Annual Drinking Water Quality Report

TX0790037

CITY OF ORCHARD

Annual Water Quality Report for the period of January 1 to December 31, 2014

For more information regarding this report contact:

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

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CITY OF ORCHARD is Ground Water

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono (979) 478-6893.

PUBLIC PARTICIPATION: Location: 9714 Kibler

Time: 2nd Tuesday of Month, 6:00 PM

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 pickup substances resulting from the presence of animals or from

(800) 426-4791 indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPAs Safe Drinking Water Hotline at 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

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
- and gas production, mining, or farming 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
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses
- from gas stations, urban storm water runoff, and septic systems Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come

Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities

regulations establish limits for contaminants in bottled water which must provide the same protection for public health 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

information on taste, odor, or color of drinking water, please contact the system's business office. 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

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 Hotline (800-426-4791). immunocompromised persons such as those undergoing chemotherapy for cancer; persons who have undergone organ transplants; those who are undergoing treatment with 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 You may be more vulnerable than the general population to certain microbial contaminants, such as Cryptosporidium, in drinking water. Infants, some elderly, or

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 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 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

The TCEQ completed an assessment of your source water and results indicate that some of your sources are susceptible to certain contaminants. The sampling requirements for your water system are based on this susceptibility and previous sample data. Any detections of these contaminants may be found in this Consumer Confident Report. For more information on source water assessments and protection efforts at our system, contact Jerome Supak at (979) 478-6893.

For more information about your sources of water, please refer to the Source Water Assessment Viewer available at the following URL: http://www.tceq.texas.gov/gis/swaview

Further details about sources and source-water assessments are available in Drinking Water Watch at the following URL: http://dww.tceq.state.tx.us/DWW/

Source Water Name		Type of Water	Report Status	Location
1 - 9921 GALVESTON RD	9921 GALVESTON RD	GW	ACTIVE	GULF COAST
2 - 9921 GALVESTON RD (W OF I)	9921 GALVESTON RD (W OF 1)	GW	ACTIVE	GULF COAST

MEDIUM	HIGH	HIGH	LOW	MEDIUM	LOW	HIGH	HIGH	HIGH	LOW	MEDIUM
Other	Drinking Water Contaminant Candidate	Volatile Organic Chemicals	Disinfection Byproduct	Sythetic Organic Chemicals	Sythetic Minerals Radiochemical Organic Chemicals	Minerals	Microbial	Metals	Cyanide	Asbestos
				ummary	system Susceptibility St	System S				

MEDIUN	HIGH	HIGH	LOW	MEDIUM	LOW	HIGH	нісн нісн нісн	HIGH	MEDIUM LOW	MEDIUM	100
Other	Drinking Water Contaminant Candidate	Volatile Organic Chemicals	Disinfection Byproduct	Sythetic Organic Chemicals	Radiochem	Minerals	Entry Point Asbestos Cyanide Metals Microbial Minerals Radiochen ID	Metals	Cyanide	Asbestos	Entry Point ID
				nmary	Entry Point Susceptibility Sumi	oint Suscep	Entry Po				

Water Quality Test Results

Avg Definitions: Maximum Contaminant Level or MCL: Regulatory compliance with some MCLs are based on running annual average of monthly samples 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. The following tables contain scientific terms and measures, some of which may require explanation

Maximum residual disinfectant level goal or MRDLG: Maximum residual disinfectant level or MRDL: 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 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 control microbial contaminants.

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

million fibers per liter (a measure of asbestos)

not applicable.

MEL

na.

Maximum Contaminant Level Goal or MCLG:

nephelometric turbidity units (a measure of turbidity)
picocuries per liter (a measure of radioactivity)

micrograms per liter or parts per billion - or one ounce in 7,350,000 gallons of water.

milligrams per liter or parts per million - or one ounce in 7,350 gallons of water.

PDP:

ppt

parts per trillion, or nanograms per liter (ng/L)

parts per quadrillion, or picograms per liter (pg/L)

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Combined Radium 226/228 02/12/2013		Radioactive Contaminants Collection Date	Selenium 04/12/2012	Nitrate [measured as 2014 Nitrogen]	Fluoride 04/12/2012	Barium 04/12/2012	Arsenic 04/12/2012	Inorganic Contaminants Collection Date	Regulated Contaminants
	3.1	Highest Level Detected	3.1	0.47	0.16	0.219	3.6	Highest Level Detected	
	3.1-3.1	Range of Levels Detected	3.1-3.1	0.47 - 0.47	0.16 - 0.16	0.219 - 0.219	3.6 - 3.6	Range of Levels Detected	
	0	MCLG	50	10	4	2	0	MCLG	
2	5	MCL	50	10	4.0	2	10	MCL	
pC//L	pCi/L	Units	ppb	ppm	ppm	ppm	ppb	Units	
z	z	Violation	z	z	z	z	z	Violation	
Erosion of natural deposits.	Erosion of natural deposits	Likely Source of Contamination	Discharge from petroleum and metal refineries. Erosion of natural deposits, Discharge from mines.	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits	Erosion of natural deposits: Water additive which promotes strong teeth, Discharge from fertilizer and aluminum factories.	Discharge of drilling wastes: Discharge from metal refineries, Erosion of natural deposits.	Erosion of natural deposits, Runoff from orchards: Runoff from glass and electronics production wastes.	Likely Source of Contamination	

2014 Chlorine 1.59	
1.02	
2.2	
4	
щ	
ppm	
Disinfectant used to control microbes	chemical