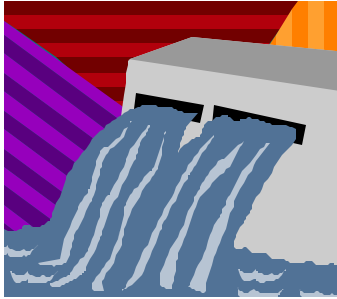


# Jericho fd #1 Water System water quality report



**Jericho FD #1 Water System**  
c/o Douglas Hall  
8 West View Drive  
Jericho, VT 05465  
(802) 899-2704

Meetings are held annually and announced by mail; committee meetings are announced via telephone.

## January – December 2003

The purpose of this report is to satisfy the EPA and DEC requirements for Consumer Confidence Reporting. Although some of the items may not be of interest to you personally, we feel that this is an important aspect of our overall commitment to supply you with the safest quality drinking water possible.

### Terms to Become Familiar With:

**Maximum Contaminate Level (MCL):** This is the highest allowable level of contaminant in drinking water. MCLs are set as close to MCLGs as feasible using the best available technology.

**Maximum Contaminate Level Goals (MCLGs):** These goals are set at levels that are below where there is no known health risk. MCLGs are considered a margin of safety.

**PPM:** Parts per million or mg/L.

**PPB:** Parts per billion.

**Pci/L:** A measure of radioactivity in water.

**Action Level:** The concentration of a contaminant, which, if exceeded, triggers treatment, or other requirements that a water system must follow.

**90<sup>th</sup> Percentile:** Ninety percent of the samples are below the action level. (Nine of ten sites' samples were at or below this level.)

**Health Information:** The EPA establishes regulations that limit the amount of certain contaminants to ensure the water we provide is safe.

All drinking water, including bottled water, may contain small amounts of some contaminants. The presence of contaminants does not always mean that the water poses a health risk. However, some people may be vulnerable to contaminants in drinking water than the general population.

Immuno-compromised persons such as those with cancer undergoing chemotherapy, those who have undergone organ transplants, those with HIV/AIDs or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers.

Contact EPA's Safe Drinking Water Hotline at 1-800-426-4791 for more information about contaminants and potential health effects.

Jericho FD #1 Water System is classified and permitted as a groundwater, non-purchased water system, operating under water system identification #5476.

Water is supplied for Jericho FD #1 Water System by a gravel well, Well #2.

## Simon Operation Services, Inc. Your Water Professionals

Simon Operation Services, Inc., is responsible for the operations of the system. SOS's staff includes the following certified operators: John Choate, Kevin Knapp, Mark Simon.

A Source Protection Plan (SPP) for the Jericho FD #1 Water System's water supply system has been submitted and was approved on October 30, 1994. A copy of the SPP is on file with the Jericho FD #1 Water System. Information on the vulnerability of the water supply to contamination (Possible Sources of Contamination) is found in the approved SPP. Improperly maintained septic systems and proximity to roadways may be possible sources of contamination.

SOS prepared this report. If you have any questions about Jericho FD #1 Water System's water quality, call 1-888-767-1885 or email us at SimonOp@aol.com.

**COMPLIANCE:** This report is a snapshot of the quality of water that we provided for the year 2003. It also includes the date and results of any contaminants that were detected within the past five years tested less than once a year. Any contaminants detected within the past five years are listed along with the date of detection and concentration.

<u>Contaminants</u>	<u>Level Detected</u>	<u>MCL</u>	<u>MCLG</u>	<u>Sample Date</u>
Arsenic	3.000 ppb	10.000	N/A	2/19/02
Bromodichloromethane	0.800 ppb	N/A	N/A	2/19/02
Chloroform	1.100 ppb	N/A	N/A	2/19/02
Copper	1.530 ppm	1.300	1.300	11/20/02
Iron	0.910 mg/L	0.300	N/A	2/19/02
Manganese	0.645 mg/L	0.050	N/A	2/19/02
Nitrate	0.048 ppm	10.000	10.000	1/17/01
Radium-226	0.200 pci/L	N/A	N/A	4/21/03
Total Coliform	Present		N/A	9/23/03

**Likely Source of Detected Contaminant**

Arsenic – erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.

Bromodichloromethane, Chloroform – produced as a by-product of chlorination.

Copper and Lead – corrosion of household plumbing systems; erosion of natural deposits.

Iron, Manganese – erosion of natural deposits. No adverse health effects but can cause staining of fixtures.

Nitrate – runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.

Radium-226 – erosion of natural deposits.

Total Coliform – naturally present in the environment.

**Violations that occurred during the year:**

During December 2003, there was a failure to properly monitor chlorine residuals.

**Sources of Drinking Water and Contaminants**

The sources of drinking water (both tap water and bottled water) include surface water (streams, lakes) and ground water (wells, springs). It also picks up substances resulting from human activity and from animals. Some “contaminants” may be harmful. Others, such as iron and sulfur, are not harmful. Public water systems treat water to remove contaminants if they are present.

In order to ensure that your water is safe to drink, we test it regularly according to regulations established by the U.S. Environmental Protection Agency and by the State of Vermont. These regulations limit the amount of various contaminants:

- ? *Microbial organisms* (viruses and bacteria) may come from sewage treatment facilities, septic systems, agricultural livestock operations, and wildlife.
- ? *Inorganic chemicals* (salts and metals) can be naturally occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, or farming.
- ? *Synthetic Organic chemicals* (pesticides and herbicides) may come from agriculture, urban storm water runoff, residential uses, and careless disposal of household chemicals.
- ? *Volatile Organic chemicals* (gasoline and solvents) may come from gas stations, urban storm water runoff, septic systems, industrial processes, and careless disposal of household chemicals.
- ? *Naturally occurring radioactivity*

**Lead and Copper Action Levels**

<u>Contaminant Detected</u>	<u>Action Level</u>	<u>90<sup>th</sup> Percentile</u>	<u>Sampling Date</u>	<u># of Sites that Exceeded the Action Level</u>	<u>Total # of Sites Sampled</u>
Copper	1.3 mg/L	0.69	2003	0	10
Lead	15 ppb	<3.000	2003	0	10