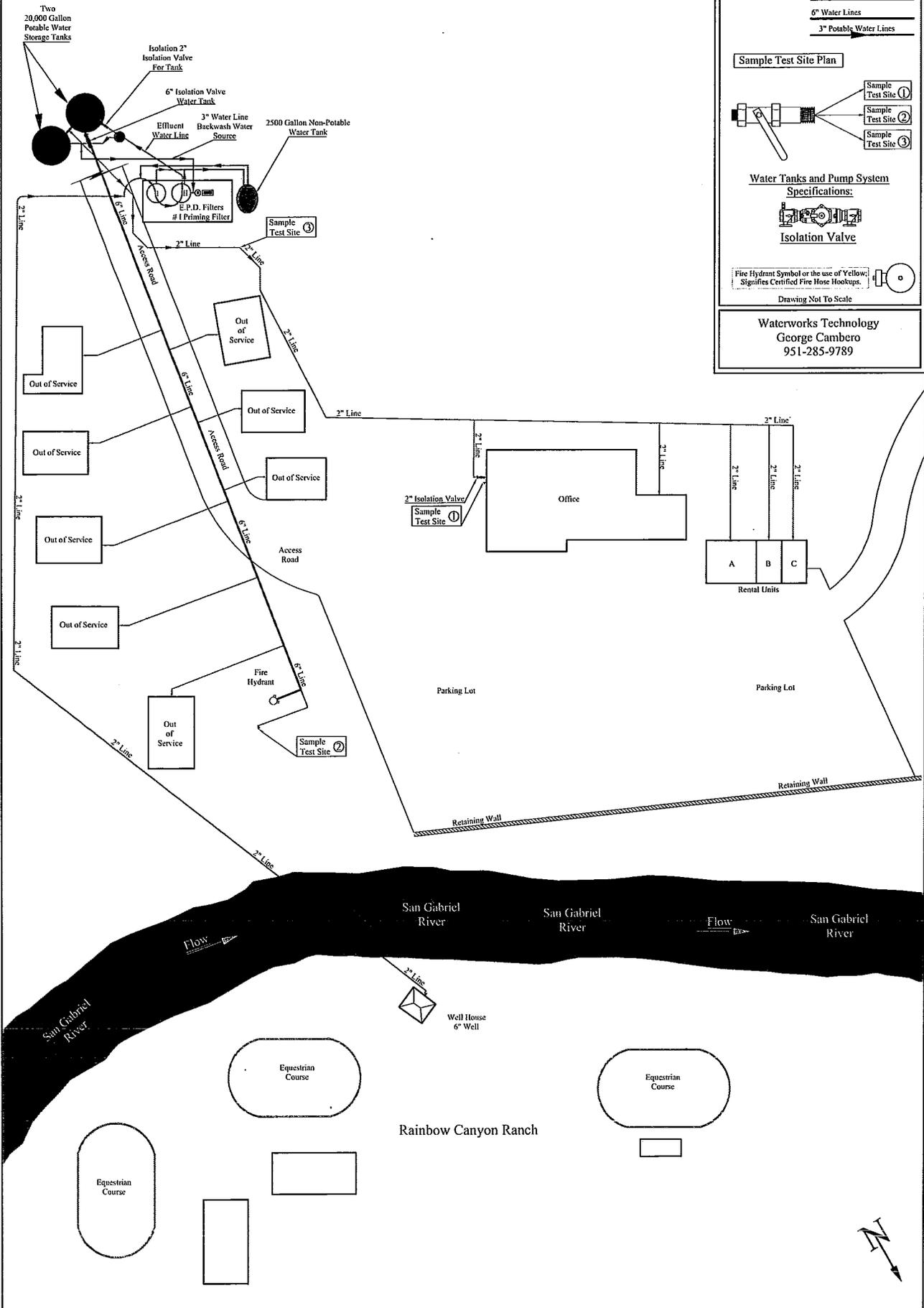


Water Tanks and Pump System Specifications:



Fire Hydrant Symbol or the use of Yellow Signifies Certified Fire Hose Hookups.
 Drawing Not To Scale

Waterworks Technology
 George Cambero
 951-285-9789



Tier 3 Public Notification Template



Instructions for Tier 3 Monitoring Violations Annual Notice Template

Template Attached

Since most monitoring violations are included in Tier 3, you must provide public notice to persons served within one year after you learn of the violation [California Code of Regulations, Title 22, Chapter 15, Section 64463.7(b)]. Multiple monitoring violations can be serious. **Each water system required to give public notice must submit the notice to the State Water Resources Control Board, Division of Drinking Water (DDW) for approval prior to distribution or posting, unless otherwise directed by the DDW [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 [64463.7(c)(1)]	Mail or direct delivery ^(a)	Publication in a local newspaper
		Posting ^(b) in conspicuous public places served by the water system or on the Internet
		Delivery to community organizations
Non-Community Water System [64463.7(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, insertion in an annual notice, or included in the Consumer Confidence Report¹. However, you may wish to modify it before using it for posting. If you do, you must still include all the required elements and leave the standard language for monitoring and testing

¹ CCR may be used as long as public notification timing, content, and delivery requirements are met [64463.7(d)].

procedure violations and notification language in italics unchanged. This language is mandatory [64465].

You may need to modify the template for a notice for individual monitoring violations. The template presents violations in a table; however, you may write out an explanation for each violation if you wish. For any monitoring violation for volatile organic compounds (VOCs) or other groups, you may list the group name in the table, but you must provide the name of every chemical in the group on the notice (e.g., in a footnote). An example is shown in the table below.

<i>Contaminant</i>	<i>Required Sampling Frequency</i>	<i>Number of Samples Taken</i>	<i>When All Samples Should Have Been Taken</i>	<i>When Samples Were or Will Be Taken</i>
VOCs ^(a)	1 sample every 3 years	None	2002 – 2005	February 2006

(a) Benzene; Carbon Tetrachloride; 1,2-Dichlorobenzene; 1,4-Dichlorobenzene; 1,1-Dichloroethane; 1,2-Dichloroethane; 1,1-Dichloroethylene; cis-1,2-Dichloroethylene; trans-1,2-Dichloroethylene; Dichloromethane; 1,2-Dichloropropane; 1,3-Dichloropropene; Ethylbenzene; Methyl-*tert*-butyl ether; Monochlorobenzene; Styrene; 1,1,2,2-Tetrachloroethane; Tetrachloroethylene; Toluene; 1,2,4-Trichlorobenzene; 1,1,1-Trichloroethane; 1,1,2-Trichloroethane; Trichloroethylene; Trichlorofluoromethane; 1,1,2-Trichloro-1,2,2-Trifluoroethane; Vinyl Chloride; and Xylenes.

You may need to modify the notice if you had any monitoring violations for which monitoring later showed a maximum contaminant level or other violation. In such cases, you should refer to the public notice you issued at that time.

Multilingual Requirement

The notice must (1) be provided in English, Spanish, and the language spoken by any non-English-speaking group exceeding 10 percent of the persons served by the water system and (2) include a telephone number or address where such individuals may contact the water system for assistance.

If any non-English-speaking group exceeds 1,000 persons served by the water system, but does not exceed 10 percent served, the notice must (1) include information in the appropriate language(s) regarding the importance of the notice and (2) contain the telephone number or address where such individuals may contact the water system to obtain a translated copy of the notice from the water system 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.

Corrective Actions

In your notice, describe corrective actions you took or are taking. Listed below are some steps commonly taken by water systems with monitoring violations. Choose the appropriate language, or develop your own:

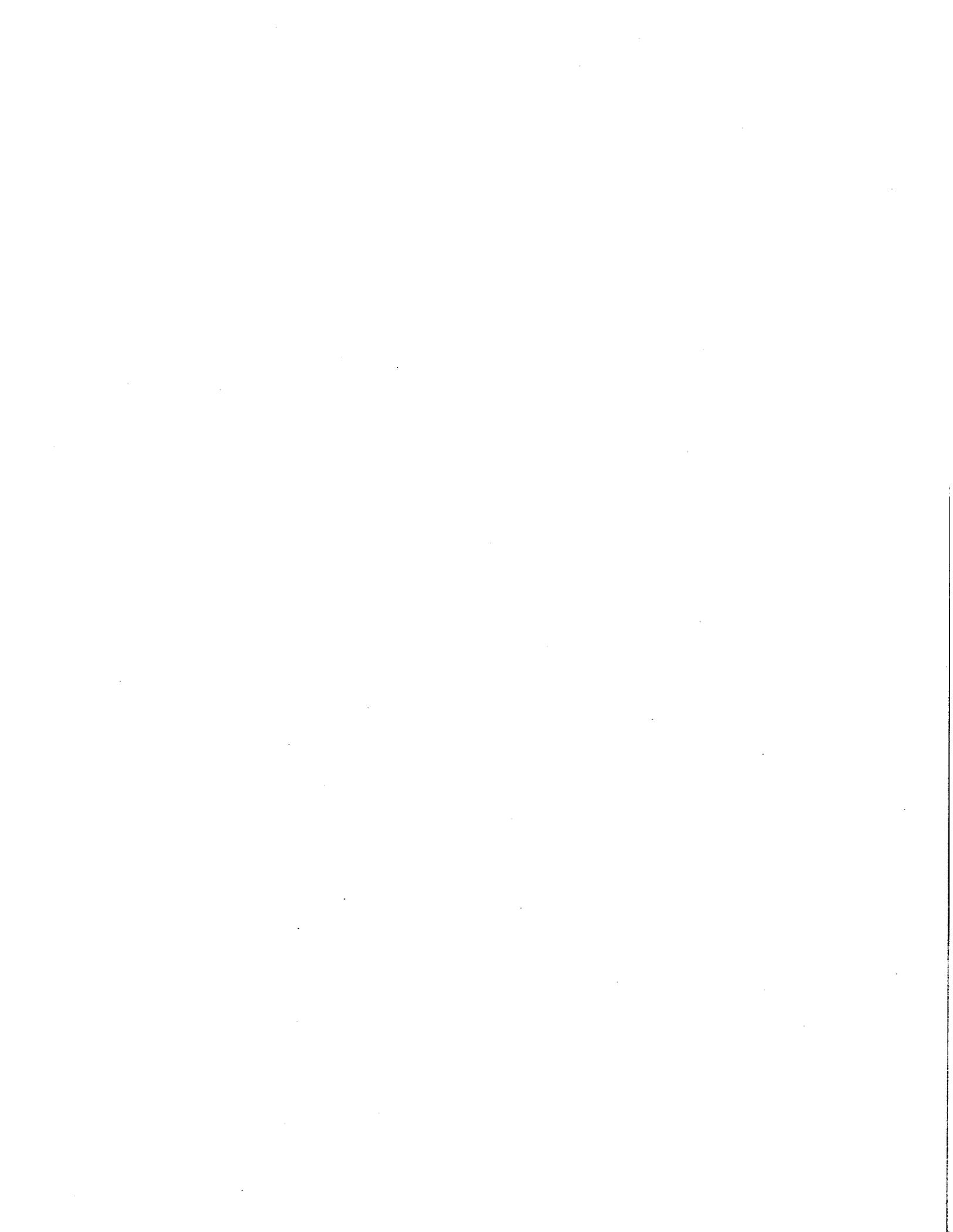
- “We have since taken the required samples, as described in the last column of the table above. The samples showed we are meeting drinking water standards.”
- “We have since taken the required samples, as described in the last column of the table above. The sample for [contaminant] exceeded the limit. [Describe corrective action; use information from public notice prepared for violating the limit.]”
- “We plan to take the required samples soon, as described in the last column of the table above.”

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 DDW 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 DDW 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.

Monitoring Requirements Not Met for Azusa Springs Water System

Our water system failed to monitor as required for drinking water standards during the past year and, therefore, was in violation of the regulations. Even though this failure was not an emergency, as our customers, you have a right to know what you should do, what happened, and what we did to correct this situation.

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During August 2014, we did not complete all monitoring or testing for total coliform bacteria and therefore, cannot be sure of the quality of our drinking water during that time.

What should I do?

- There is nothing you need to do at this time.
- The table below lists the contaminant(s) we did not properly test for during the last year, how many samples we are required to take and how often, how many samples we took, when samples should have been taken, and the date on which follow-up samples were (or will be) taken.

Contaminant	Required Sampling Frequency	Number of Samples Taken	When All Samples Should Have Been Taken	When Samples Were or Will Be Taken
Total Coliform (TC)	One routine sample per month. 4 repeat samples within 24 hours of notification from laboratory of TC positive routine sample. 5 routine samples in the month following the TC positive routine sample.	TC positive routine sample was taken on August 29, 2014 at 12:00 PM. Laboratory provided notification of TC positive routine sample on August 30, 2014 at 9:00 AM. One repeat sample was taken on August 30, 2014 at 12:00 PM. One routine sample was collected on September 19, 2014.	4 repeat samples should have been taken no later than 9:00 AM on August 31, 2014. 5 routine samples should have been taken in September 2014.	Samples taken on August 29 and 30, 2014, were taken at the Watershed Conservation Authority office building. The sample taken on September 19, 2014 was taken from a fire hydrant at the northeast end of the water system.

- If you have health issues concerning the consumption of this water, you may wish to consult your doctor.

What happened? What is being done?

[Describe corrective action].

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 Azusa Springs Water System.

State Water System ID#: 1909644. Date distributed: _____.

Proof of Public Notification Certification Form



PROOF OF NOTIFICATION

Name of Water System: **Azusa Springs Water System**

System Number: 1909644

**Certification of Notification for
Total Coliform Rule Monitoring Violation**

As required by *California Code of Regulations*, Title 22, Section 64463.7, I notified the users of the water supplied by the Azusa Springs Water System of the violation of Sections 64424(a)(1) and 64424(d), 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 DIVISION

