

# Annual Drinking Water Quality Report (Consumer Confidence Report)

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## SOUTH CLEVELAND WSC

TX1460140

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Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono (281) 659-9771.

This report is intended to provide you with important information about your drinking water and the efforts made by the water system to provide safe drinking water. Our number one goal is to provide you and your family a safe and dependable supply of drinking water. Our employees strive to deliver a quality product and protect the County's water resources. To ensure the safety of your water, SCWSC routinely monitors for contaminants in your drinking water according to the Federal and State laws, rules and regulations. Except where indicated otherwise, this Water Quality Report is based on the results of SCWSC monitoring for the period of January 1, 2016 to December 31, 2016. Data obtained before January 1, 2016 and presented in this publication are from the most recent testing done in accordance with the laws, rules and regulations.

### **For Customers with Special Health Concerns:**

You may be more vulnerable than the general population to certain microbial contaminants, such as *Cryptosporidium*, in drinking water. Infants, some elderly, or immunocompromised persons such as those undergoing chemotherapy for cancer; persons who have undergone organ transplants; those who are undergoing treatment with steroids; and people with HIV/AIDS or other immune system disorders, can be particularly at risk from infections. You should seek advice about drinking water from your physician or health care providers. Additional guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* are available from the Safe Drinking Water Hotline (800-426-4791).

## Sources of Drinking Water

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.

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 EPA's Safe Drinking Water Hotline at (800) 426-4791.

### **Contaminants that may be present in source water include:**

- **Microbial contaminants**, such as viruses and bacteria, which 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 storm water 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 storm water 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 storm water runoff, and septic systems.
- **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 which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Contaminants may be found in drinking water that may cause taste, color, or odor problems. These types of problems are not necessarily causes for health concerns. For more information on taste, odor, or color of drinking water, please contact the system's business office.

## Water Quality Standards

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

Contaminants may be found in drinking water that may cause taste, color, or odor problems. These types of problems are not necessarily causes for health concerns. For more information on taste, odor, or color of drinking water, please contact the system's business office.

<b>Action Level Goal (ALG):</b>	The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety.
<b>Action Level:</b>	The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
<b>Avg:</b>	Regulatory compliance with some MCLs are based on running annual average of monthly samples.
<b>Maximum Contaminant Level or MCL:</b>	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.
<b>Maximum Contaminant Level Goal or MCLG:</b>	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.
<b>Maximum residual disinfectant level or MRDL:</b>	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.
<b>Maximum residual disinfectant level goal or MRDLG:</b>	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.
<b>MFL</b>	million fibers per liter (a measure of asbestos)
<b>na:</b>	not applicable.
<b>NTU</b>	nephelometric turbidity units (a measure of turbidity)
<b>pCi/L</b>	picocuries per liter (a measure of radioactivity)
<b>ppb:</b>	micrograms per liter or parts per billion - or one ounce in 7,350,000 gallons of water.
<b>ppm:</b>	milligrams per liter or parts per million - or one ounce in 7,350 gallons of water.
<b>ppt</b>	parts per trillion, or nanograms per liter (ng/L)
<b>ppq</b>	parts per quadrillion, or picograms per liter (pg/L)

# Consumer Confidence Report

## Information Specific to South Cleveland Water Supply Corporation

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Year this report covers: 2016

### Public Participation Opportunities

Date: 1st Monday of each Month

Time: 7:00 P.M.

Location: 561 CR 331, Cleveland, TX 77327 (SCWSC water office)

### Source of Water

**Type of Water:** Groundwater

**Any Commonly used name of the body of water:** Evangeline Aquifer

**Location of the body of water:** Liberty Countuy

**Water Loss:** In the water loss audit submitted to the Texas Water Development Board for the time period of January-December 2015, our system estimated 527,335 gallons of water.

### Source Water Assessments Protection

A Source Water Susceptibility Assessment for your drinking water source(s) is currently being updated by the Texas Commission on Environmental Quality. This information describes the susceptibility and types of constituents that may come into contact with your drinking water source based on human activities and natural conditions. The information contained in the assessment allows us to focus source water protection strategies.

For more information about your sources or water, please refer to the Source Water Assessment Viewer available at the following URL: <http://gis3.tceq.state.tx.us/swav/Controller/index.jsp?wtrsrc=> . Further details about sources and source-water assessments are available in Drinking Water Watch at the following URL: <http://dww.tceq.texas.gov/DWW> .

Source Water Name		Type of Water	Report Status	Location
1 - PLUMWOOD RD / FM 1010	PLUMWOOD RD / FM	GW	Active	128 County Road 320
2 - GULF RD	GULF RD	GW	Active	561 County Road 331

### Information on Detected Contaminants

#### Coliform Bacteria

Maximum Contaminant Level Goal	Total Coliform Maximum Contaminant Level	Highest No. of Positive	Fecal Coliform or E. Coli Maximum Contaminant Level	Total No. of Positive E. Coli or Fecal Coliform Samples	Violation	Likely Source of Contamination
0	1 positive monthly sample.	0	0	0	N	Naturally present in the environment.

#### Disinfectant Residual Level

Disinfectant	Year	Average Level	Minimum Level	Maximum Level	MRDL	MRDLG	Unit of Measure	Violation (Y/N)	Likely Source of Contamination
Chlorine Residual Free	2016	1.0	.50	2.0	4.0	<4.0	Ppm	N	Disinfectant used to control microbes

#### Lead and Copper

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
<b>Copper</b>	06/18/2014	1.3	1.3	0.075	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
<b>Lead</b>	06/18/2014	0	15	1.3	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

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. We are responsible for providing high quality drinking water, but we 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>.

## Regulated Contaminants

<b>Disinfectants and Disinfection By-Products</b>	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
<b>Total Trihalomethanes (TTHM)</b>	2016	6	4.1-8.7	No goal for the total	80	ppb	N	By-product of drinking water disinfection.
<b>Haloacetic Acids (HAA5)</b>	2016	1	1.3-1.4	No goal for the total	60	Ppb	N	By-product of drinking water disinfection
<b>Inorganic Contaminants</b>	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
<b>Arsenic</b>	5/19/2015	3.4	3.4 - 3.4	0	10	ppb	N	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
<b>Barium</b>	5/19/2015	0.0321	0.0321 - 0.0321	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
<b>Fluoride</b>	5/19/2015	0.57	0.57 - 0.57	4	4.0	ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
<b>Nitrate [measured as Nitrogen]</b>	2016	0.03	0.02 - 0.03	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
<b>Selenium</b>	5/19/2015	4.4	4.4 - 4.4	50	50	ppb	N	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.
<b>Radioactive Contaminants</b>	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
<b>Combined Radium 226/228</b>	04/12/2012	1	1 - 1	0	5	pCi/L	N	Erosion of natural deposits.

<b>Volatile Organic Contaminants</b>	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
<b>Carbon Tetrachloride</b>	2016	1	0-0.7	0	5	Ppb	N	Discharge from chemical plants and other industrial activities