



United States Department of the Interior

NATIONAL PARK SERVICE
GRAND CANYON NATIONAL PARK
PO BOX 129
GRAND CANYON, ARIZONA 86023-0129



IN REPLY REFER TO:

ADVISORY

Cottonwood & Roaring Springs

DRINKING WATER NOTICE

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

South Rim, Phantom Ranch, Desert View, Indian Garden and North Rim Water is SAFE for consumption.

**Public Works System ID # AZ 04-03702,
One Sample at Roaring Springs Cave Tested Positive for Fecal Contamination
Retesting Underway**

BOIL YOUR WATER BEFORE USING

Message Update Saturday, November 1

Aviso: No tome el agua sin antes hervirla

Este informe contiene información importante acerca de su agua potable. Haga que alguien lo traduzca para usted, o hable con alguien que lo entienda.

A sample of Grand Canyon National Park's source water, the Roaring Springs Cave, detected fecal indicators (E. coli). On October 28, 2014, we learned that one of our routine samples collected on October 27, 2014 was total coliform positive. As required by EPA's Ground Water Rule, one of our follow-up steps was to collect repeat and three additional nearby samples from our water distribution system and to collect samples from our source water, Roaring Springs Cave. Although all repeat samples within the water distribution system were negative, the sample from the Roaring Springs Cave collected on October 28, 2014 tested positive for a fecal indicator (E. coli). We are now conducting additional sampling at the Roaring Springs Cave. Grand Canyon National Park collects routine water samples daily, above and beyond the monitoring required by EPA or the State of Arizona, an effort undertaken to improve confidence in our drinking water. Water from Roaring Springs Cave is treated in multiple water treatment plants before being distributed. The affected test sample was collected before the water was treated.

Inadequately treated or protected water may contain disease-causing organisms. Fecal indicators are microbes whose presence indicates that the water may be contaminated with human or animal wastes. Microbes in these wastes can cause short-term health effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. These symptoms are not only caused by organisms in drinking water. If you experience any of these symptoms and they persist, you may want to seek medical advice. Microbes may pose a special health risk for infants, young children, the elderly, and people with compromised immune systems.

What should I do?

DO NOT DRINK THE WATER WITHOUT BOILING IT FIRST. Bring all water to a rolling boil for one minute, and let it cool before using. Boiling kills bacteria and other organisms in the water. You may also use bottled water. Use boiled or bottled water for drinking, making ice, preparing food, brushing teeth, and washing dishes until further notice.

Also, if you have a compromised immune system, have an infant, or are elderly, you may be at increased risk and should seek advice about drinking water from your 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 (800) 426-4791. If you have specific health concerns, consult your doctor.

What is being done?

The Water Utility has been conducting extensive follow up testing since the positive coliform sample result on October 28, 2014. Though the source water at Roaring Spring Cave did have a detection of E. coli, all follow up sampling within the water distribution system that supplies drinking water to the Park residents and visitors have been absent for coliform.

In response to this situation, we sent notices to affected users within 36 hours of learning of this positive sample. We will continue to collect daily water samples from random sites throughout the park for analysis, as well as perform follow up monitoring at the Roaring Springs Cave and will be working with Arizona Department of Environmental Quality (ADEQ) to implement corrective actions to ensure our water supply is protected against contamination. We will keep you informed of the steps we are taking to protect your drinking water and will provide information on any steps you should be taking, until this problem is corrected.

When is the system expected to return to compliance?

We anticipate resolving this problem by November 1, 2014 with the results from the repeat sampling at Roaring Springs Cave. An All Clear Notice will be sent after receiving negative repeat results.

For more information, please call the Incident Information Line 928-638-7688.

Please share this information with 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.

Water System ID#: AZ 04-03702