

STATE OF CALIFORNIA  
DEPARTMENT OF PUBLIC HEALTH

IN RE: **ELM COURT**  
Water System No. 1000277

TO: Mr. Miguel Torres  
Elm Court  
c/o JD Home Rentals  
2975 E. Belmont  
Fresno, CA 93701

**CITATION FOR NONCOMPLIANCE**  
**TOTAL COLIFORM MAXIMUM CONTAMINANT LEVEL VIOLATION**

**November 2012**

**Issued on February 1, 2013**

Section 116650, Chapter 4, Part 12, Division 104 of the California Health and Safety Code (CHSC), 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 hereunder.

**VIOLATION**

The Drinking Water Field Operations Branch of the California Department of Public Health (hereinafter 'Department') hereby issues a Citation to Elm Court (hereinafter 'Water System'), for failure to comply with Section 116555(a)(1) of the CHSC and Section 64426.1(b)(2) of Title 22, California Code of Regulations (CCR). Specifically, the Water System (mailing address: 2975 E. Belmont, Fresno, CA 93701) failed to comply with the total coliform Maximum Contaminant Level (MCL) for the month of November 2012.

1 The Water System operates under a domestic water supply permit issued by the Department  
 2 in September of 2012. Elm Court is a community water system serving a population of  
 3 approximately sixty-four (64) persons through fifteen (15) service connections.

4  
 5 Section 64426.1(b)(2) specifies that a public water system collecting fewer than 40 samples  
 6 per month is in violation of the total coliform MCL when more than one sample collected  
 7 during any month is total coliform-positive.

8  
 9 The Water System is required to collect a minimum of one (1) distribution system  
 10 bacteriological sample per month. The bacteriological water analysis results submitted by  
 11 the Water System reported the presence of total coliform bacteria in four (4) of seventeen  
 12 (17) samples collected by the Water System in November 2012. None of the positive  
 13 samples showed the presence of fecal coliform or *E. coli* bacteria.

14  
 15 The following table summarizes the bacteriological monitoring conducted during the  
 16 months of October and November 2012.

17

18 Collection Date	Number of Samples	Sample Type	Number TC positive	Number E. Coli positive
19 10/15/2012	1	Routine	1	0
20 11/1/2012	1	Routine	0	0
21 11/2/2012	5	Repeat	4	0
22 11/6/2012	6	Repeat	0	0
23 11/14/2011	5	Routine	0	0
24 12/10/2012	4	Routine	0	0
25 1/10/2013	1	Routine	0	0

1 Due to the above-mentioned total coliform positive samples, the Water System failed the  
2 total coliform MCL for the month of November 2012. All water samples for coliform  
3 bacteria collected during 2012 and January 2013 are summarized in Attachment A.  
4

5 The cause of the contamination is unknown since no specific source of contamination has  
6 been identified, although Water System staff has indicated that some or all of the samples  
7 collected on November 2, 2012 may have been collected through a hose. The Department  
8 was notified of the positive samples on November 6, 2012 by Water System staff. On  
9 November 6, 2012, the Department was also contacted by an attorney representing some of  
10 the residents who were reporting that the sewage system was backing up in to their homes.  
11 A Boil Water Order was issued on November 6, 2012 and Fresno County Environmental  
12 Health was notified of the sewage issue. Further communication with Water System staff on  
13 November 7, 2012 indicated that each unit has its own septic tank and that the line from  
14 Unit #106 to its tank was the line that had backed up. Water System staff reported at that  
15 time that they had cleared that line.  
16

17 The five routine samples required the month following a month with one or more total  
18 coliform-positive samples were collected on November 14, 2012 as a follow up to the first  
19 positive of this series which was collected on October 15, 2012. All five samples collected  
20 on November 14, 2012 were negative for total coliform bacteria. The Boil Water Order was  
21 lifted on November 16, 2012.  
22

23 The Groundwater Rule adopted by the Department, effective August 18, 2011, requires the  
24 collection of a sample for bacteriological evaluation from wells serving the system in  
25 response to a coliform positive distribution sample. Although it is not evident by the  
26 location descriptions provided with the sample results, Water System staff report that this  
27

1 requirement was met with the round of repeat sampling conducted by the Water System on  
2 November 6, 2012.

3 **ASSOCIATED VIOLATIONS**

4 Additionally, the Water System has failed to comply with the following Section 64422 of  
5 Title 22, CCR:

6  
7 Section 64422(a) specifies that each water supplier shall develop and submit to the  
8 Department a siting plan for the routine collection of samples for total coliform analysis.

9  
10 Although the Water System has submitted a sample siting plan (Attachment B) dated  
11 November 16, 2009, it is not clear whether routine and repeat samples were collected as  
12 identified in this plan. The plan identifies 3504 S. Elm as the primary routine sampling site  
13 however conversations with Water System staff indicated that the routine bacteriological  
14 sampling is being collected directly from the well. It was also mentioned by Water System  
15 staff that samples may have been collected through a hose.

16  
17 **NOTIFICATION REQUIREMENTS**

18 Section 64426.1(c) requires a public water system to notify the Department and the  
19 consumers of the water system, when a violation of Section 64426.1(b)(1) through (4)  
20 occurs. Notification to the Department shall be by the end of the business day on which the  
21 violation has been determined. If the Department is closed, notification shall be within 24  
22 hours of the determination. The Department was notified on November 6, 2012, in  
23 accordance with the above-referenced section.

24  
25 A Tier 1 Public Notice for violation of paragraph 64426.1(b)(2) shall be given pursuant to  
26 Section 64463.1 and 64465. The Tier 1 Public Notice shall include the mandatory health

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1 effects language from Appendix 64465-A for a total coliform MCL failure associated with a  
2 significant rise in bacterial count.

3  
4 The Water System shall post the public notice in conspicuous locations within the water  
5 system. Section 116450(g) requires that upon receipt of notification from a public water  
6 system, schools must notify school employees, students, and parents (if the students are  
7 minors), residential rental property owners or managers (including nursing homes and care  
8 facilities) must notify their tenants and business property owners, managers or operators  
9 must notify employees of businesses located on the property. These secondary notification  
10 requirements are included in the public notice.

11  
12 Notification of the public was conducted on November 9, 2012, advising each consumer of  
13 the failure of the total coliform MCL and the necessity to boil the water (Boil Water Order)  
14 prior to consumption until further notice. A copy of the notice template that was provided  
15 to the water system for delivery to each consumer is provided as Attachment C. The public  
16 notice advising of the Cancellation of the Boil Water Order issued on November 16, 2012 is  
17 provided here as Attachment D.

18  
19 Proof of notification submitted by the Water System is provided as Attachment E.

20  
21 **DIRECTIVES**

22 The Water System is hereby directed to take the following actions:

- 23  
24 1. By **February 28, 2013**, the Water System shall submit an amended Bacteriological  
25 Sample Siting Plan. Sampling addresses shall be identified along with a description  
26 of the sample point, for example: hose bib, faucet, wellhead, etc.

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2. The Water System shall require their certified operator or another trained sampler to collect all samples for bacteriological monitoring in accordance with an approved Bacteriological Sample Siting Plan.

3. The Water System shall notify the Department of any further violations of the total coliform MCL by the end of the business day on which the violation has been determined, or, if the Department is closed, within 24 hours of the determination.

4. By **February 28, 2013**, the Water System shall complete and submit the enclosed "Positive Total Coliform Investigation" form to the Department that describes the incident and all corrective actions taken, and the results of the investigation. The appropriate investigation report is provided as Attachment F.

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**CIVIL PENALTIES**

Sections 116650(d) and 116650(e) of the CHSC allow for the assessment of a civil penalty for failure to comply with requirements of the California Safe Drinking Water Act. Failure to comply with any provision of this Citation may result in the Department imposing an administrative penalty of not less than \$100 (one hundred dollars) per day as of the date of violation of any provision of this Citation.

2/1/13  
Date

Betsy Lichti  
Betsy S. Lichti, P.E.  
Senior Sanitary Engineer, Fresno District  
DRINKING WATER FIELD OPERATIONS BRANCH

- BSL/EL
- Attachments:
- Attachment A: Summary of Bacteriological Samples collected in 2012
- Attachment B: BSSP on file 11-16-09
- Attachment C: Public Notice Template for Boil Water Order
- Attachment D: Public Notice for Cancellation of Boil Water Order
- Attachment E: Proof of Notification
- Attachment F: Positive Total Coliform Investigation Form



# Bacteriological Distribution Monitoring Report

**1000277 Elm Court**
*Distribution System Freq: 1/M*

Sample Date	Time	Location	T Coli	E Coli	F Coli	Type	Cl2	Violation	Comment
1/30/2012	11:37	3504 S. Elm	A	A		Routine			
2/22/2012	14:45	3504 S. Elm	A	A		Routine			
3/30/2012	16:37	3504 S. Elm	A	A		Routine			
4/30/2012	15:17	3504 S. Elm	A	A		Routine			
5/31/2012		No Sample						MR1	WS operator left; WS submitted for June 2012 - Inspection planned for 7/18
6/21/2012	10:38	3504 S. Elm	A	A		Routine			
7/2/2012	10:48	3504 S. Elm	A	A		Routine			
7/31/2012	13:37	3504 S. Elm	A	A		Routine			
8/31/2012		No Sample						MR1	10/10/12 Issued EL 03-23-12E-106
9/24/2012	8:30	3504 S. Elm	A	A		Routine			
10/15/2012	9:00	3504 S. Elm	P	A		Routine			
11/1/2012	9:16	3504 S. Elm	A	A		Routine			
11/2/2012	11:42	3504 S. Elm	A	A		Routine			
11/2/2012	11:49	3520 S. Elm #107	P	A		Repeat			
11/2/2012	11:55	3508 S. Elm #106	P	A		Repeat			
11/2/2012	12:00	3508 S. Elm #101	P	A		Repeat			
11/2/2012	12:06	3520 S. Elm #101	P	A		Repeat		MCL	11/6/12 BWO issued
11/6/2012	11:09	3504 S. Elm	A	A		Repeat			11/6/12 BWO -This may be a source sample
11/6/2012	11:11	3508 S. Elm #110	A	A		Repeat			
11/6/2012	11:19	3508 S. Elm #107	A	A		Repeat			
11/6/2012	11:23	3508 S. Elm #106	A	A		Repeat			
11/6/2012	11:29	3508 S. Elm #104	A	A		Repeat			
11/6/2012	11:35	3508 S. Elm #103	A	A		Repeat			
11/14/2012	11:20	3504 S. Elm	A	A		Routine			11/16/12 BWO lifted
11/14/2012	11:20	3508 S. Elm #102	A	A		Routine			
11/14/2012	11:20	3520 S. Elm #101	A	A		Routine			
11/14/2012	11:20	3520 S. Elm #102	A	A		Routine			
11/14/2012	12:20	3504 S. Elm - Well	A	A		Source Routine			
12/10/2012	14:52	3508 S. Elm, #110	A	A		Routine			
12/10/2012	14:59	3508 S. Elm, #106	A	A		Routine			
12/10/2012	15:05	3504 S. Elm	A	A		Routine			
12/10/2012	15:11	3520 S. Elm, #101	A	A		Routine			
1/10/2013	13:30	3504 S. Elm	A	A		Routine			

**Violation Key**

MCL	Exceeds the maximum contaminant level	MR5	Incorrect number of repeat samples as follow-up to a positive sample
MR1	No monthly sample for the report month	MR6	No source sample
MR2	No quarterly sample for the report month	MR7	No summary report submitted
MR3	Incorrect number of routine samples for the report month	MR8	Other comments and/or info
MR4	Did not collect 5 routine samples for previous month's positive sample	MR9	Cl2 not reported

**BACTERIOLOGICAL-SAMPLE SITING PLAN FOR SMALL WATER SYSTEMS**

System No.: ELM COURT System Name: 1000277 No. Monthly Users: 1 Daily Users: 1

PWS Classification: CWS Sampling Frequency: 1/ Month Analyzing Lab: twining

No. Active Service Connections: 16 Person responsible to report coliform-positive samples to CDPH: Robert Gonzalez Day/Evening Phone No.: (559) 213-7176

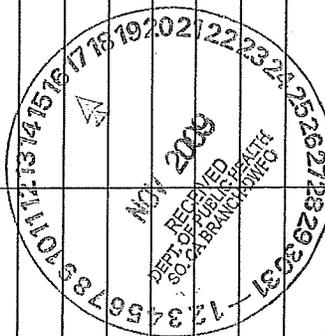
Name of Trained Sampler: Robert Gonzalez Date: 11/11/09

Signature of Water System Representative: Robert Gonzalez

Sample ID	Sample Type	Sample Point	Location of Sample Point	Address of Sample Point	Months Sample Collection at this Location
1-ROU	Routine			3504 S. ELM	MONTHLY
1-REP1	Repeat	SOURCE		WELL	Repeat Sample Only
1-REP2	Repeat	UPSTREAM		3516 S. ELM	Repeat Sample Only
1-REP3	Repeat	DOWNSSTREAM		3508 S. ELM	Repeat Sample Only
2-ROU	Routine			3508 S. ELM	MONTH after positive
2-REP1	Repeat				Repeat Sample Only
2-REP2	Repeat				Repeat Sample Only
2-REP3	Repeat				Repeat Sample Only
3-ROU	Routine			3516 S. ELM	MONTH after positive
3-REP1	Repeat				Repeat Sample Only
3-REP2	Repeat				Repeat Sample Only
3-REP3	Repeat				Repeat Sample Only
4-ROU	Routine			3520 S. ELM	MONTH after positive
4-REP1	Repeat				Repeat Sample Only
4-REP2	Repeat				Repeat Sample Only
4-REP3	Repeat				Repeat Sample Only
5-ROU	Routine			3508 S. ELM	MONTH after positive
5-REP1	Repeat				Repeat Sample Only
5-REP2	Repeat				Repeat Sample Only
5-REP3	Repeat				Repeat Sample Only

If the water system has one or more total coliform-positive samples, at least five routine samples will be collected the following month.

If chlorine is being used, is it used on a continuous basis? Yes  No



Date: 11/06/12

**BOIL WATER NOTICE**

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

**BOIL YOUR WATER BEFORE USING**

**Failure to follow this advisory could result in stomach or intestinal illness.**

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On November 2, 2012, it was determined that the distribution system at Elm Court has levels of coliform bacteria above the drinking water standard indicating a Significant Rise in Bacterial Count

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The California Department of Public Health in conjunction with the Elm Court Water System are advising residents of Elm Court to use boiled tap water or bottled water for drinking and cooking purposes as a safety precaution.

**DO NOT DRINK THE WATER WITHOUT BOILING IT FIRST.** Bring all water to a boil, **let it boil for one (1) minute**, and let it cool before using, or use bottled water. Boiled or bottled water should be used for drinking and food preparation **until further notice**. Boiling kills bacteria and other organisms in the water. This is the preferred method to assure that the water is safe to drink.

- An alternative method of disinfection for residents that are not able to boil their water is to use fresh, unscented, liquid household bleach. To do so, add 8 drops (or 1/8 teaspoon) of bleach per gallon of clear water or 16 drops (or 1/4 teaspoon) per gallon of cloudy water, mix thoroughly, and allow it to stand for 30 minutes before using. A chlorine-like taste and odor will result from this disinfection procedure and is an indication that adequate disinfection has taken place.
- Water disinfection tablets may also be used by following the manufacturer's instructions.

We will inform you when tests show that water is safe to drink and you no longer need to boil your water. We anticipate resolving the problem within a week from today.

For more information call:

Water Utility contact: Miguel Torres, Maintenance Supervisor, 559-265-4466 2975 E. Belmont Ave. Fresno, CA 93701.

California Department of Public Health – Drinking Water Field Operations Branch- District Office at 559-447-3300

Local Environmental Health Jurisdiction: Fresno County at (559) 600-3350

*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 notice in a public place or distributing copies by hand or mail.*

**ORDEN DE HERVIR EL AGUA**

Fecha: 11/9/2012

**Hierva su Agua antes de Usarla****Falta de seguir este aviso podría tener resultados estómago o enfermedad intestinal****Debido a la Bacterias Coliformes Totales en el Sistema de Agua de Elm Court**

Durante Noviembre 2012, el Departamento de Salud Publica de California en conjunción con la Elm Court esta aconsejando a todos usuarios de el sistema de Elm Court que hiervan el agua de canilla o usen agua embotellada para beber y cocinar como medida de seguridad.

**Que debo hacer?**

**NO BEBA EL AGUA SIN ANTES HERVIRLA.** Hierva toda el agua, **déjela hervir por un minuto**, y déjela reposar antes de usarla, o utilice agua embotellada. Agua hervida o embotellada debe ser usada para beber y para preparar la comida hasta el próximo aviso. Hierviendo mata a bacteria y otros organismos en el agua. Este es el metodo preferido para asegurar que el agua esta segura para beber.

- Otro método de purificación del agua para los residentes que no tengan gas o electricidad disponibles es utilizar blanqueador líquido de uso doméstico (Clorox®, Purex®, etc.). Para hacerlo, añada 8 gotas (o 1/4 cucharadita) de blanqueador por galón de agua clara, o 16 gotas (o media cucharadita) por galón de agua turbia, mézclelo bien y déjelo descansar 30 minutos antes de utilizarlo. Este procedimiento de purificación causa que el agua huela y tenga sabor a cloro, lo que indica que ha sido desinfectada de manera adecuada.
- También se puede utilizar tabletas de purificación del agua siguiendo las instrucciones del fabricante.

Le informaremos cuando las pruebas demuestren que no hay bacterias y que usted ya no necesita hervir su agua. Anticipamos que resolveremos el problema el dia 14 de Noviembre del 2012.

Para mas información, por favor póngase en contacto con:

Contacto del sistema de agua: Miguel Torres al 559-265-4466 o escribiendo a 2975 E. Belmont Ave. Fresno, CA. 93701.

Departamento de Salud Publica de California: 559-447-3300

Condado de Fresno: Fresno County at 559-600-3350

*Por favor comparta esta información con otros que pueden tomar de esta agua, colocando este aviso en lugares visibles, o remitiéndolo por correo, o entregandolo manualmente. Es de particular interés distribuir este aviso ampliamente si usted lo recibe representando un negocio, un hospital u hogar de infantes u hogar de ancianos o comunidad residencial.*

**Elm Court  
November 16, 2012**

**CANCELLATION OF BOIL WATER ORDER**

On November 6, 2012, you were notified to boil your tap water for drinking and cooking purposes or use bottled water.

The Elm Court water system in conjunction with the California Department of Public Health has determined that the problem has been corrected. Comprehensive testing of the water has been performed showing that no coliform bacteria were detected, and your water is safe to drink. **It is no longer necessary to boil your tap water or for you to consume bottled water.**

For more information call:

**Water Utility contact:** \_\_\_\_\_ at (\_\_\_\_) \_\_\_\_\_

California Department of Health Services: (559) 447-3300

**Elm Court  
November 16, 2012**

**CANCELACIÓN DE LA  
ADVERTENCIA DE HERVIR LA AGUA DE BEBER**

En el día 6 de Noviembre 2012 les notificaron que tenía que hervir su agua de beber o cocinar o usar agua de botella.

La Elm Court junto con el Departamento de California de Servicios de Salud han determinado que el problema ha sido corregido y el agua ha sido desinfectada. Los análisis del agua no tenían la presencia de bacterias coliformes así que puede beber o usar el agua de su llave sin peligro. Ya no es necesario que hierva el agua de su llave ni que consuma agua de botella.

Para mas información, por favor póngase en contacto con:

**Water Utility contact:** \_\_\_\_\_ at (\_\_\_\_) \_\_\_\_\_

California Department of Health Services: (559) 447-3300



RON CHAPMAN, MD, MPH  
Health Officer & Director

State of California—Health and Human Services Agency  
California Department of Public Health



EDMUND G. BROWN JR.  
Governor

AT Attachment E

**PROOF OF NOTIFICATION**

(Return with copy of notice)

As required by Section 116450 of the California Health and Safety Code, I notified all users of water supplied by the **Elm Court** of the failure to meet the **total coliform bacteria MCL** for the month of November 2012 as directed by the Department.

Notification was made on 11-09-12 by \_\_\_\_\_  
(date)

hand delivered and/or mailed and/or posted written notice.  
(circle all that apply)

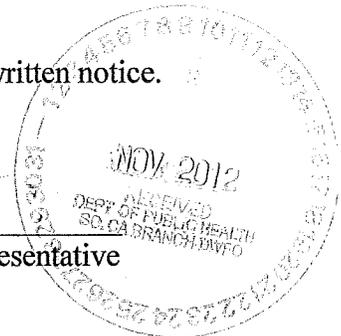
Signature of Water System Representative

Miguel Torres

Printed Name

Date

11/09/12



**DISCLOSURE:** Be advised that Section 116725 and 116730 of the California Health and Safety Code state that any person who knowingly makes any false statement on any report or document submitted for the purpose of compliance with the attached order may be liable for a civil penalty not to exceed five thousand dollars (\$5,000) for separate violation for each day that violation continues. In addition, the violators may be prosecuted in criminal court and upon conviction, be punished by a fine of not more than \$25,000 for each day of violation, or be imprisoned in the county jail not to exceed one year, or by both the fine and imprisonment.

Due: November 30, 2012  
Total Coliform MCL Failure: November 2012  
System Number: 1000277  
Citation No.: 03-23-13C-004



Do your part to help California save energy. To learn more about saving energy, visit the following web site:  
<http://www.fypower.org>

**Southern California Drinking Water Field Operations Branch**  
265 W. Bullard Avenue, Suite 101, Fresno, CA 93704  
(559) 447-3300; Fax (559) 447-3304  
Internet Address: <http://www.dhs.ca.gov/ps/ddwem/>

# POSITIVE TOTAL COLIFORM INVESTIGATION

## Simple Well with Pressure Tank Systems

Attachment F

This form is intended to assist public water systems in completing the investigation required by the California Department of Public Health (Section 64426(b) of Title 22, California Code of Regulations) and may be modified to take into account conditions unique to the system.

### ADMINISTRATIVE INFORMATION

<b>PWS Name:</b>		<b>PWS ID NUMBER:</b>	
<b>Name</b>		<b>Address</b>	
Operator in Responsible Charge (ORC)		Telephone #	
Person that collected TC samples if different than ORC			
Owner			
Certified Laboratory for Microbiological Analyses			
Date Investigation Completed:			
Month(s) of Total Coliform MCL Failure:			

### INVESTIGATION DETAILS

SOURCE	WELL (name)	WELL (name)	WELL (name)	WELL (name)	COMMENTS
1. Inspect each well head for physical defects and report					
a. Is raw water sample tap upstream from point of disinfection?					
b. Is wellhead vent pipe screened?					
c. Is wellhead seal watertight?					
d. Is well head located in pit or is any piping from the wellhead submerged?					
e. Does the ground surface slope towards well head?					
f. Is there evidence of standing water near the wellhead?					
g. Is there a check valve on the well discharge line? Is the check valve seating properly?					
h. Are there any connections to the raw water piping that could be cross connections? (describe all connections in comments)					
i. Is the wellhead secured to prevent unauthorized access?					
j. To what treatment plant (name) does this well pump?					
k. How often do you take a raw water total coliform (TC) test?					
l. Provide the date and result of the last TC test at this location					

# POSITIVE TOTAL COLIFORM INVESTIGATION

DISTRIBUTION SYSTEM	SYSTEM RESPONSES		
1. What is the minimum pressure you are maintaining in the distribution system?			
2. Did pressure in the distribution system drop to less than 5 psi prior to experiencing the TCR positive finding?			
3. Has the distribution system been worked on within the last week? (service taps, hydrant flushing, main breaks, main extensions, etc.) If yes, provide details.			
4. Are there any signs of excavations near your distribution system not under the direct control of your maintenance staff?			
5. Did you inspect your distribution system to check for mainline leaks? Do you or did you have a mainline leak?			
6. If there was a mainline leak, when was it repaired?			
7. On what date was the distribution system last flushed?			
8. Is there a written flushing procedure you can provide for our review?			
9. Do you have an active cross connection control program?			
10. What is name and phone number of your Cross-Connection Control Program Coordinator?			
11. Is the review and testing of backflow prevention devices current?			
12. On what date was the last physical survey of the system done to identify cross-connections?			

SAMPLE SITE EVALUATION (Complete for all TC+ or EC+ findings)	Routine Site TC+ or EC+	Upstream Site	Downstream Site	Sample 4 (specify)
	1. What is the height of the sample tap above grade? (inches)			
2. Is the sample tap located in an <u>exterior</u> location or is it protected by an <u>enclosure</u> ?				
3. Is the sample tap threaded, have a swing arm (kitchen sink) or aerator (sinks)?				
4. Is the sample tap in good condition, free of leaks around the stem or packing?				
5. Can the sample tap be adjusted to the point where a good laminar flow can be achieved without excessive splash?				
6. Is the sample tap and area around the sample tap clean and dry (free of animal droppings, other contaminants or spray irrigation systems)				
7. Is the area around the sample tap free of excessive vegetation or other impediments to sample collection				
8. Describe how the tap was treated in preparation for sample collection (ran water, swabbed with disinfectant, flamed, etc.)				
9. Is this sample tap designated on the sampling plan submitted with this information request?				
10. What were weather conditions at the time of positive sample (rainy, windy, sunny)?				

# POSITIVE TOTAL COLIFORM INVESTIGATION

Attachment F

Page 3 of 3

GENERAL OPERATIONS:	Response
1. Where there any power outages that affected water system facilities during the 30 days prior to the TC+ or EC + findings?	
2. Where there any main breaks, water outages, or low pressure reported in the service area where TC+ or EC+ samples were located.	
3. Does the system have backup power or elevated storage?	
4. During or soon after bacteriological quality problems, did you receive any complaints of any customers' illness suspected of being waterborne? How many?	
5. What were the symptoms of illness if you received complaints about customers being sick?	

## ADDITIONAL INFORMATION TO BE SUBMITTED WITH RESPONSES TO THE ABOVE QUESTIONS

1. Sketch of System showing all sources, treatment locations, storage tanks, microbiological sampling sites and general layout of the distribution system including the location of all hazardous connections such as the wastewater treatment facility.
2. A set of photographs of the well, pressure tanks, and storage tanks in the system may be submitted if they would show that the contamination is directly related and changes have been made since the last inspection by our Department
3. Name, certification level and certificate number of the Operator in Responsible Charge.
4. Copy of the last cross connection survey performed that identifies the location of all unprotected cross connections.

**SUMMARY:** BASED ON THE RESULTS OF YOUR INVESTIGATION AND ANY OTHER INFORMATION AT YOUR DISPOSAL, WHAT DO YOU BELIEVE TO BE THE CAUSE OF THE POSITIVE TOTAL COLIFORM SAMPLES FROM YOUR PUBLIC WATER SYSTEM?

**CERTIFICATION:** I CERTIFY THAT THE INFORMATION SUBMITTED IN RESPONSE TO THE QUESTIONS ABOVE IS ACCURATE TO THE BEST OF MY PROFESSIONAL KNOWLEDGE

NAME: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_