



**COLORADO**  
Department of Public  
Health & Environment

Dedicated to protecting and improving the health and environment of the people of Colorado

September 9, 2014

Don Scotty  
PO Box 1653  
Frisco, CO  
80443

**BOIL WATER ADVISORY  
TIER 1 PUBLIC NOTIFICATION REQUIREMENT  
Alpensee Water District, PWSID# CO0159119  
Summit County**

Dear Mr. Scotty:

This letter serves as formal notification to the Alpensee Water District (the "System") by the Colorado Department of Public Health and Environment-Water Quality Control Division (the "Department") of the requirement to issue a "Boil Water Advisory" to all users of the public water system. This "Boil Water Advisory" is required as a measure to protect public health due to a malfunction that caused a back-up of the water storage tank into the pump room possibly causing contamination of the drinking water. The System alerted all users to boil the water on September 8, 2014.

Section 11.33 of Regulation 11: *Colorado Primary Drinking Water Regulations* 5 CCR 1002-11 (Regulation 11) requires that public notice be delivered to the System's water users as soon as practical and within twenty-four (24) hours of receipt of this letter.

To assist you in fulfilling the public notification requirements, enclosed are copies of the Tier 1 Public Notice Instructions, which includes the "Ten Required Elements of a Public Notice", the Public Notification Template, and the Drinking Water Public Notification "Certificate of Delivery" Form. Please fill in the blanks of the template with language to reflect your specific situation. Additionally, public water systems are required to submit a certification of delivery following any type of public notification to verify that the public was notified in accordance with Regulation 11. The "Tier 1 Public Notice" must be reissued every two weeks until the Department has determined the system is operating properly and providing safe drinking water to the public and has provided the system with written correspondence rescinding the advisory.

In order to properly address the Boil Water Advisory, the officials responsible for managing this public water system must:

- Correct the underlying problem and verify that pressure has been restored to the System.
- Consult with the Department on any additional measures that may be necessary to ensure public health protection as a result of the malfunction.



- Flush the distribution system in consultation with the Department.
- Obtain three (3) water samples from the distribution system and have them analyzed for the presence of total coliform.

Upon completion of the above actions, the System must provide the Department with a written description of the following activities:

- What the problem was and the actions taken to correct the underlying problem.
- Actions and procedures to flush the distribution system, to include:
  - Sampling performed and date/time of sampling.
  - Disinfection residual levels.

In addition, the System must provide the Department with copies of the following:

- "Certificate of Delivery" Form along with a copy of the Public Notice sent to each customer.
- All laboratory and field monitoring results.

Please be advised, in the interest of protecting public health, the "Boil Water Advisory" will not be rescinded until the System has successfully completed the actions described above and received written notice (fax or email) authorizing the rescind of the advisory.

If you have any further questions, please contact me at 303-692-3605 or via email at [David.Dani@state.co.us](mailto:David.Dani@state.co.us).

Sincerely,

David Dani  
Local Assistance Unit  
Water Quality Control Division

cc: Drinking Water File CO0159119

ec: Martha Rudolph, Environmental Programs Director, CDPHE  
 Mark Salley, Communications Office, CDPHE  
 Karin McGowan, Legislative Office, CDPHE  
 Ron Falco, Safe Drinking Water Program Manager and acting Water Quality Control Division Director, CDPHE  
 Meghan Trubee, Communications, WQCD-CDPHE  
 Tyson Ingels, Engineering Section, WQCD-CDPHE  
 Jennifer Robinett, Compliance Section Manager, WQCD-CDPHE  
 Nicole Graziano, Safe Drinking Water Compliance Assurance, WQCD-CDPHE  
 Margaret Talbott, Safe Drinking Water Compliance Assurance, WQCD-CDPHE  
 Bret Icenogle, Engineering Section Manager, WQCD-CDPHE  
 Greg Naugle, Field Services Section Manager, WQCD-CDPHE  
 Kelly Jacques, Field Services Section, WQCD-CDPHE  
 Heather Drissel, Field Services Section, WQCD-CDPHE  
 Cathy Heald, Field Services Section, WQCD-CDPHE  
 Armando Herald, Local Assistance Unit, WQCD-CDPHE  
 Lyle Moore, Director, Office of Emergency Preparedness and Response, CDPHE



Greg Stasinis, Office of Emergency Preparedness and Response, CDPHE  
Alicia Cronquist, Division of Epidemiology, CDPHE  
Therese Pilonetti, Environmental Health and Sustainability, CDPHE  
Amy Schultz, Compliance Assurance, WQCD-CDPHE  
Dan Hendershott, Summit County Environmental Health Department, [danh@co.summit.co.us](mailto:danh@co.summit.co.us)  
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Scott Meyer, Alpengsee Water District operator, [aaa\\_admin@aaaoperations.com](mailto:aaa_admin@aaaoperations.com)



# Tier 1 Public Notice Instructions

## Delivery Requirements

Violations and other situations that require Tier 1 public notice have significant potential to have serious adverse effects on human health as a result of short-term exposure. Therefore, the water system must provide public notice to persons served as soon as practical but within 24 hours after learning of the violation or situation. The water system must issue a repeat notice at a frequency determined by the Water Quality Control Division for as long as the violation or situation persists. ***Public water systems that provide water to other water systems must deliver public notices to the owners or operators of all receiving water systems (consecutive water systems) (11.33(6)(a)(i)).***

Water systems must use at least one of the following delivery methods:

- ✓ Appropriate broadcast media, including radio, television and a phone call to each customer using a reverse 911 system, where available;
- ✓ Hand delivery of the notice to persons served by the water system; or
- ✓ Another direct delivery method approved in writing by the department.

In addition, both community and non-community systems must use another method reasonably calculated to reach others if they would not be reached by the first method. Such methods could include emergency reverse 911 system phone calls, television, radio, newspapers, e-mail, or delivery to community organizations. If you post the notice, it must remain posted until the violation or situation is resolved, but no less than seven days.

## Ten Required Elements of a Public Notice (11.33(5)(a))

1. Description of the violation or situation including contaminant(s) of concern and (as applicable) the contaminant level(s).
2. When the violation or situation occurred.
3. Any potential adverse health effects from the violation or situation, including any standard language provided in the rule. The health effects language may not be modified.
4. The population at risk; including subpopulations particularly vulnerable if exposed to the contaminant in their drinking water.
5. Whether alternate water supplies should be used.
6. What actions consumers should take, including when to seek medical help, if known.
7. What the system is doing to correct the violation or situation (corrective action).
8. When the system expects to return to compliance or resolve the situation.
9. Contact information: name, business address, and phone number of the water system owner or the owner's legal representative of the PWS that can provide additional information.
10. A statement encouraging notice recipients to distribute the notice to other persons served using the following standard language from the rule. This statement may not be modified: "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 public places or by distributing copies by hand."

## Corrective Actions

In the notice, describe corrective actions the water system is taking. Use one or more of the following actions, if appropriate, or develop your own:

- ✓ We are sampling throughout the distribution system for the presence of [contaminant]
- ✓ We are monitoring chlorine levels and will adjust them as needed
- ✓ We have isolated the break and are working to correct the problem.

## After Issuing the Notice

Make sure to send WQCD copies of all public notice(s) and a Tier 1 Certificate of Delivery Form within ten days after issuing the notice.

## Recommendations:

Although not required, it is recommended that the water system issue a "Problem Corrected" public notice once the violation or situation has been resolved. It is also recommended that the water system notify health professionals in the area of the potential health risks. 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. In addition, health professionals, including dentists, use tap water during their procedures and need to know of potential problems so they can use bottled water.



**DRINKING WATER WARNING**  
Alpensee Water District (PWSID CO0159119)

**BOIL YOUR WATER BEFORE USING**  
Hiervan el Agua Antes de Usarla

Our drinking water system had a malfunction that caused a back-up of the water storage tank into the pump room possibly causing contamination of the drinking water.

**What does this mean? What should I do?**

- ✓ **DO NOT DRINK THE WATER WITHOUT BOILING IT FIRST.** Bring all water to a boil, let it boil for three minutes, and let it cool before using or use bottled water. Boiled or bottled water should be used for drinking, making ice, washing dishes, brushing teeth, and food preparation until further notice.
- ✓ While no contamination has been detected, the system malfunction may have allowed disease-causing organisms to enter the water system. These organisms include bacteria, viruses, and parasites, which can cause symptoms such as nausea, cramps, diarrhea, and associated headaches. The symptoms above are not caused only by organisms in drinking water. If you experience any of these symptoms and they persist, you may want to seek medical advice.
- ✓ 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.

**What happened? What is being done?**

(Describe corrective action)

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We anticipate resolving the problem within (estimated time frame) \_\_\_\_\_. For more information, please contact (name of contact) \_\_\_\_\_ at (phone number) \_\_\_\_\_ or (mailing address) \_\_\_\_\_. General guidelines on ways to lessen the risk of infection by microbes are available from the EPA Safe Drinking Water Hotline at 1(800) 426-4791.

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.

This notice is being sent to you by Alpensee Water District  
Colorado Public Water System ID#: CO0159119  
Date distributed: \_\_\_\_\_



Colorado Department  
of Public Health  
and Environment

# Tier 1 Drinking Water Public Notification Certificate of Delivery Form

Alpensee Water District  
PWSID CO0159119

Reason for Notice: Boil Water Advisory  
Date of Public Notice Requirement Letter: September 10, 2014

I hereby affirm that Public Notification for the violation or situation identified above has been provided to consumers and any consecutive water systems in accordance with the delivery, content, and format requirements of the *Colorado Primary Drinking Water Regulations*, Section 11.33. I affirm that future requirements for notifying new billing units will be met. I also understand that this notice may need to be repeated in accordance with Section 11.33 and I must submit this form again with each repeated notice.

The system consulted with: David Dani at CDPHE-WQCD Date: September 8, 2014

**Public Notice Distributed on:** (date) \_\_\_\_\_

**Check all distribution methods used to reach all consumers:**

- Direct delivery method (hand delivery) – required for community water systems – for Subdivision
- Continuously posted: (list locations) \_\_\_\_\_
- Television, Radio, and/or Newspaper: \_\_\_\_\_
- Emergency-911 system message
- Delivery of multiple copies to hospitals, apartment buildings, schools, or other community centers
- E-mail
- Other method approved by CDPHE:\_\_\_

**List all consecutive water systems (water systems that purchase water from your system) that notice was delivered to:**

\_\_\_\_\_

\_\_\_\_\_  
Signature of owner or owner's legal representative

\_\_\_\_\_  
Date Signed

\_\_\_\_\_  
Printed name of owner or owner's legal representative

Phone number: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

**Attach copies of each public notice and send to:**

CDPHE-WQCD  
ATTN: CAME-Public Notification  
4300 Cherry Creek Drive South  
Denver, CO 80246-1530

OR

Fax to: (303) 758-1398

# Drinking Water System

## *Generic Flushing and Sanitization Procedure*

The flushing and sanitizing of a drinking water system begins at the treatment plant and proceeds systematically outward to all ends of the distribution system. Proper flushing, sanitation, and bacteriological testing are required prior to lifting a boil-water advisory.

1. The first step is to increase the disinfectant (chlorine) level leaving the properly operating treatment plant, and entering the distribution system, to between 3 and 4 mg/l (free chlorine).
2. The next step is to systematically begin flushing from the entry point of the distribution system outwards to all ends of the distribution system. Adequate flushing can be easily verified by measuring for the increased disinfectant residual at each flushing point.
3. After flushing, the disinfectant (chlorine) residual level is returned to the normal operating range and the system is once again flushed until the disinfectant (chlorine) level at the system's furthest tap is within the normal operating range, generally greater than 0.2 mg/l but less than 2.0 mg/l free chlorine.
4. Once the quality of finished water has stabilized throughout the distribution system, microbiological samples (Standard Coliform Test) must be collected at representative locations, (minimum of 3 to 10 sample points), in the distribution system, including all ends of the system. Disinfectant (chlorine) levels in the sampled water must also be measured at the same time the microbiological samples are collected.
5. If the above microbiological monitoring results indicate unsafe conditions (total coliform – positive, on any single sample) the above procedure must be re-implemented until the microbiological monitoring results indicate safe conditions, (total coliform – negative, on all sample locations).
6. Submit results in a written document summarizing all activities undertaken to fix the treatment problem, flush and sanitize the distribution system, and results of all laboratory and field-testing.