



CITY of NAPA

www.cityofnapa.org

February 25, 2016

Sheri Miller, P.E.
Mendocino District Engineer
State Water Resources Control Board
Division of Drinking Water
50 D Street, Suite 200
Santa Rosa, CA 95404

EDWARD I. BARWICK
JAMIESON CANYON WATER TREATMENT PLANT
PUBLIC WORKS DEPARTMENT
270 Kirkland Ranch Road
P.O. Box 660
Mailing Address:
P.O. Box 660
Napa, California 94559-0660
Phone: 707-253-0822
Fax: 707-253-1225
TTY: (707) 257-9506

RE: City of Napa, January 2016 Citation #: 02-03-15C002; Certification of Compliance for Public Notification(s) and OEL Completion

Dear Ms. Miller,

This letter confirms the City of Napa has completed the Public Notification for the January 2016 Citation #: 02-03-15C002 as specified in the Certification of Compliance Appendix 3 for 1072 Darms Lane. A copy of the updated Certification of Compliance is included for your reference.

Through January's sampling, we continued to experience excellent NBA source water quality as well as maintained our proactive distribution storage tank turnover. We are preparing to switch our source water to Lake Hennessey starting February 29th to accommodate the NBA shutdown. During Hennessey's operation, we will be assessing the effectiveness of the two DBP reduction projects completed by the City of Napa: the aerator/blower system installation in the Hennessey Finished Tank on August 21, 2015 and the "A" Tank aerator/blower system installation, located within the distribution system, completed on October 12, 2015.

In addition, we are currently performing unidirectional hydrant flushing that was suspended in previous years due to water system challenges following the earthquake. To verify flushing region effectiveness, we are performing additional water quality parameter testing throughout the duration of the hydrant flushing program.

We appreciate your review of the attached materials and if you have any questions or concerns, please call (707) 253-0822.

Respectfully submitted,



Erin Kebbas
Water Quality Manager

Attachments:

1. Certification of Compliance, Appendix 3
2. Copy of Public Notification as Mailed via USPS
3. Screen Shot of City of Napa Webpage Link for Public Notification for Residents

Cc (via email): Joy Eldredge, Water General Manager
Bob Janowski, Water Treatment Manager
Amy Little, SWRCB Associate Sanitary Engineer

CERTIFICATION OF COMPLIANCE

Citation Number 02-03-15C002

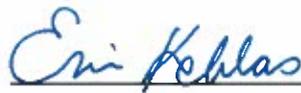
Name of Water System: City of Napa

System Number: 2810003

Certification

As required by Section 64463.4 of the California Code of Regulations, I certify that the identified users of the water supplied by the **City of Napa** were notified of the violations of Title 22, California Code of Regulations (CCR) for the compliance period ending in the 1st Quarter 2015. In addition, I certify that the City of Napa has complied with the directives of this citation as indicated below:

Required Action	Date Completed
Public Notification – Mail or Hand Delivery by 03/31/2016*	02-18-16
Public Notification – Newspaper or Internet by 03/31/2016*	02-17-16



 Signature of Water System Representative

02-22-16
 Date

**Attach a copy of the notice delivered to customers and a copy of the notice published in the newspaper or internet.*

**THIS FORM MUST BE COMPLETED AND RETURNED TO THE DEPARTMENT BY
 April 10, 2016**

Disclosure: Be advised that Section 116725 and 116730 of the California Health and Safety Code states 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 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 a fine of not more than \$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.

02-03-15C002



CITY of NAPA

**IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER
in accordance with the Drinking Water Disinfection Byproduct Rule –
Stage II**

Este informe contiene información muy importante sobre su agua potable.
Para información en español sobre este artículo, por favor llame al 707-258-7899 y oprima
extensión #7743 en cuanto escuche la grabación

**City of Napa Has Detected Levels of Disinfection Byproducts
Above Drinking Water Standards**

Our recent round of quarterly disinfection byproduct compliance sampling in your area took place in January 2016. Although the recent data shows 56.1 *ug/L* the annual average of trihalomethanes remains at 84.78 *ug/L* which is above the target level of 80 *ug/L*, and the regulation requires us to notify you of this information. As our customers, we want you to know what happened, what you should do, and what we are doing to correct this situation.

What happened?

To protect drinking water from disease-causing organisms, or pathogens, chlorine is added to drinking water as a disinfectant. However, disinfection byproducts can form when organic-rich water is disinfected. A major challenge for the City of Napa and all municipal water systems is how to control and limit risks from pathogens and simultaneously minimize disinfection byproduct formation. Disinfection byproducts form when naturally-occurring organic matter that is present in our surface water supplies reacts with chlorine in the water system. In northern California, winter rains wash leaves and debris into the creeks and streams that make up our surface water supplies. During winter rains the levels of organic matter are highest, especially after extended drought periods when the matter has accumulated in the watersheds over a longer period of time.

We routinely monitor for the presence of drinking water contaminants throughout the entire water system. As of October 2012, the standard that applies to the City of Napa's system for disinfection byproducts changed significantly. The maximum limit for the annual average of trihalomethanes at each location is 80 micrograms per liter (*ug/L*).

What should I do?

No specific corrective actions are needed. You do not need to boil your water. However, if you have specific health concerns, consult your doctor.



CITY of NAPA

What does this mean?

This is not an emergency. If it had been, we would have notified you immediately. The scientific study that is the basis for this regulation cannot disprove that some people who drink 2 liters (more than a half-gallon) of water every day containing disinfection byproducts in excess of the maximum limit over a 70-year period may experience liver, kidney, or central nervous system problems, and may have an increased risk of getting cancer. These diseases, however, are not caused solely by chemicals in drinking water, but result from many other factors. Scientists continue to study disinfection byproducts to better understand potential health effects.

What is being done?

We continually work to protect the watersheds and our source water quality with the goal of minimizing organic content in the water. We are working to reduce the detention time in the water system before it reaches your tap so that there is less time for the byproducts to form. This is more challenging during drought years since people are using less water due to the state mandate. Meanwhile it is important that we have ample water stored in our tanks to provide water for emergency fire-flow purposes or to maintain water supply in case a major pipeline needs to be repaired. We have modified our system operations to make sure that all tank levels are drawn down and refilled every day to insure the water does not age. We have also installed mixers in our tanks to keep the water moving.

In the short term we have installed aerators in several of our tanks to help volatilize disinfection byproducts out of the water. In 2015 we installed one aerator in the Hennessey finished water tank and another in our Alston "A" Tank located in the northwest area of the City. In 2016 we will reduce the size of the existing 8-inch water main that feeds less than 10 services in your area thereby reducing water detention time in the pipe and potential for formation of disinfection byproducts.

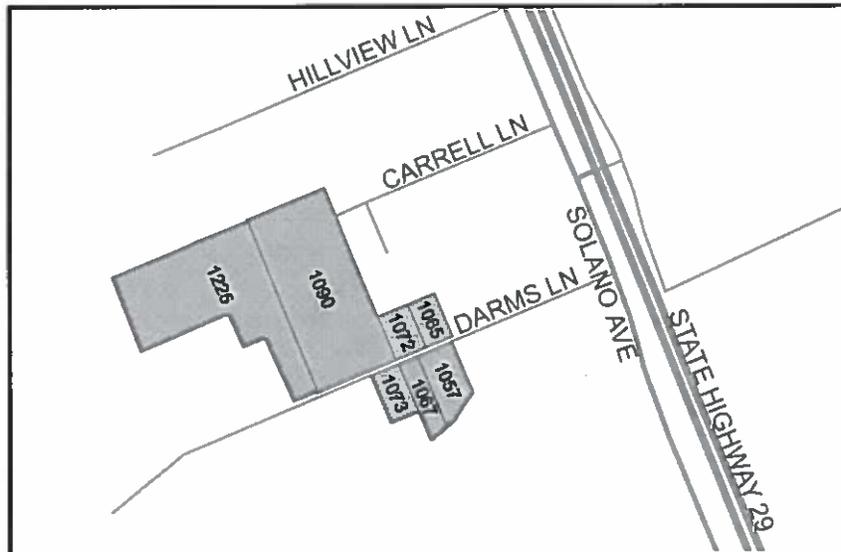
In the long term we are working to develop sufficient funds to upgrade our water treatment process which may include granular activated carbon (GAC) however it is very costly upfront and has high ongoing costs (over a million dollars per year) for regeneration of the media. Our current water rates cannot support that cost and we will continue to explore all options to reduce trihalomethanes and carefully weigh the costs and benefits. We will continue to inform you on a quarterly basis if the problem persists.

For more information, please call (707) 253-0822 and ask to speak with Erin Kebbas Water Quality Manager for the City of Napa. The mailing address is PO Box 660, Napa, CA 94559-0660 or visit www.cityofnapa.org/water for more information and FAQs.

This notice is being sent to you by the City of Napa.

State Water System ID#: 2810003

Date distributed: February 17, 2016



Potentially Affected Area

Secondary Notification Requirements

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.



Home Water Quality Information

Water Quality Information

SPECIAL NOTICE: All locations within the City of Napa are meeting the regulatory standard for Disinfection Byproducts in Drinking Water. The particular byproducts at issue are Trihalomethanes (THMs). If you have received a special notice in the mail regarding the presence of THMs caused by the reaction of chlorine with organic matter in potable water, the Water Division is pleased to report that the running annual averages for all sites within City Limits are below the new regulatory threshold of 80 parts per billion (ppb).

One area outside City limits located upvalley and feeding six properties at the end of Darms Lane will continue to receive a quarterly notification based on the January monitoring data. A construction project is being designed to reduce the size of pipe, increase the speed of water flowing to these customers, and reduce the formation potential of these disinfection byproducts.

This issue has led to inquiries to the Water Division for more information. Water Division staff have spoken at length with many customers about the complex nature of the new water quality regulation (called DPCR II, or Stage II of the Disinfection Byproduct Rule), the presence of THMs, the causes of THMs, and steps the Water Division has been taking to prevent their formation, as well as future plans for prevention of THM formation. No specific corrective actions are needed by customers. There is NO NEED TO BOIL WATER.

The Water Division held a public meeting on May 6, 2015, to discuss water system operations and preventative measures and answer questions. Dr. Bruce MacIver, a drinking water toxicology specialist from EPA Region IX, was on hand along with City staff. Click to view a recording of this meeting.

[FAQs](#) notifications and other correspondence

[FAQs](#)

[State Water Resources Control Board Original Citation February 27, 2015](#)

[City of Napa Response to Original Citation April 10, 2015](#)

[City of Napa Response to July 2015 Citation September 8, 2015](#)

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