

STATE OF COLORADO

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

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RECEIVED

MAY 30 2009

Colorado Department
of Public Health
and Environment

May 27, 2009

Meadow Mountain WS
PWSID# CO0207504
Rachel Barkworth
P.O. Box 354
Allenspark, CO 80510

Re: Turbidity Treatment Technique Violation

Dear Ms. Barkworth:

The Meadow Mountain WS (the "System") April 2009 Monthly Operational Report (MOR) was received and reviewed for compliance with the *Colorado Primary Drinking Water Regulations* (the "Regulations") by the Water Quality Control Division (the "Division").

The MOR data indicated that the turbidity level of the representative samples of the System's finished water was less than 1.0 NTU in eighty-three (83) percent of the samples analyzed during April. The finished water turbidity must be less than 1.0 NTU in at least ninety-five (95) percent of the samples analyzed each month. Based on these results, the System is in violation of the Regulations.

This violation of the Regulations requires the System to provide a tier 2 public notification within thirty (30) days to the persons served by the water System. In addition, within ten (10) calendar days of completing the public notification requirement, the System must submit the enclosed Public Notification Certificate of Delivery form accompanied by a copy of the public notice, distributed to the customers, to the Division indicating that the System has fully complied with the public notification requirements.

If you have questions related to this violation please contact me at 303-692-3519 or at serenity.valdez@state.co.us.

Sincerely,

Serenity Valdez
Drinking Water Rule Manager
Water Quality Control Division

cc: DW File

cc: Dennis Pontius, ES-WQCD
Jorge Delgado, ES-WQCD

Tier 2 Public Notice Instructions

Delivery Requirements

Tier 2 public notices are required for violations and situations that can have potential serious adverse effects on human health. Water systems must provide public notice to persons served as soon as practical but within 30 days after learning of the violation. The water system must issue a repeat notice every three months 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) (9.2.1(c)).**

Community systems must use at least one of the following delivery methods (9.2.3(c)(1)):

- ✓ Hand delivery or other direct delivery method
- ✓ Mail (can be included with the bill)

Non-community systems must use at least one of the following delivery methods (9.2.3(c)(2)):

- ✓ Posting in conspicuous locations
- ✓ Mail, hand delivery, or other direct delivery method to each user (where known)

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 newspapers, e-mail, or delivery to community organizations. If you post the notice, it must remain posted until the violation is resolved, but no less than seven days.

Ten Required Elements of a Public Notice (9.2.5)

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 took or is taking. Listed below are some steps commonly taken by water systems with MCL violations. Choose the appropriate language, or develop your own:

- ✓ We are working with [local/state agency] to evaluate the water supply and researching options to correct the problem. These options may include treating the water to remove [contaminant] or connecting to [system]'s water supply.
- ✓ We have stopped using the contaminated well. We have increased pumping from other wells, and we are investigating drilling a new well.
- ✓ We will increase the frequency at which we test the water for [contaminant].
- ✓ We have since taken samples at this location and had them tested. They show that we meet the standards.

After Issuing the Notice

Make sure to send WQCD copies of all public notice(s) and a Tier 2 Certificate of Delivery Form within ten days after issuing the notice.

MAY 30 2009

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

(System Name) _____
Does/Did Not Meet Treatment Requirements

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

We routinely monitor your water for turbidity (cloudiness). This tells us whether we are effectively filtering the water supply. Water samples for (month) _____ showed that (percentage) _____ percent of turbidity measurements were over 1 turbidity units. The standard is that no more than 5 percent of samples may exceed 1 turbidity units per month. Normal turbidity levels at our plant are (number) _____ units.

What does this mean? What should I do?

- ✓ **You do not need to boil your water or take other actions.** We do not know of any contamination, and none of our testing has shown disease-causing organisms in the drinking water.
- ✓ 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.
- ✓ Inadequately treated water may contain disease-causing organisms. These organisms include bacteria, viruses, and parasites which can cause symptoms such as nausea, cramps, diarrhea, and associated headaches. These symptoms, however, 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.
- ✓ Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease causing organisms. These organisms include bacteria, viruses, and parasites which can cause symptoms such as nausea, cramps, diarrhea, and associated headaches. These symptoms 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.

What happened? What was done?

A problem occurred with the treatment system at the water plant.

(Describe the reason for high turbidity and corrective action)

We anticipate resolving the problem within (estimated time frame) _____. 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 notice in a public place or distributing copies by hand or mail.

This notice is being sent to you by (system name) _____.
 Colorado Public Water System ID #: _____ Date distributed: _____

MAY 30 2009



Colorado Department
of Public Health
and Environment

Tier 2
Drinking Water Public Notification
Certificate of Delivery Form

System Name: _____

PWSID CO0 _____

Reason for Notice: (description of violation or situation) _____

Date of Violation Letter: _____

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 9.2. 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 9.2 and I must submit this form again with each repeated notice.

Public Notice Distributed on: (date) _____

Check all distribution methods used to reach all consumers:

- ☐ Direct delivery method (includes hand delivery and U.S. mail) – required for community water systems
- ☐ Continuously posted: (list locations) _____
- ☐ Television, Radio, and/or Newspaper: _____
- ☐ 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: CADM-Public Notification

4300 Cherry Creek Drive South

Denver, CO 80246-1530

Or Fax to: (303) 758-1398