

State Water Resources Control Board
Division of Drinking Water

November 20, 2014

Denise Johnson
General Manager
Juniper Riviera County Water District
P.O. Box 386
Apple Valley, CA 92307

CITATION NO. 05-13-14C-011
JUNIPER RIVIERA COUNTY WATER DISTRICT (SYSTEM NO. 3600222)

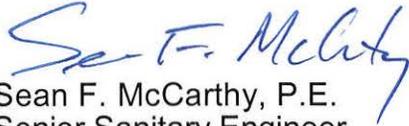
Dear Ms. Johnson:

Enclosed is a Citation issued to the Juniper Riviera County Water District (hereinafter, District). The Citation is being issued because the District has failed to comply with the Total Coliform Rule (TCR) maximum contaminant level (MCL), in the month of September 2014. The District also failed to comply with TCR monitoring and reporting requirements during the month of September 2014. Therefore, the District has violated the following Sections of Chapter 15, Title 22, California Code of Regulations (CCR), as follows:

1. Title 22, CCR, Section 64426.1(b)(2). Specifically, the District failed to meet the Primary Drinking Water Standards for bacteriological quality in the month of September 2014. A public water system which collects fewer than 40 samples per month is in violation of the Total Coliform Maximum Contaminant Level (MCL) when more than one (1) sample collected during a single month is total coliform-positive.
2. Title 22, CCR, Section 64426.1(c). Specifically, the District failed to notify the Division of the TCR MCL exceedance.
3. Title 22, CCR, Section 64424(a)(1). Specifically, the District failed to collect the required number of repeat samples following the total-coliform positive notifications.
4. Title 22, CCR, Section 64423.1(c)(1). Specifically, the District failed to submit the monthly coliform summary and analytical results by the tenth day of October 2014.
5. Title 22, CCR, Section 64430. Specifically, the District failed to conduct triggered source sampling pursuant to the Ground Water Rule.

If you have any questions regarding this enforcement action, please contact Esther Brewer at (909) 383-5468 or Brenda Pauli at (909) 383-6029.

Sincerely,

A handwritten signature in blue ink that reads "Sean F. McCarthy". The signature is written in a cursive style with a large initial "S".

Sean F. McCarthy, P.E.
Senior Sanitary Engineer
San Bernardino District
Southern California Field Operations Branch

Enclosure: Citation No. 05-13-14C-011

ENCLOSURE

CITATION NO. 05-13-14C-011

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26

STATE OF CALIFORNIA
WATER RESOURCES CONTROL BOARD
DIVISION OF DRINKING WATER

TO: Juniper Riviera County Water District
P. O. Box 386
Apple Valley, CA 92307

ATTN: Denise Johnson
General Manager

CITATION FOR VIOLATION OF CALIFORNIA CODE OF REGULATIONS,
TITLE 22, SECTION 64426.1 - WATER SYSTEM NO. 3600222
CITATION NO. 05-13-14C-011
Issued on November 20, 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.

VIOLATIONS

The State Water Resources Control 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 Juniper Riviera County Water District

1 (hereinafter District) (mailing address: P.O. Box 386, Apple Valley, CA 92307) for violation
2 of the California Code of Regulations (CCR), Title 22, Sections 64426.1, 64424, 64423,
3 and 64430, as follows:

4
5 1. Title 22, California Code of Regulations (CCR), Section 64426.1(b)(2). Specifically,
6 the District failed to meet the Primary Drinking Water Standards for bacteriological
7 quality in the month of September 2014. A public water system which collects fewer
8 than 40 samples per month is in violation of the Total Coliform Maximum Contaminant
9 Level (MCL) when more than one (1) sample collected during a single month is total
10 coliform-positive.

11
12 2. Title 22, CCR, Section 64426.1(c). Specifically, the District failed to notify the Division
13 of the total coliform MCL exceedance in the month of September 2014. The District is
14 required to notify the Division by the end of the business day of which an MCL
15 exceedance is determined, unless the determination occurs after the Division is
16 closed, in which case the supplier shall notify the Division within 24 hours of the
17 determination.

18
19 3. Title 22, CCR, Section 64424(a)(1). Specifically, the District failed to collect the
20 required number of repeat samples following a total-coliform positive result. The
21 District is required to collect, within a 24 hour period, a repeat sample set of at least
22 three (3) samples, from each total coliform-positive site. The repeat sample set must
23 consist of one from the original total coliform-positive sample tap, one within five
24 service connections upstream, and one within five service connections downstream of
25 the original site.
26

1 4. Title 22, CCR, Section 64423.1(c)(1). Specifically, the District failed to submit the
2 monthly coliform summary and analytical results by the tenth day of October 2014.
3 The District shall require the laboratory to submit copies of all required bacteriological
4 monitoring results directly to the Division.

5
6 5. Title 22, CCR, Section 64430. Specifically, the District failed to conduct triggered
7 source water sampling pursuant to the Groundwater Rule (GWR). The District is
8 required to collect, within 24 hours of notification of the total coliform-positive sample,
9 at least one ground water sample from each ground water source in use at the time
10 the total coliform-positive was collected.

11
12 **STATEMENT OF FACTS**

13 The Juniper Riviera County Water District is currently operating by authority of Water
14 Permit No. 05-13-08P-002 issued by the Division on February 7, 2008.

15
16 The District is a community water system which supplies water for domestic purposes to
17 an approximate population of 385 persons through 232 metered service connections. The
18 District currently collects five routine bacteriological water quality samples from the
19 distribution system and one from each active ground water source every month. The
20 regulatory oversight of the District was transferred from the County of San Bernardino,
21 Division of Environmental Health, to the Division in July 2007.

22
23 The District's domestic water supply system consists of two active vertical wells (Nos. 1
24 and 2), three steel reservoirs, two booster stations, and approximately 2 miles of
25 distribution lines. The distribution system is comprised of three pressure zones. The two
26 active wells have a total production capacity of approximately 155 gpm and there are no

1 interconnections to other water systems. The District's combined storage capacity for the
2 system is 165,000 gallons. The District is required to provide continuous chlorination and
3 maintain a detectable residual throughout the distribution system at all times.

4
5 On September 11, 2014, the District collected five (5) routine samples from the
6 distribution system for bacteriological analysis. On September 12, 2014, the District was
7 notified by the laboratory that two samples were total coliform-positive, but *E.coli*
8 negative. The District failed to notify the Division that the MCL was exceeded. An MCL
9 exceedance and failure to notify the Division of the exceedance constitutes a violation of
10 the Total Coliform Rule MCL for the month of September 2014, as specified in Sections
11 64426.1(b)(2) and 64426.1(c).

12
13 On September 15, 2014, the District collected only two repeat samples from the
14 distribution system, and no samples from the groundwater sources. The District was
15 required to collect, within 24 hours, a total of six repeat samples from the distribution
16 system, and one sample at each ground water source in use at the time of the total
17 coliform-positive notification. Failure to conduct required repeat sampling constitutes a
18 monitoring violation of the Total Coliform and Ground Water Rules, as specified in
19 Sections 64424(a)(1), and 64430, consecutively.

20
21 The Division became aware of the TCR violations on October 31, 2014, when the
22 coliform lab results and monthly coliform summary were received by mail. The total
23 coliform-positive samples were not reported on the monthly coliform summary.
24 (Attachment No. 1). Failure to submit the monthly summary of bacteriological monitoring
25 results and required bacteriological lab results to the Division by the tenth day of the
26 following month constitutes a reporting violation, as specified in Section 64423.1(c)(1).

1 **DIRECTIVES**

2 The System is hereby directed to take the following actions:

3

4 1) By December 5, 2014, the District shall notify it's consumers of the bacteriological
5 water quality failure in conformance with Section [64426.1(b)(2)], Title 22, CCR.

6

7 • A Tier 2 Public Notice must be issued to consumers by mail or direct delivery, and;
8 to reach persons not likely to be reached by a mailing or direct delivery, the notice
9 shall be published in a local newspaper. (Attachment No. 2)

10

11 • The notice shall contain mandatory health effects language for microbiological
12 contaminants pursuant to Appendix 64465-A, of Title 22, CCR. The contents of
13 notice shall be approved by the Division prior to distribution.

14

15 2) Within 10 days following issuance of the notice, the District shall submit the attached
16 Proof of Notification form indicating that all the public notice requirements have been
17 met pursuant to Section 64469(d), Title 22, CCR. (Attachment No. 3)

18

19 3) By December 31, 2014, the District shall submit a revised Bacteriological Sample
20 Siting Plan (Plan) for Division review and approval. The plan shall include routine
21 sampling procedures, repeat sampling procedures, notification requirements, and
22 triggered source monitoring requirements. (see Attachment 4 for guidance)

23

24 4) Within 30 days of issuance of this citation, a detailed investigation of findings is
25 required. Complete and submit to the Division the Positive Total Coliform Investigation
26 form, in accordance with Section [64426 (b)] of Title 22, CCR. (Attachment No. 4)

1 The Division reserves the right to make such modifications to this Citation as it may deem
2 necessary to protect public health and safety. Such modifications may be issued as
3 amendments to this Citation, and shall be deemed effective upon issuance. Nothing is
4 this Citation relieves the District of its obligation to meet the requirements of the California
5 Safe Drinking Water Act, or of any regulation, permit, standard, or order issued or
6 adopted thereunder.

7

8 All submittals required by this citation shall be sent to:

9

10 Sean F. McCarthy, P.E.
11 Senior Sanitary Engineer
12 State Water Resources Control Board
13 Division of Drinking Water
14 464 W. 4th Street, Suite 437
15 San Bernardino, CA 92401

16

17

PARTIES BOUND

18

19

20

This Citation shall apply to and be binding upon the Juniper Rivera County Water District
(District), its officers, directors, shareholders, agents, employees, contractors, successors,
and assignees.

21

22

SEVERABILITY

23

24

25

26

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

FURTHER ENFORCEMENT ACTION

The California SDWA authorizes the Division to: issue a 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, regulations, permit 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 Division 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 Division; and to petition the superior court to take various enforcement measures against a public water system that has failed to comply with or violations an order of the Division. The Division does not waive any further enforcement action by issuance of this citation.

November 20, 2014
Date

Sean F. McCarthy
Sean F. McCarthy, P.E.
Senior Sanitary Engineer
San Bernardino District

Attachments (4)

Attachment No. 1

Monthly Coliform Summary and
Coliform Lab Results for September 2014

MONTHLY SUMMARY OF DISTRIBUTION SYSTEM COLIFORM MONITORING (including triggered source monitoring for systems subject to the Groundwater Rule)

System Name JUNIPER RIVIERA COUNTY WATER DISTRICT	System Number 3600222 FA000714 PERMIT #05-13-08P-002
Sampling Period SEPTEMBER	Year 2014

	Number Required	Number Collected	Number Total Coliform Positives	Number Fecal/E.coli Positives
1. Routine Samples (see note 1)	<u>5</u>	<u>5</u>	<u>0</u>	<u>0</u>
2. Repeat Samples following Samples that are Total Coliform Positive and Fecal/E.coli <i>Negative</i> (see notes 5 and 6)		_____	_____	[]
3. Repeat Samples following Routine Samples that are Total Coliform <i>Positive</i> and Fecal/E.coli Positive (see notes 5 and 6)		_____	[]	[]
4. MCL Computation for Total Coliform Positive Samples				
a. Totals (sum of columns)		_____	_____	
b. If 40 or more samples collected in month, determine percent of samples that are total coliform positive [(total number positive/total number collected) x 100] = _____ %				
c. Is system in compliance....with fecal/E. coli MCL? (see notes 2 and 3)		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
...with monthly MCL? (see note 4)		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
5. Source Samples Triggered by Routine Samples that are Total Coliform Positive (This applies only to systems subject to the Groundwater Rule - see notes 7 and 8)		_____	_____	[]
6. Invalidated Samples (Note what samples, if any, were invalidated; who authorized the invalidation; and when replacement samples were collected. Attach additional sheets, if necessary.)				
7. Summary Completed By:				

RECEIVED
OCT 31 2014

Drinking Water Program
San Bernardino County

Signature <i>Alexise Johnson</i>	Title <i>Gen Mgr.</i>	Date <i>10/27/14</i>
-------------------------------------	--------------------------	-------------------------

NOTES AND INSTRUCTIONS:

1. Routine samples include:
 - a. Samples required pursuant to 22 CCR Section 64423 and any additional samples required by an approved routine sample siting plan established pursuant to 22 CCR Section 64422.
 - b. Extra samples are required for systems collecting less than five routine samples per month that had one or more total coliform positives in previous month.
 - c. Extra samples for systems with high source water turbidities that are using surface water or groundwater under direct influence of surface water and do not practice filtration in compliance with regulations.
2. Note: For a repeat sample following a total coliform positive sample, any fecal *E. coli* positive repeat (boxed entry) **constitutes an MCL violation and requires immediate notification to the Department** (22, CCR, Section 64426.1).
3. Note: For repeat sample following a fecal *E. coli* positive sample, any total coliform positive repeat (boxed entry) **constitutes an MCL violation and requires immediate notification to the Department** (22, CCR, Section 64426.1).
4. Total coliform MCL (Notify Department within 24 hours of MCL violation):
 - a. For systems collecting less than 40 samples, if two or more samples are total coliform positive, then the MCL is violated.
 - b. For systems collecting 40 or more samples, if more than 5.0 percent of samples collected are total coliform positive, then the MCL is violated.
5. Positive results and their associated repeat samples are to be tracked on the Coliform Monitoring Worksheet.
6. Repeat samples must be collected within 24 hours of being notified of the positive results. For systems collecting more than one routine sample per month, three repeat samples must be collected for each total coliform positive sample. For systems collecting one or fewer routine samples per month, four repeat samples must be collected for each total coliform positive sample.
7. For systems subject to the Groundwater Rule: Positive results and the associated triggered source samples are to be tracked on the Coliform Monitoring Worksheet.
8. For triggered sample(s) required as a result of a total coliform routine positive sample, an *E. coli*, enterococci, or coliphage positive triggered sample (boxed entry) **requires immediate notification to the Department, Tier 1 public notification, and corrective action.**

Geo-Monitor, Inc.



Client: Juniper Riviera County Water Dist.
25715 Santa Rosa Road
Apple Valley, CA 92308

Contact: Denise
Phone: (760) 247-9818
Fax:
System No: 3600222

Project:

Sampler: Greg Watkins
Date Sampled: September 11, 2014
Date/Time Setup: September 11, 2014 1530
Date/Time Read: September 12, 2014 0930
Date Reported: September 15, 2014

Results

Laboratory ID	Sample Time	Sample Location	Cl Res (mg/L)	Sample Type	SM 9223		SM 9215B
					Total Coliform	E. coli	HPC cfu / 1 mL
B286	14:31	OSHB - 26029 Ocotillo Way	0.12	1-D	Absent		
B287	14:21	OSHB - 26175 Rancho St.	0.10	1-D	Absent		
B288	14:13	OSHB - 25780 Horizon St.	0.10	1-D	Present (1)	Absent	
B289	14:05	OSHB - 26080 Round Up Way	0.14	1-D	Present (1)	Absent	
B290	13:56	OSHB - 25715 Santa Rosa Rd.	0.68	1-D	Absent		

(1) Notified Denise 9-12-14 @ 10:30

RECEIVED

OCT 31 2014

Drinking Water Program
San Bernardino District

Sample Types

1 = routine
2 = repeat
3 = replacement
4 = special
W = well
D = distribution

Director: 

Attachment No. 2

Tier 2 Public Notice Template

Instructions for Tier 2 Resolved Total Coliform Notice Template

Template Attached

Since exceeding the total coliform bacteria maximum contaminant level is a Tier 2 violation, you must provide public notice to persons served as soon as practical but within 30 days after you learn of the violation [California Code of Regulations, Title 22, Chapter 15, Section 64463.4(b)]. **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 [64463.4(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 [64463.4(c)(2)]	Posting in conspicuous locations throughout the area served by the water system ^(b)	Publication in a local newspaper or newsletter distributed to customers
		Email message to employees or students
		Posting ^(b) on the Internet or intranet
		Direct delivery to each customer

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

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

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

Multilingual Requirement

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.

Description of the Violation

Make sure that the notice is clear about the fact that the coliform problem has been resolved, and there is no current cause for concern. The description of the violation and the MCL vary depending on the number of samples you take. The following table should help you complete the second paragraph of the template.

<u>If You Take Fewer Than 40 Samples a Month</u>	<u>If You Take 40 or More Samples a Month</u>
State the number of samples testing positive for coliform. The standard is that no more than one sample per month may be positive.	State the percentage of samples testing positive for coliform. The standard is that no more than 5.0 percent of samples may test positive each month.

Corrective Action

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

- “We have increased sampling for coliform bacteria to catch the problem early if it recurs.”
- “The well and/or distribution system has been disinfected and additional samples do not show presence of coliform bacteria.”

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)].

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.

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

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

[System] Has Levels of Coliform Bacteria Above the Drinking Water Standard

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

We routinely monitor for drinking water contaminants. We took [number] samples to test for the presence of coliform bacteria during [month year]. [Number/percentage] of those samples showed the presence of total coliform bacteria. The standard is that no more than [1 sample per month/5.0 percent of samples] may do so.

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 system's 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, and further testing shows that this problem has been resolved.**
- People with severely compromised immune systems, infants, and some elderly may be at increased risk. These people should seek advice about drinking water from their health care providers. General guidelines on ways to lessen the risk of infection by microbes are available from U.S. EPA's Safe Drinking Water Hotline at 1(800) 426-4791.
- If you have other health issues concerning the consumption of this water, you may wish to consult your doctor.

What happened? What was 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 [system].

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

Attachment No. 3

Proof of Notification

Drinking Water Notification to Consumers

PROOF OF NOTIFICATION

Name of Water System: _____

Please explain what caused the problem if you have determined what it was and what steps you have taken to correct it. _____

Consumers Notified: _____ Yes _____ No

If not, Explain: _____

Date of Notification: _____

On the date of notification set forth above, I served the above referenced document(s) on the consumers by:

- _____ Sending a copy through the U.S. Mail, first class, postage prepaid, addressed to each of the resident(s) at the place where the property is situated, pursuant to the California Civil Code. Attach copy of Notice.
- _____ Newspaper (if the problem has been corrected). Attach a copy of Notice.
- _____ Personally hand-delivering a copy to each of the consumers. Attach a copy of Notice.
- _____ Posted on a public bulletin board, that will be seen by each of the consumers (for small, non-community water systems with prior Division approval). Attach copy of Notice.

I hereby declare the forgoing to be true and correct under penalty of perjury.

Dated: _____

Signature of Person Serving Notice

****Notice:** Complete this Proof of Notification and return it along with a copy of the notification to the Division within 10 days of receipt of giving public notice.

Disclosure: Be advised that the California Health and Safety Code states that any person who knowingly makes a 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 each separate violation for each day that violation continues. In addition, the violators may be prosecuted in criminal court and upon conviction, be punished by fine of not more than twenty-five thousand dollars (\$25,000) for each day of violation, or be imprisoned in county jail not to exceed one year or by both the fine and imprisonment.

Attachment No. 4

Bacteriological Sample Siting Plan Requirements

BACTERIOLOGICAL SAMPLE SITING PLAN REQUIREMENTS 2014

State Water Resource Control Board DIVISION OF DRINKING WATER

The following outlines the minimum requirements that should be included in any bacteriological sample siting plan (BSSP) submitted to the Division of Drinking Water, Field Operations Branch District Office for approval and acceptance. If you have questions about preparing an acceptable siting plan, please call your District Office.

GENERAL REQUIREMENTS

The BSSP must be representative of the water distribution system; it must describe sample rotation procedures; and it must include a statement about the training of the sample collector.

Sample Sites and Schedule – The routine and repeat sample sites must be identified and a schedule developed.

- a. Proposed number and location of routine sample sites. (See Table 64423A of Section 64423) to determine the number of routine samples required for your system.
- b. Proposed repeat (follow-up) sample sites which must be located within five service connections upstream and downstream of the routine sample site Section 64424(b).
- c. At least three repeat sample sites are required for each routine sample site Section 64424(a)(1).
- d. Address/location of each routine and repeat sample site. This must be shown on system map submitted
- e. Description of each sample site (e.g., exterior hosebib, gooseneck-type copper tube with pet cock).
- f. Sampling schedule for each routine sample site (e.g., weekly, every other week, monthly, quarterly, etc.) Rationale that demonstrates that the schedule is representative of the water delivered throughout the distribution system every month, using either fixed sample sites or a rotation among sample sites if there are more sites than the minimum required (Section 64422). It is not recommended that each routine sample site is not sampled less frequently than once every three months.

SYSTEM MAP

The system map can be a one-page engineering drawing of the distribution system and water system facilities or it can be a street map or system schematic.

The system map must identify/locate the following:

- a. All sources of water supply
- b. All treatment facilities
- c. All storage facilities