

2014 Annual Drinking Water Quality Report

Holley-Navarre Water System, Inc.

We are pleased to report that our drinking water meets all federal and state requirements

Holley-Navarre Water System, Inc. routinely monitors for contaminants in your drinking water according to Federal and State laws, rules, and regulations. Except where indicated otherwise, this report is based on the results of our monitoring for the period of January 1 to December 31, 2014. Data obtained before January 1, 2014, and presented in this report are from the most recent testing done in accordance with the laws, rules, and regulations. Our water source is ground water from 11 wells. Treatments required are orthophosphates for corrosion control, potassium permanganate for iron removal filtration, lime for pH adjustment, and chlorine for disinfection purposes. The wells draw from the Floridan and Sand and Gravel Aquifers.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Holley-Navarre Water System Inc. is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

In 2014 the Florida Department of Environmental Protection performed a Source Water Assessment on our system. The assessment was conducted to provide information about any potential sources of contamination in the vicinity of our wells. There is one potential source of contamination identified for this system with a low susceptibility level. The assessment results are available on the FDEP Source Water Assessment and Protection Program website at www.dep.state.fl.us/swapp or they can be obtained from HNWS website.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- (A) *Microbial contaminants*, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- (B) *Inorganic contaminants*, such as salts and metals, which can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- (C) *Pesticides and herbicides*, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- (D) *Organic chemical contaminants*, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.
- (E) *Radioactive contaminants*, which can be naturally occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the EPA prescribes regulations, which limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

*Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people 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. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).*

In the table on reverse page, you may find unfamiliar terms and abbreviations. To help you better understand these terms we've provided the following definitions:
Maximum Contaminant Level or MCL: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal or MCLG: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

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

Maximum residual disinfectant level or MRDL: The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum residual disinfectant level goal or MRDLG: The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

"ND": means not detected and indicates that the substance was not found by laboratory analysis.

Parts per billion (ppb) or Micrograms per liter (µg/l): one part by weight of analyte to 1 billion parts by weight of the water sample.

Parts per million (ppm) or Milligrams per liter (mg/l): one part by weight of analyte to 1 million parts by weight of the water sample.

Picocurie per liter (pCi/L): measure of the radioactivity in water.

2014 Water Quality Table

LEAD AND COPPER (TAP WATER)							
Contaminant and Unit of Measurement	Dates of sampling (mo./yr.)	AL Exceeded Y/N	90th Percentile Result	No. of sampling sites exceeding the AL	MCLG	AL (Action Level)	Likely Source of Contamination
Copper (tap water) (ppm)	Aug 14	N	0.41	0 of 35	1.3	1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (tap water) (ppb)	Aug 14	N	7.9	1 of 35	0	15	Corrosion of household plumbing systems, erosion of natural deposits
RADIOACTIVE CONTAMINANTS							
Contaminant and Unit of Measurement	Dates of sampling (mo./yr.)	MCL Violation Y/N	Level Detected	Range of Results	MCLG	MCL	Likely Source of Contamination
Alpha emitters (pCi/L)	Aug 08 – Feb 12	N	6.1	ND – 6.1	0	15	Erosion of natural deposits
Radium 226 + 228 or combined radium (pCi/L)	Aug 08 – Aug 14	N	4.29	0.07 – 4.29	0	5	Erosion of natural deposits
INORGANIC CONTAMINANTS							
Barium (ppm)	Jun 14	N	0.07	0.016 – 0.07	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Fluoride (ppm)	Jun 14	N	0.86	ND – 0.86	4	4.0	Erosion of natural deposits; discharge from fertilizer and aluminum factories. Water additive which promotes strong teeth when at the optimum level of 0.7 ppm
Mercury (ppb)	Jun 14	N	0.1	ND – 0.1	2	2	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland
Lead (point of entry) (ppb)	Jun 14	N	0.8	ND – 0.8	0	15	Residue from man-made pollution such as auto emissions and paint; lead pipe, casing, and solder
Nitrate (as Nitrogen) (ppm)	Jun 14	N	1.2	ND – 1.2	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Sodium (ppm)	Jan – Dec 14	N	155	1.8 - 175	N/A	160	Salt water intrusion, leaching from soil
STAGE 2 DISINFECTANTS AND DISINFECTION BY-PRODUCTS							
Disinfectant or Contaminant and Unit of Measurement	Dates of sampling (mo./yr.)	MCL or MRDL Violation Y/N	Level Detected (Avg)	Range of Results	MCLG or MRDLG	MCL or MRDL	Likely Source of Contamination
Chlorine (ppm) (Stage 1)	Jan – Dec 14	N	1.09	1.01 – 1.29	MRDLG = 4	MRDL = 4.0	Water additive used to control microbes
Haloacetic Acids (five) (HAA5) (ppb)	Nov 13 – Aug 14	N	7.2	ND – 19.6	N/A	MCL = 60	By-product of drinking water disinfection
Total Trihalomethanes (TTHM) (ppb)	Nov 13 – Aug 14	N	34.7	ND – 77.9	N/A	MCL = 80	By-product of drinking water disinfection
MICROBIOLOGICAL CONTAMINANTS							
Contaminant and Unit of Measurement	Dates of sampling (mo./yr.)	MCL Violation Y/N	Highest Monthly Percentage	MCLG	MCL		Likely Source of Contamination
Total Coliform Bacteria	Jan – Dec 14	N	2	0	For systems collecting at least 40 samples per month: presence of coliform bacteria in 5% of monthly samples.		Naturally present in the environment

UNREGULATED CONTAMINANTS				
Contaminant and Unit of Measurement	Dates of sampling (mo./yr.)	Level Detected (Avg)	Range	Likely Source of Contamination
Chloromethane	Mar & Sept 14	0.03	ND – 0.45	Unavailable
Bromomethane	Mar & Sept 14	0.01	ND -0.08	Unavailable
Vanadium	Mar & Sept 14	0.13	ND – 0.59	Unavailable
Molybdenum	Mar & Sept 14	0.24	ND – 0.73	Unavailable
Cobalt	Mar & Sept 14	0.82	ND – 6.1	Unavailable
Strontium	Mar & Sept 14	508	11- 1380	Unavailable
Chromium (total)	Mar & Sept 14	0.19	ND – 0.46	Unavailable
Chromium-6	Mar & Sept 14	0.06	ND – 0.26	Unavailable

Holley-Navarre Water System, Inc. has been monitoring for unregulated contaminants (UCs) as part of a study to help the U.S. Environmental Protection Agency (EPA) determine the occurrence in drinking water of UCs and whether or not these contaminants need to be regulated. At present, no health standards (for example, maximum contaminant levels) have been established for UCs. However, we are required to publish the analytical results of our UC monitoring in our annual water quality report. If you would like more information on the EPA's Unregulated Contaminants Monitoring Rule, please call the Safe Drinking Water Hotline at (800) 426-4791.

If you have any questions about this report or concerning your water utility, please contact Paul Gardner, Clinton Wells or Everett Ratliff, Jr at (850) 939-2427. We encourage our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held every third Tuesday of each month at 7pm in the Holley-Navarre Water System, Inc (HNWS) office board room, located at 8574 Turkey Bluff Rd.