Annual Drinking Water Quality Report

TX1610027

SELKIRK WSC

Annual Water Quality Report for the period of January 1 to December 31, 2016

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:

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SELKIRK WSC is Ground Water from the Gulf Coast Aquifer

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono (512) 239-4691

Sources of Drinking Water

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 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

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 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

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 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.

Information about Source Water Assessments

your water system are based on this susceptibility and previous sample data. Any detection of these contaminants may be found in this Consumer Confidence Report. For more The TCEQ completed an assessment of your source water and results indicated that some of your sources are susceptible to certain contaminants. The sampling requirements for information on source water assessments and protection efforts at our system, contact Harley Aaron, (979) 235-7023.

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://dww2.tceq.texas.gov/DWW/

3 - ZIPPRIAN WAY / CR 243 (N PLANT)	2 - EXOTIC ISLE DR / CR 243 (S PLANT)	Source Water Name
REPL FOR 1	SELKIRK / BOAT HOUSE	
GW	GW	Type of Water
Active	Active	Report Status
Selkirk Island	Selkirk Island	Location

Regulated Contaminants Detected

Lead and Copper

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.

Lead and Copper Date Sampled MCLG Action Level (AL) 90th Percentile # Sites Over AL Units Violation Likely Source of Contamination

Copper Lead 08/29/2014 08/29/2014 1.3 0 15 1.3 0.056 1.4 0 0 ppb ppm Z Z Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing Corrosion of household plumbing systems; Erosion of natural deposits.

Water Quality Test Results

Definitions:

Avg:

Maximum Contaminant Level or MCL:

Level 1 Assessment:

Maximum Contaminant Level Goal or MCLG:

Level 2 Assessment

Maximum residual disinfectant level or MRDL

Maximum residual disinfectant level goal or MRDLG:

MFL

na:

The following tables contain scientific terms and measures, some of which may require explanation

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.

A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria were found

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

contaminant level (MCL) violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an Escherichia coli (E. coli) maximum

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

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

million fibers per liter (a measure of asbestos)

not applicable.

Water Quality Test Results

mrem:

pCi/L

UIU

ppb:

ppt

ppq

ppm:

Treatment Technique or TT:

millirems per year (a measure of radiation absorbed by the body)

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.

A required process intended to reduce the level of a contaminant in drinking water.

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

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

Regulated Contaminants

and Disinfection	Collection Date	Highest Level	Range of Levels	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5)	2016	3	2.7 - 2.7	No goal for the	60	ppb	Z	By-product of drinking water disinfection.
Total Trihalomethanes	2016	24	24.4 - 24.4	No goal for the	80	ppb	Z	By-product of drinking water disinfection.
Inorganic Contaminants	Collection Date	Highest Level	Range of Levels	MCLG	MCL	Units	Violation	Likely Source of Contamination
Arsenic - While your drinking water meets EPA standards for arsenic, it does contain low levels of arsenic, EPAs standard balances the current understanding of arsenics 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.	2016	6	4.6 - 6.3	0	10	ppb	z	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.

	Nitrate [measured as Nitrogen]		Fluoride		Partuill	Rovins
	2016		03/18/2015		03/18/2015	
	0.01		0.97		0.116	
	0-0.01		0.96 - 0.97		0.115 - 0.116	
	10		4		2	
	10		4.0		2	
	ppm		ppm		ppm	
	z		Z		Z	
Tanana ucposits.	Runoff from fertilizer use; Leaching from septic	aluminum factories.	Erosion of natural deposits; Water additive which promotes strong teeth: Discharge from fertilizer and	refineries; Erosion of natural deposits.	Discharge of drilling wastes; Discharge from metal	

	Combined Radium 226/228)	A CONTRACTIVE CONTRACTION	Radioactive Conteminant
	02/01/2012		Collection Date	
	1		Highest Level Detected	
	1-1		Range of Levels Detected	
	0		MCLG	
	5		MCL	
,	pCi/L		Units	
11	Z		Violation	
The second of the second seconds.	Frosion of natural deposits		Likely Source of Contamination	

Chlorine	Disinfectant Type
2016	Year
1.20	Average Level
0.35	Minimum Level
1.97	Maximum Level
4 mg/L	MRDL
4 mg/L	MRDLG
ppm	Unit of Measure
N	Violation (Y/N)
Water additive used to control m	Likely Source
nicrobes	

Public Notification Rule

The Public Notification Rule helps to ensure that consumers will always know if there is a problem with their drinking water. These notices immediately alert consumers if there is a boil water emergency).

our water entergency).			act consumers it there is a serious problem with their drinking water (e.g., a
Violation Type	Violation Begin	Violation End	Violation Explanation
PUBLIC NOTICE RULE LINKED TO VIOLATION *	08/03/2012	2016 **	We failed to adequately notify you, our drinking water consumers, about a violation of the drinking water regulations.
PUBLIC NOTICE RULE LINKED TO VIOLATION *	11/13/2012	2016 **	We failed to adequately notify you, our drinking water consumers, about a violation of the drinking water regulations.

- The public notification of violations above was the result of testing from Well #1 which was plugged/cemented in 2013.
- ** All violations must be posted on CCR report for a period of five (5) years.