



PO Box 4100
Frisco, CO 80443

July 31, 2014

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Tests Showed Coliform Bacteria in the Water for the Town of Frisco

Town of Frisco Water Customer(s):

The Town of Frisco routinely monitors for the presence of drinking water contaminants. During routine monthly sampling in May 2014, 5 water samples were collected to test for coliform bacteria. One (1) of those samples showed the presence of coliform bacteria. The standard is that no more than 1 sample per month or 5 percent of our samples may do so.

What does this mean? What should I do?

- ✓ 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. Subsequent independent testing did not find the presence of more bacteria of greater concern, such as fecal coliform or *E. coli*.
- ✓ You do not need to boil your water or take other corrective actions. Subsequent tests after system flushing indicated no presence of coliform bacteria. However, if you have specific health concerns, consult your doctor.
- ✓ 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.

What happened?

In routine water quality sampling for coliform bacteria, test results received on May 23, 2014, indicated one (1) sample tested positive for coliform bacteria. On May 23, 2014, three (3) repeat samples were taken immediately with one sample testing positive for coliform bacteria.

What was done?

On May 25, 2014, the Frisco Water Department performed directional flushing of the water distribution system in the area. After the distribution system flushing, five (5) samples were taken and tested. The results were negative for coliform bacteria, meaning there was no presence of contaminants. The Frisco Water Department continues to sample system-wide for coliform bacteria per Colorado Department of Public Health and Environment requirements and no further tests have indicated the presence of coliform. In June and July, the Frisco Water Department took ten (10) samples and all the samples tested negative (no presence) for coliform.

This is not an emergency. If it had been you would have been notified immediately.

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. The independent testing laboratory did **not** find any *E. Coli* or any fecal bacteria in the initial routine testing or in our subsequent testing. If we had, we would have notified you immediately.

This is to inform you that no coliform bacteria are present. We resolved the problem within two (2) days of notification of the positive sample.

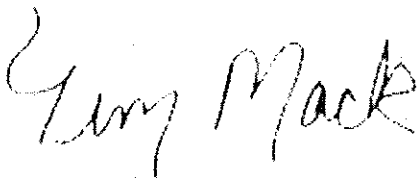
Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in rental units, healthcare facilities, apartments, schools and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

This notice is being sent to you by the Town of Frisco Water Department/Colorado Public Water System ID#: CO0159055/Date distributed: July 31, 2014

For more information, please contact Teresa Toczek with the Town of Frisco Public Works Department at 970.668.9153, at TeresaT@townoffrisco.com or at P.O. Box 4100, Frisco, CO 80443.

We are also attaching a fact sheet regarding coliform so that our customers may have even more comprehensive information about coliform testing. Please know that the safety and quality of our water remains our highest concern and priority.

Regards,



Tim Mack
Town of Frisco Public Works Director

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Fact Sheet – Coliform Bacteria and Drinking Water

Public water systems are required to deliver safe and reliable drinking water to their customers 24 hours a day, 365 days a year. If the water supply becomes contaminated, consumers can become seriously ill. Fortunately, many steps are taken to ensure that the public is provided with safe drinking water. One of the most important steps is to have the water tested for coliform bacteria to confirm that all of the other steps are working properly. Public water systems must test for coliform bacteria regularly.

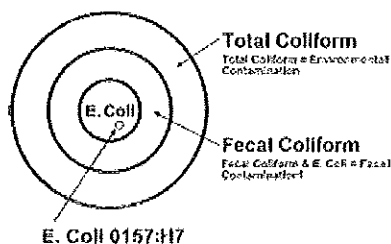
What are coliform bacteria?

Coliform bacteria are organisms that are, by themselves, present in the environment and in the feces of all warm-blooded animals and humans. Coliform bacteria will not likely cause illness. However, the presence of coliform bacteria in drinking water indicates that disease-causing organisms (pathogens) may be present in the water system. Most pathogens that can contaminate water supplies come from the feces of humans or animals. Testing drinking water for all possible pathogens is complex, time-consuming and expensive. It is relatively easy and inexpensive to test for coliform bacteria. If coliform bacteria are found in a water sample, steps are taken to find the source of contamination and restore safe drinking water. There are three different groups of coliform bacteria (total coliform, fecal coliform and *E. coli*); each has a different level of risk.

Total coliform, fecal coliform, and *E. coli*

The total coliform group is a large collection of different kinds of bacteria. The fecal coliform group is a sub-group of total coliform and has fewer kinds of bacteria. *E. coli* is a sub-group of fecal coliform. (See the diagram below.) When a water sample is sent to a lab, it is tested for total coliform. If total coliform is present, the sample will also be tested for *either* fecal coliform or *E. coli*, depending on the lab testing method.

TOTAL COLIFORM, FECAL COLIFORM AND *E. COLI*



Total coliform bacteria are commonly found in the environment (e.g. soil or vegetation) and are generally harmless. If only total coliform bacteria are detected in drinking water, the source is most likely environmental. Fecal contamination is not likely. However, if environmental contamination can enter the system, there may be a way for pathogens to enter the system too. Therefore, it is important to determine the source and to resolve the problem.

Fecal coliform bacteria are a sub-group of the total coliform group. They appear in great quantities in the intestines and feces of people and animals. The presence of fecal coliform in a drinking water sample often indicates recent fecal contamination – meaning that there is a greater risk that pathogens are present.

E. coli is a sub-group of the fecal coliform group. Most *E. coli* are harmless and are found in great quantities in the intestines of people and warm-blooded animals. Some strains, however, may cause illness. The presence of *E. coli* in a drinking water sample almost always indicates recent fecal contamination – meaning that there is an even greater risk that pathogens are present.

A Note about *E. coli*: *E. coli* outbreaks receive much media coverage. Most outbreaks have been related to food contamination, caused by a specific strain of *E. coli* known as ***E. coli* O157:H7**. When a drinking water sample is reported as “*E. coli* present”, it does not mean that this specific strain is present. It is probably not present. However, the sample result does indicate some level of recent fecal contamination. Boiling or treating contaminated drinking water with disinfectant destroys all forms of *E. coli* including O157:H7.

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

What happens if coliform bacteria are found in my water?

When coliform bacteria are found, steps are taken to identify where the contamination may have entered the water system. More "repeat" samples are collected and an inspection is recommended. Taking repeat samples helps determine whether an actual ongoing problem exists in the system. Sometimes a sample shows the presence of coliform because of poor sampling techniques or because a contaminated faucet was used – not because an actual problem exists. If any of the repeat samples detect coliform bacteria, the initial findings are considered confirmed.

What happens if total coliform bacteria are confirmed in my water?

If total coliform bacteria are confirmed in your drinking water, a system inspection should be conducted to find and eliminate any possible sources of contamination. Once the source is identified, it can usually be eliminated by making system repairs, flushing, and/or "shock" chlorinating the system (adding chlorine for a short period of time.) The Colorado Department of Public Health and Environment (Department) is usually in contact with water systems and utility managers to help address the problem. Your water system or utility is required to notify you within 30 days about the situation. The department recommends that notice be distributed as soon as possible. The notice will inform you of actions being taken to correct the problem, when the problem will likely be resolved and will advise you of any actions that you may need or want to take until then.

What happens if fecal coliform bacteria or *E. coli* are confirmed in my water?

Confirmation of fecal coliform bacteria or *E. coli* in a water system indicates recent fecal contamination, which may pose an immediate health risk to anyone consuming the water. Responding to health emergencies is the department's highest priority. The Department will coordinate with water system officials to develop response actions and determine the need for the Department to participate in an inspection of the system to assist the water system in resolving the problem. More sampling will be conducted to find and eliminate potential contamination sources, and shock chlorination and flushing of the system will most likely occur. A "Public Notice" will be issued within 24 hours to alert all water users that there is a health risk associated with the water supply. In cases where the cause of the contamination has not been identified and eliminated, the use of boiled or bottled water will be recommended for drinking and cooking. The notice will inform you of actions being done to correct the problem and when the problem will likely be resolved. The Public Notice will remain in effect until the situation is resolved and the water is considered safe to drink.

For more Information:

Denver Regional Office	303-692-3500
Grand Junction Regional Office	970-248-7150
Pueblo Regional Office	719-545-4650