

2015 Annual Drinking Water Quality Report of the Englewood Water District

Is my water safe?

We are pleased to present this year's Annual Water Quality Report (Consumer Confidence Report) as required by the Safe Drinking Water Act (SDWA). This report is designed to provide details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. This report is a snapshot of last year's water quality. We are committed to providing you with information because informed customers are our best allies. We are pleased to report that our drinking water meets all federal and state requirements.

Do I need to take special precautions?

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/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

Where does my water come from?

Our water is obtained from ground water sources, the Floridan and Upper Hawthorne Aquifers, as well as Surficial Aquifers. The District has four (4) freshwater wellfields providing raw water to a lime softening plant and two (2) brackish water wellfields providing raw water to a reverse osmosis plant. Wellfields 2 & 4 draw water at a depth range of 260-450 feet and Wellfields 1, 2, 3 & 5 at a depth range of 50-100 feet. State and Federal laws require that water be disinfected to kill pathogenic bacteria that may be present. Chloramines, a chlorine/ammonia solution, are injected during the treatment process to accomplish disinfection. EWD continues to study new and proposed water quality standard requirements, developing treatment modifications as needed.

Source water assessment and its availability

In 2015 the Florida Department of Environmental Protection (FDEP) 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 are four (4) potential sources of contamination identified for this system with a susceptibility range of 0.03 to 33.33. The assessment results are available on the FDEP Source Water Assessment and Protection Program website at www.dep.state.fl.us/swapp or by contacting The Englewood Water District.

Why are there contaminants in my drinking water?

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 water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (800-426-4791). 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: microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; 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; pesticides and herbicides, which may come from a

variety of sources such as agriculture, urban stormwater runoff, and residential uses; 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; and 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, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

How can I get involved?

If you have any questions about this report or concerning your water utility, please contact The Englewood Water District at 941-474-3217. We encourage our valued customers to be informed about their water utility. If you would like to learn more, please attend any of our regularly scheduled meetings; a complete schedule of meetings can be found on our website, www.inglewoodwater.com. Most regular meetings of the Board of Supervisors are held the first Thursday of the month at 201 Selma Avenue, Englewood and begin at 8:30 a.m.

Additional Information for Lead

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. Englewood Water District 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>.

While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

Water Quality Data Table

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of contaminants in water provided by public water systems. The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. Although many more contaminants were tested, only those substances listed below were found in your water. All sources of drinking water contain some naturally occurring contaminants. At low levels, these substances are generally not harmful in our drinking water. Removing all contaminants would be extremely expensive, and in most cases, would not provide increased protection of public health. A few naturally occurring minerals may actually improve the taste of drinking water and have nutritional value at low levels. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. As such, some of our data, though representative, may be more than one year old. In this table you will find terms and abbreviations that might not be familiar to you. To help you better understand these terms, we have provided the definitions below the table.

Contaminants	MCLG or MRDLG	MCL, TT, or MRDL	Your Water	Range		Sample Date	Violation	Typical Source
				Low	High			
Disinfectants & Disinfection By-Products								
(There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants)								
Chloramine (as Cl ₂) (mg/L)	4	4	3.53	NA		2015	No	Water additive used to control microbes
Haloacetic Acids (HAA5) (ppb)	NA	60	13.27	7.01	20.09	2015	No	By-product of drinking water chlorination
TTHMs [Total Trihalomethanes] (ppb)	NA	80	12.2	5.9	16.3	2015	No	By-product of drinking water disinfection
Inorganic Contaminants								
Arsenic (ppb)	0	10	1.9	NA		2014	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Barium (ppm)	2	2	.0010	NA		2014	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Beryllium (ppb)	4	4	.2	NA		2014	No	Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries
Fluoride (ppm)	4	4	.071	NA		2014	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Nitrate [measured as Nitrogen] (ppm)	10	10	.02	NA		2015	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Selenium (ppb)	50	50	3.5	NA		2014	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines
Sodium (optional) (ppm)	NA		51	NA		2014	No	Erosion of natural deposits; Leaching

Contaminants	MCLG	MCL	Your Water	Sample Date	# Samples Exceeding AL	Exceeds AL	Typical Source
Inorganic Contaminants							
Lead - action level at consumer taps (ppb)	0	15	0.0060	2014	0	No	Corrosion of household plumbing systems; Erosion of natural deposits

Unit Descriptions	
Term	Definition
ppm	ppm: parts per million, or milligrams per liter (mg/L)
ppb	ppb: parts per billion, or micrograms per liter (µg/L)
mg/L	mg/L: Number of milligrams of substance in one liter of water
NA	NA: not applicable
ND	ND: Not detected
NR	NR: Monitoring not required, but recommended.

Important Drinking Water Definitions

Term	Definition
MCLG	MCLG: Maximum Contaminant Level Goal: 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.
MCL	MCL: Maximum Contaminant Level: 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.
TT	TT: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.
AL	AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
Variances and Exemptions	Variances and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions.
MRDLG	MRDLG: Maximum residual disinfection level goal. 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.
MRDL	MRDL: Maximum residual disinfectant level. 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.
MNR	MNR: Monitored Not Regulated
MPL	MPL: State Assigned Maximum Permissible Level

For more information please contact:

The Englewood Water District

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Phone: 941-474-3217



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Steven Samuels, Chair

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Unregulated Contaminant Monitoring Results Table

Englewood Water District 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.

PWS ID	PWS Name	Size	Facility ID	Facility Name	Facility Water Type	Sample Point ID	Sample Point Name	Sample Point Type	Associated Facility ID	Associated Sample Point ID	Collection Date	Sample ID	Contaminant	MRL	Method ID	Analytical Results Sign	Analytical Results Value	Sample Event Code	Monitoring Requirement	Region	State
FL6580531	Englewood Water District	L	2	Distribution System	GW	531002	985 Gulf Blvd.	MR			3/10/2015	35179053003AM	chromium-6	0.03	EPA 218.7	=	0.1	SE2	AM	4	FL
FL6580531	Englewood Water District	L	2	Distribution System	GW	531002	985 Gulf Blvd.	MR			3/10/2015	35179053003AM	chlorate	20	EPA 300.1	<		SE2	AM	4	FL
FL6580531	Englewood Water District	L	2	Distribution System	GW	531002	985 Gulf Blvd.	MR			3/10/2015	35179053003AM	strontium	0.3	EPA 200.8	=	162	SE2	AM	4	FL
FL6580531	Englewood Water District	L	2	Distribution System	GW	531002	985 Gulf Blvd.	MR			3/10/2015	35179053003AM	cobalt	1	EPA 200.8	<		SE2	AM	4	FL
FL6580531	Englewood Water District	L	2	Distribution System	GW	531002	985 Gulf Blvd.	MR			3/10/2015	35179053003AM	molybdenum	1	EPA 200.8	<		SE2	AM	4	FL
FL6580531	Englewood Water District	L	2	Distribution System	GW	531002	985 Gulf Blvd.	MR			3/10/2015	35179053003AM	vanadium	0.2	EPA 200.8	=	0.37	SE2	AM	4	FL
FL6580531	Englewood Water District	L	2	Distribution System	GW	531002	985 Gulf Blvd.	MR			3/10/2015	35179053003AM	chromium	0.2	EPA 200.8	=	0.23	SE2	AM	4	FL
FL6580531	Englewood Water District	L	1	RO & Lime Plant	GW	531001	Entry Point to Distribution System	EP	2	531002	3/10/2015	35179053001AM	1,3-butadiene	0.1	EPA 524.3	<		SE2	AM	4	FL
FL6580531	Englewood Water District	L	1	RO & Lime Plant	GW	531001	Entry Point to Distribution System	EP	2	531002	3/10/2015	35179053001AM	1,1-dichloroethane	0.03	EPA 524.3	<		SE2	AM	4	FL
FL6580531	Englewood Water District	L	1	RO & Lime Plant	GW	531001	Entry Point to Distribution System	EP	2	531002	3/10/2015	35179053001AM	PFOA	0.02	EPA 537	<		SE2	AM	4	FL
FL6580531	Englewood Water District	L	1	RO & Lime Plant	GW	531001	Entry Point to Distribution System	EP	2	531002	3/10/2015	35179053001AM	PFOS	0.04	EPA 537	<		SE2	AM	4	FL
FL6580531	Englewood Water District	L	1	RO & Lime Plant	GW	531001	Entry Point to Distribution System	EP	2	531002	3/10/2015	35179053001AM	cobalt	1	EPA 200.8	<		SE2	AM	4	FL
FL6580531	Englewood Water District	L	1	RO & Lime Plant	GW	531001	Entry Point to Distribution System	EP	2	531002	3/10/2015	35179053001AM	HCFC-22	0.08	EPA 524.3	<		SE2	AM	4	FL
FL6580531	Englewood Water District	L	1	RO & Lime Plant	GW	531001	Entry Point to Distribution System	EP	2	531002	3/10/2015	35179053001AM	chlorate	20	EPA 300.1	<		SE2	AM	4	FL
FL6580531	Englewood Water District	L	1	RO & Lime Plant	GW	531001	Entry Point to Distribution System	EP	2	531002	3/10/2015	35179053001AM	Halon 1011	0.06	EPA 524.3	<		SE2	AM	4	FL
FL6580531	Englewood Water District	L	1	RO & Lime Plant	GW	531001	Entry Point to Distribution System	EP	2	531002	3/10/2015	35179053001AM	strontium	0.3	EPA 200.8	=	171	SE2	AM	4	FL
FL6580531	Englewood Water District	L	1	RO & Lime Plant	GW	531001	Entry Point to Distribution System	EP	2	531002	3/10/2015	35179053001AM	1,2,3-trichloropropane	0.03	EPA 524.3	<		SE2	AM	4	FL
FL6580531	Englewood Water District	L	1	RO & Lime Plant	GW	531001	Entry Point to Distribution System	EP	2	531002	3/10/2015	35179053001AM	PFNA	0.02	EPA 537	<		SE2	AM	4	FL
FL6580531	Englewood Water District	L	1	RO & Lime Plant	GW	531001	Entry Point to Distribution System	EP	2	531002	3/10/2015	35179053001AM	bromomethane	0.2	EPA 524.3	<		SE2	AM	4	FL
FL6580531	Englewood Water District	L	1	RO & Lime Plant	GW	531001	Entry Point to Distribution System	EP	2	531002	3/10/2015	35179053001AM	PFBS	0.09	EPA 537	<		SE2	AM	4	FL
FL6580531	Englewood Water District	L	1	RO & Lime Plant	GW	531001	Entry Point to Distribution System	EP	2	531002	3/10/2015	35179053001AM	chloromethane	0.2	EPA 524.3	<		SE2	AM	4	FL
FL6580531	Englewood Water District	L	1	RO & Lime Plant	GW	531001	Entry Point to Distribution System	EP	2	531002	3/10/2015	35179053001AM	PFHpA	0.01	EPA 537	<		SE2	AM	4	FL
FL6580531	Englewood Water District	L	1	RO & Lime Plant	GW	531001	Entry Point to Distribution System	EP	2	531002	3/10/2015	35179053001AM	PFHxS	0.03	EPA 537	<		SE2	AM	4	FL
FL6580531	Englewood Water District	L	1	RO & Lime Plant	GW	531001	Entry Point to Distribution System	EP	2	531002	3/10/2015	35179053001AM	chromium	0.2	EPA 200.8	=	0.24	SE2	AM	4	FL
FL6580531	Englewood Water District	L	1	RO & Lime Plant	GW	531001	Entry Point to Distribution System	EP	2	531002	3/10/2015	35179053001AM	chromium-6	0.03	EPA 218.7	=	0.11	SE2	AM	4	FL
FL6580531	Englewood Water District	L	1	RO & Lime Plant	GW	531001	Entry Point to Distribution System	EP	2	531002	3/10/2015	35179053001AM	molybdenum	1	EPA 200.8	<		SE2	AM	4	FL
FL6580531	Englewood Water District	L	1	RO & Lime Plant	GW	531001	Entry Point to Distribution System	EP	2	531002	3/10/2015	35179053001AM	vanadium	0.2	EPA 200.8	=	0.33	SE2	AM	4	FL
FL6580531	Englewood Water District	L	1	RO & Lime Plant	GW	531001	Entry Point to Distribution System	EP	2	531002	3/10/2015	35179053001AM	1,4-dioxane	0.07	EPA 522	<		SE2	AM	4	FL