Annual Drinking Water Quality Report

TX0790037

CITY OF ORCHARD

Annual Water Quality Report for the period of January 1 to December 31, 2015

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.

For more information regarding this report contact:

Name JEROME SUPAK

Phone 979-478-6893

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

CITY OF ORCHARD is Ground Water

PUBLIC PARTICIPATION: Location 9714 Kibler

TIME: 2ND Tuesday of Month, 6:00 PM

Sources of Drinking Water

human activity. 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 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

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

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 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 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 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

Information about Source Water Assessments

on source water assessments and protection efforts at our system, contact JEROME SUPAK, or go to http://tceq.texas.gov/gis/swaview. 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 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

Further details about sources and source-water assessments are available in Drinking Water Watch at the following URL: http://dww2.tceq.texas.gov/DWW/

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

microbes								
control								
used to								
Disinfectant	ppm	1	4	3.01	1.13	1.80	Chlorine	2015
chemical								
Source of	Unit of measure	MRDLG	MRDL	Maximum level	Minimum level	Average level	Disinfectant	Year

06/15/2016

Lead and Copper

Definitions:

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

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	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing	Z	ppm	0	0.1418	1.3	.1418	2015	Copper
2015 .1418 1.3 0.1418 0 ppm N		N	ppb	0	5.6	15	.0056	2015	Lead

Lead	2015	.0056	15	5.6	0	ppb	z	Corrosion of household plumbing systems; Erosio of natural deposits.
Definitions:		The following ta	The following tables contain scientific terms and measures, some of which may require explanation.	terms and measure	s, some of which m	ay require explanat	ion.	
Avg:		Regulatory comp	Regulatory compliance with some MCLs are based on running annual average of monthly samples.	CLs are based on run	ning annual averag	e of monthly samp	les.	
Maximum Contaminant Level or MCL:	el or MCL:	The highest leve	l of a contaminant tha	it is allowed in drink	ing water. MCLs a	re set as close to the	e MCLGs as feasible	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:	el Goal or MCLG:	The level of a co	ntaminant in drinking	water below which	there is no known	or expected risk to	health. MCLGs allo	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.
Maximum residual disinfectant level or MRDL:	ant level or MRDL:	The highest leve contaminants.	l of a disinfectant allo	wed in drinking wat	er. There is convin	cing evidence that	addition of a disinfe	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:	unt level goal or MRDLG:	The level of a drinking water di control microbial contaminants.	inking water disinfect lontaminants.	ant below which the	re is no known or	expected risk to hea	lth. MRDLGs do no	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.
MFL		million fibers pe	million fibers per liter (a measure of asbestos)	sbestos)				
na:		not applicable.						
NTU		cephalometric tu	cephalometric turbidity units (a measure of turbidity)	ire of turbidity)				
pCi/L		picocuries per lit	picocuries per liter (a measure of radioactivity)	oactivity)				
ppb:		nicrograms per liter	micrograms per liter or parts per billion - or one ounce in 7,350,000 gallons of	or one ounce in 7,35		water.		
Poo.		iliciogiailis pei iiwi	or barts ber omnon -	or one onneem '555		lici.		

06/15/2016

ppt ppt

parts per trillion, or Nano grams per liter (ng/L) parts per quadrillion, or pictograms per liter (pg/L)

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

Regulated Contaminants

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Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Arsenic	04/12/2012	3.6	3.6 - 3.6	0	10	ppb	z	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
Barium	04/12/2012	0.219	0.219 - 0.219	2	2	ppm	Z	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	2015	0.2	0.2 - 0.2	4	4.0	ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Nitrate [measured as Nitrogen]	2015	0.45	0.45 - 0.45	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Selenium	04/12/2012	3.1	3.1 - 3.1	50	50	ppb	Z	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.
Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Combined Radium 226/228	02/12/2013	3.1	3.1 - 3.1	0	5	pCi/L	Z	Erosion of natural deposits.
Gross alpha excluding radon and uranium	02/12/2013	3.1	3.1 - 3.1	0	15	pCi/L	z	Erosion of natural deposits.

Violations Table

Lead and Copper Rule

The Lead and Copper Rule protects public health by minimizing lead and copper levels in drinking water, primarily by reducing water corrosively. Lead and copper enter drinking water mainly from corrosion of lead and copper containing plumbing materials.

Violation Type	Violation Begin	Violation End	Violation End Violation Explanation
LEAD CONSUMER NOTICE (LCR)	12/30/2015	02/11/2016	We failed to provide the results of lead tap water monitoring to the consumers at the location water was tested. These were supposed to be provided no later than 30 days after learning the results.