

State Water Resources Control Board
Division of Drinking Water

October 10, 2014
System No.: 5401094

Mr. Ranjit Nagra
RJ's Travel Center
P.O. Box 115
Traver, CA 93673

RE: **Citation No. 03-24-14C-015**
Violation of Title 22, California Code of Regulations, Section 64426.1,
For July 2014

Dear Mr. Nagra:

Enclosed is a Citation issued to the RJ's Travel Center (Water System) public water system.

The Water System will be billed at the Division's hourly rate (currently estimated at \$126.00) for the time spent on issuing this Citation. The California Health and Safety Code Section 116577 provides that a public water system must reimburse the Division for actual costs incurred by the Division for specified enforcement actions, including but not limited to, preparing, issuing and monitoring compliance with a citation. At this time, the Division has spent approximately one and one half hours on enforcement activities associated with this violation.

The Water System will receive a bill sent from the Division of Drinking Water Fee Billing Unit in August of the next fiscal year. This bill will contain fees for any enforcement time spent on RJ's Travel Center for the current fiscal year.

If you have any questions regarding this letter and the enclosed citation, please contact the Tulare District office at (559) 447-3300.

Sincerely,



Chad Fischer, P.E.
Senior Sanitary Engineer, Tulare District
SOUTHERN CALIFORNIA BRANCH
DRINKING WATER FIELD OPERATIONS

CF/SF
Enclosures
cc: Tulare County Environmental Health Services Division

STATE OF CALIFORNIA
WATER RESOURCES CONTROL BOARD
DIVISION OF DRINKING WATER

IN RE: **RJ'S TRAVEL CENTER**
Water System No. 5401094

TO: Mr. Ranjit Nagra
RJ's Travel Center
P.O. Box 115
Traver, CA 93673

CC: Tulare County Environmental Health Services Division

CITATION FOR VIOLATION OF
CALIFORNIA CODE OF REGULATIONS, TITLE 22, SECTION 64426.1
July 2014

Issued on October 10, 2014

Section 116650 of the California Health and Safety Code authorizes the issuance of a citation to a public water system for violation of the California Safe Drinking Water Act (Health and Safety Code, Division 104, Part 12, Chapter 4, commencing with Section 116270) (hereinafter "California SDWA"), or any regulation, standard, permit or order issued or adopted thereunder.

The State Water Resources Control Board (hereinafter "Board"), acting by and through its Division of Drinking Water (hereinafter "Division") and the Deputy Director for the Division (hereinafter "Deputy Director"), hereby issues a citation to the RJ's Travel Center water system (hereinafter "Water System") (P.O. Box 115, Traver, CA 93673) for violation of California Code of Regulations (CCR), Title 22, Section 64426.1.

1 **APPLICABLE AUTHORITIES**

2 The applicable statutes and regulations are provided in Appendix A, attached hereto and
3 incorporated by reference.
4

5 **STATEMENT OF FACTS**

6 The Water System is a transient water system serving a transient population of
7 approximately one hundred (100) persons through one (1) service connection. Effective
8 July 1, 2014 the Tulare County Environmental Health Services Division (TCEHSD)
9 transferred the jurisdictional regulatory oversight for this water system to the Division. The
10 Water System currently operates under a water supply permit issued by the TCEHSD on
11 July 2, 2007.
12

13 The Water System is required to collect a minimum of one (1) distribution system
14 bacteriological sample per quarter. The bacteriological water analysis results submitted by
15 the Water System reported the presence of total coliform bacteria in two (2) of five (5)
16 samples collected by the Water System in July 2014. None of the positive samples
17 showed the presence of fecal coliform or *E. coli* bacteria.
18

19 Upon being informed of the presence of total coliform bacteria in one (1) routine sample
20 collected on July 11, 2014, the Water System's contract sampler collected a total of four (4)
21 repeat samples on July 13, 2014. One (1) of the repeat samples showed the presence of
22 total coliform bacteria. All water samples for coliform bacteria collected during the past
23 year are summarized in Attachment A.
24

25 The cause of the contamination is unknown since no specific source of contamination has
26 been identified. The Water System does not provide continuous disinfection of the
27 distribution system. Triggered source monitoring was conducted from the only active well,
and results were negative for total coliform and *E. coli* bacteria. The five routine samples

1 required the month following a month with one or more total coliform-positive samples were
2 collected on August 18, 2014, and were negative for total coliform bacteria.

3
4 Public notification to the Division and consumers of a water system is required whenever a
5 violation of the Total Coliform MCL occurs. Notification to the Division is required by the
6 end of the business day on which the violation has been determined. If the Division is
7 closed, notification shall be within 24 hours of the determination. The Division was not
8 notified in accordance with the above-referenced section

9
10 Public notification to the consumers of the Water System needs to be conducted.
11 Attachment B is a copy of the public notice that the Water System should use to notify its
12 customers. This notice fulfills the total coliform MCL notification requirements and includes
13 the mandatory language. Proof of notification is required.

14
15 **DETERMINATION**

16 Title 22, CCR, Section 64426.1, Total Coliform Maximum Contaminant Level (MCL)
17 provides that a public water system that collects fewer than 40 bacteriological samples per
18 month has violated the regulation if more than one (1) sample collected during any month
19 is total coliform-positive.

20
21 The Division has determined that the Water System failed to comply with Title 22, CCR,
22 Section 64426.1, Total Coliform MCL for the month of July 2014 due to the presence of
23 total coliform bacteria in two (2) of five (5) samples collected in July 2014.

24
25 The Division has also determined that the Water System failed to comply with Title 22,
26 CCR, Section 64426.1(c) which requires a public water system to notify the Division and
27 the consumers of the water system, when a violation of the total coliform MCL occurs.
Notification to the Division is required by the end of the business day on which the violation

1 has been determined. If the Division is closed, notification shall be within 24 hours of the
2 determination.

3
4 **DIRECTIVES**

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

- 6
- 7 1. Comply with Title 22, CCR, Section 64426.1, in all future monitoring periods.
 - 8
 - 9 2. On or before **November 15, 2014**, notify all persons served by the Water System of
10 the TCR MCL violation by utilizing the Tier 2 Public Notice for violations of Section
11 64426.1. Public notice shall be given pursuant to Sections 64463.4 [lists method,
12 time-frame and delivery] and 64465 [content & format]. The Water System shall
13 use the public notification template appended as Attachment B to fulfill the public
14 notification requirements.

15

16 Section 64463.4 allows non-transient non-community water systems to give public
17 notice by posting the notice in conspicuous locations throughout the area served by
18 the water system. The Water System shall post the notice in conspicuous locations
19 throughout the area served by the water system.

- 20
- 21 3. Within 10 days of posting the Public Notice, the Water System shall provide to the
22 Division certification of public notification using the enclosed Proof of Notification
23 form (Attachment C). A copy of the final notice that was posted shall also be
24 submitted to the Division with the proof of notification form.

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4. The Water System shall notify the Division 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 Division is closed, within 24 hours of the determination.

5. By **November 15, 2014**, the Water System shall complete and submit the enclosed "Positive Total Coliform Investigation" form to the Division that describes the incident and all corrective actions taken, and the results of the investigation. The appropriate investigation report is provided as Attachment D.

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

Nothing in this Citation relieves the Water System of its obligation to meet the requirements of the California Safe Drinking Water Act or any regulation, standard, permit or order issued thereunder.

All submittal required by this Citation shall be submitted to the Division at the following address:

Chad Fischer, P.E.
Senior Sanitary Engineer
State Water Resources Control Board
Division of Drinking Water
265 W. Bullard Avenue, Suite 101
Fresno, CA 93704

PARTIES BOUND

This Citation shall apply to and be binding upon the RJ's Travel Center water system, its officers, directors, agents, employees, contractors, successors, and assignees.

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SEVERABILITY

The Directives of this Citation are severable, and the Water System shall comply with each and every provision thereof notwithstanding the effectiveness of any provision.

FURTHER ENFORCEMENT ACTION

The California SDWA authorizes the Board to: issue citation with assessment of administrative penalties to a public water system for violation or continued violation of the requirements of the California SDWA or any permit, regulation or order issued or adopted thereunder including, but not limited to, failure to correct a violation identified in a citation or compliance order. The California SDWA also authorizes the Board to take action to suspend or revoke a permit that has been issued to a public water system if the system has violated applicable law or regulations or has failed to comply with an order of the Board; and to petition the superior court to take various enforcement measures against a public water system that has failed to comply with an order of the Board. The Board does not waive any further enforcement action by issuance of this citation.

10/10/14

Date



Chad Fischer, P.E.
Senior Sanitary Engineer, Tulare District
DRINKING WATER FIELD OPERATIONS BRANCH

TW/SF

Attachments:

- Attachment A: Summary of bacteriological samples collected during the past year
- Attachment B: Public Notice
- Attachment C: Proof of Notification
- Attachment D: Positive Total Coliform Investigation

APPENDIX A

Applicable Statutes and Regulations for Citation No. 03-12-14C-034

Section 116650 of the CHSC states in relevant part:

§116650. Citations

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

Section 64426.1 of Title 22, California Code of Regulations (CCR) states in relevant part:

§64426.1. Total Coliform Maximum Contaminant Level (MCL).

- (a) Results of all samples collected in a calendar month pursuant to Sections 64423, 64424, and 64425 that are not invalidated by the Department or the laboratory shall be included in determining compliance with the total coliform MCL. Special purpose samples such as those listed in §64421(b) and samples collected by the water supplier during special investigations shall not be used to determine compliance with the total coliform MCL.
- (b) A public water system is in violation of the total coliform MCL when any of the following occurs:
 - (1) For a public water system which collects at least 40 samples per month, more than 5.0 percent of the samples collected during any month are total coliform-positive; or
 - (2) For a public water system which collects fewer than 40 samples per month, more than one sample collected during any month is total coliform-positive; or
 - (3) Any repeat sample is fecal coliform-positive or E. coli-positive; or
 - (4) Any repeat sample following a fecal coliform-positive or E. coli-positive routine sample is total coliform-positive.
- (c) If a public water system is not in compliance with paragraphs (b)(1) through (4), during any month in which it supplies water to the public, the water supplier shall notify the Department by the end of the business day on which this is determined, unless the determination occurs after the Department office is closed, in which case the supplier shall notify the Department within 24 hours of the determination. The water supplier shall also notify the consumers served by the water system. A Tier 2 Public Notice

1 shall be given for violations of paragraphs (b)(1) or (2), pursuant to section 64463.4. A
2 Tier 1 Public Notice shall be given for violations of paragraphs (b)(3) or (4), pursuant
3 to section 64463.1.

3 **Section 64463.4 of Title 22, California Code of Regulations (CCR) states in relevant part:**
4 §64463.4. Tier 2 Public Notice.

4 (a) A water system shall give public notice pursuant to this section if any of the following
5 occurs:

- 5 (1) Any violation of the MCL, MRDL, and treatment technique requirements, except:
6 (A) Where a Tier 1 public notice is required under section 64463.1; or
7 (B) Where the Department determines that a Tier 1 public notice is required,
8 based on potential health impacts and persistence of the violations;
9 (2) All violations of the monitoring and testing procedure requirements in sections
10 64421 through 64426.1, article 3 (Primary Standards – Bacteriological Quality),
11 for which the Department determines that a Tier 2 rather than a Tier 3 public
12 notice is required, based on potential health impacts and persistence of the
13 violations;

10
11 (b) A water system shall give the notice as soon as possible within 30 days after it learns
12 of a violation or occurrence specified in subsection (a), except that the water system
13 may request an extension of up to 60 days for providing the notice. This extension
14 would be subject to the Department's written approval based on the violation or
15 occurrence having been resolved and the Department's determination that public
16 health and welfare would in no way be adversely affected. In addition, the water
17 system shall:

- 15 (1) Maintain posted notices in place for as long as the violation or occurrence
16 continues, but in no case less than seven days;
17 (2) Repeat the notice every three months as long as the violation or occurrence
18 continues. Subject to the Department's written approval based on its
19 determination that public health would in no way be adversely affected, the water
20 system may be allowed to notice less frequently but in no case less than once per
21 year. No allowance for reduced frequency of notice shall be given in the case of a
22 total coliform MCL violation or violation of a Chapter 17 treatment technique
23 requirement; and

19
20 (c) A water system shall deliver the notice, in a manner designed to reach persons
21 served, within the required time period as follows:

- 21 (1) Unless otherwise directed by the Department in writing based on its assessment
22 of the violation or occurrence and the potential for adverse effects on public
23 health and welfare, community water systems shall give public notice by;
24 (A) Mail or direct delivery to each customer receiving a bill including those that
25 provide their drinking water to others (e.g., schools or school systems,
26 apartment building owners, or large private employers), and other service
27 connections to which water is delivered by the water system; and
(B) Use of one or more of the following methods to reach persons not likely to
be reached by a mailing or direct delivery (renters, university students,
nursing home patients, prison inmates, etc.):
1. Publication in a local newspaper;
2. Posting in conspicuous public places served by the water system, or on
the Internet; or

3. Delivery to community organizations.
- (2) Unless otherwise directed by the Department in writing based on its assessment of the violation or occurrence and the potential for adverse effects on public health and welfare, noncommunity water systems shall give the public notice by:
 - (A) Posting in conspicuous locations throughout the area served by the water system; and
 - (B) Using one or more of the following methods to reach persons not likely to be reached by a public posting:
 1. Publication in a local newspaper or newsletter distributed to customers;
 2. E-mail message to employees or students;
 3. Posting on the Internet or intranet; or
 4. Direct delivery to each customer.

Section 64465. of Title 22, California Code of Regulations (CCR) states in relevant part:
§64465. Public Notice Content and Format.

- (a) Each public notice given pursuant to this article, except Tier 3 public notices for variances and exemptions pursuant to subsection (b), shall contain the following:
 - (1) A description of the violation or occurrence, including the contaminant(s) of concern, and (as applicable) the contaminant level(s);
 - (2) The date(s) of the violation or occurrence;
 - (3) Any potential adverse health effects from the violation or occurrence, including the appropriate standard health effects language from appendices 64465-A through G;
 - (4) The population at risk, including subpopulations particularly vulnerable if exposed to the contaminant in drinking water;
 - (5) Whether alternative water supplies should be used;
 - (6) What actions consumers should take, including when they should seek medical help, if known;
 - (7) What the water system is doing to correct the violation or occurrence;
 - (8) When the water system expects to return to compliance or resolve the occurrence;
 - (9) The name, business address, and phone number of the water system owner, operator, or designee of the water system as a source of additional information concerning the public notice;
 - (10) A statement to encourage the public notice recipient to distribute the public notice to other persons served, using the following standard language: "Please share this information with all the other people who drink this water, especially those who may not have received this public 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"; and
 - (11) For a water system with a monitoring and testing procedure violation, this language shall be included: "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 your drinking water meets health standards. During [*compliance period dates*], we [*did not monitor or test*' or '*did not complete all monitoring or testing*'] for [*contaminant(s)*], and therefore, cannot be sure of the quality of your drinking water during that time."

.....

- (c) Each public notice given pursuant to this article shall contain information in Spanish regarding the importance of the notice, or contain a telephone number or address

1 where Spanish-speaking residents may contact the water system to obtain a
2 translated copy of the public notice or assistance in Spanish. For each non-English
speaking group other than Spanish-speaking that exceeds 1,000 residents or 10% of
the residents in the community served, whichever is less, the public notice shall:

- 3 (1) Contain information in the appropriate language(s) regarding the importance of
the notice, or
4 (2) Contain a telephone number or address where such residents may contact the
water system to obtain a translated copy of the notice or assistance in the
5 appropriate language.

6 (d) Each public notice given pursuant to this article shall:

- 7 (1) Be displayed such that it catches people's attention when printed or posted and
be formatted in such a way that the message in the public notice can be
understood at the eighth-grade level;
8 (2) Not contain technical language beyond an eighth-grade level or print smaller than
12 point; and
9 (3) Not contain language that minimizes or contradicts the information being given in
the public notice.
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RJ'S TRAVEL CENTER**5401094***Distribution System Freq: Q**Chlorinator: N**Collected by: Neil Jessup*

<i>Sample Date</i>	<i>Time</i>	<i>Location</i>	<i>T Coli</i>	<i>E Coli</i>	<i>F Coli</i>	<i>Type</i>	<i>Cl2</i>	<i>Violation</i>	<i>Comment</i>
8/30/2013	14:20	System	A	A		Routine			
9/30/2013								MR1	No September sample taken Enforcement Action
10/1/2013	12:45	sink	A	A		Routine			
11/9/2013	13:45	Handsink	A	A		Routine			
12/5/2013	14:30	System	A	A		Routine			
1/9/2014	16:30	System	A	A		Routine			
2/15/2014	15:45	handsink	A	A		Routine			
3/5/2014	14:32	handwash sink	A	A		Routine			
4/21/2014	15:45	handwash sink	A	A		Routine			
5/26/2014	9:05	handwash sink	A	A		Routine			

Bacteriological Distribution Monitoring Report

5401094 RJ's Travel Center

Distribution System Freq: 1/Q

Sample Date	Location	T Coli	E Coli	F Coli	HPC	Type	Cl2	Cl2 Avg	Viol. Type	GWR Satisfied?	Comments
8/18/2014	Handwash sink	A	A			Routine					
8/18/2014	Triple Sink	A	A			Routine					
8/18/2014	South HB	A	A			Routine					
8/18/2014	East HB	A	A			Routine					
8/18/2014	North HB	A	A			Routine					
7/13/2014	handwash sink	1	<1.0			Repeat			MCL		Cit 03-12-14C-034
7/13/2014	Triple wash sink	<1.0	<1.0			Repeat					
7/13/2014	East HB	<1.0	<1.0			Repeat					
7/11/2014	Handwash Sink	P	A			Routine				Yes	
6/19/2014	Handwash Sink	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

Source Bacteriological Monitoring Report

5401094 RJ's Travel Center

<i>Sample Date</i>	<i>Time</i>	<i>Source</i>	<i>Sample Type</i>	<i>Test Method</i>	<i>T Coli</i>	<i>E Coli</i>	<i>F Coli</i>	<i>HPC</i>	<i>Violation</i>	<i>Comments</i>
7/13/2014	2:35	Domestic Well	GWR Well	MPN	<1.0	<1.0				

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.

**RJ's Travel Center Has Levels of Coliform Bacteria
Above the Drinking Water Standard**

Our water system recently failed a drinking water standard. Although this incident 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 routinely monitor for drinking water contaminants. We took five (5) samples to test for the presence of coliform bacteria in July 2014. Two (2) of these samples showed the presence of total coliform bacteria. The standard is that no more than 1 sample per month may show the presence of coliform bacteria.

What should I do?

- **You do not need to boil your water or take other corrective actions.**
- This is not an emergency. If it had been, you would have been notified immediately. Total coliform bacteria are generally not harmful themselves. *Coliforms are bacteria which are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems.*
- Usually, coliforms are a sign that there could be a problem with the treatment or distribution system (pipes). Whenever we detect coliform bacteria in any sample, we do follow-up testing to see if other bacteria of greater concern, such as fecal coliform or *E. coli*, are present. **We did not find any of these bacteria in our subsequent testing.**
- People with severely compromised immune systems, infants, and some elderly may be at increased risk. These people should seek advice about drinking water from their health care providers. General guidelines on ways to lessen the risk of infection by microbes are available from EPA's Safe Drinking Water Hotline at 1(800) 426-4791.
- If you have other health issues concerning the consumption of this water, you may wish to consult your doctor.

What happened? What is being done?

We disinfected the water system, and took repeat samples. We have taken 5 samples in August, all of which tested negative for total coliform bacteria, thus resolving the problem.

For more information, please contact _____ at (_____) _____-_____ or at the following 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 RJ's Travel Center.

Date distributed: _____.

PROOF OF NOTIFICATION
(Return with copy of the Notice)

As required by Section 116450 of the California Health and Safety Code, I notified all users of water supplied by the **RJ's Travel Center water system** of the failure to meet the **total coliform bacteria MCL** for the month of **July 2014** as directed by the Division. At least one primary distribution method is required: mail, hand-delivery or posting in conspicuous locations. A second method is also required in order to reach persons not likely to be reached by a mailing, direct delivery or posting:

Notification was made on _____
(date)

To summarize report delivery used and good-faith efforts taken, please check all items below that apply and fill-in where appropriate:

- The notice was distributed by mail delivery to each customer served by the water system.
- The notice was distributed by direct delivery to each customer served by the water system. Specify direct delivery method(s) used: _____
- Publication of the notice in a local newspaper or newsletter of general circulation (attach a copy of the published notice, including name of newspaper and date published).
- Posted the notice at the following conspicuous locations served by the water system (if needed, please attach a list of locations). _____
- Email message to employees or students. _____
- Other method used to notify customers. _____

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.

Certified by Name and Title: _____

Date: _____ Signature: _____

**POSITIVE TOTAL COLIFORM INVESTIGATION
Simple Well with Pressure Tank Systems**

This form is intended to assist public water systems in completing the investigation required by the Division of Drinking Water (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

PWS Name:		PWSID NUMBER:	
Operator in Responsible Charge (ORC)		Address	
Person that collected TC samples if different than ORC		Telephone #	
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. Are there any connections to the raw water piping that could be cross connections? (describe all connections in comments)					
h. Is the wellhead secured to prevent unauthorized access?					
i. To what treatment plant (name) does this well pump?					
j. How often do you take a raw water total coliform (TC) test?					
k. Provide the date and result of the last TC test at this location					

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.	

POSITIVE TOTAL COLIFORM INVESTIGATION

DISTRIBUTION SYSTEM	SYSTEM RESPONSES
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 exterior location or is it protected by an enclosure ?				
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 the weather conditions at the time of the positive sample (rainy, windy, sunny),				

POSITIVE TOTAL COLIFORM INVESTIGATION

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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: _____