

ADDITIONAL HEALTH INFORMATION

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.

Contaminants that may be present in source water include:

(A) **Microbial contaminants**, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

(B) **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.

(C) **Pesticides and herbicides**, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.

(D) **Organic chemical contaminants**, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, it can also come from gas stations, urban storm water runoff, and septic systems.

(E) **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, the EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

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 the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

FOR CUSTOMERS WITH SPECIAL HEALTH CONCERNS

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/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

HOW TO REACH US

If you have any questions about this report or concerning your water utility, please contact your local FGUA office at (561) 996-6751 or visit our web site at www.southbay.com. The South Bay Utility Department is open from 8:00 AM until 5:00 PM, Monday through Friday.

The City of South Bay encourages its customers to become involved in decisions that may affect the quality of their drinking water.

SOURCE WATER ASSESSMENTS

The Florida Department of Environmental Protection (FDEP) performed a Source Water Assessment on our system in 2004. These assessments were conducted to provide information about any potential sources of contamination in the vicinity of our wells. There are six potential sources of contamination identified for this system with moderate to high susceptibility levels. The assessment results are available on the FDEP Source Water Assessment and Protection program website at

www.DEF.State.fl.us/swapp/lookup.asp



CITY OF SOUTH BAY PWS ID#4501911 2008 ANNUAL DRINKING WATER QUALITY REPORT

Este informe contiene información muy importante sobre su agua beber. Tradúscalo ó hable con un amigo quien lo entienda bien.

We're pleased to present to you this year's Annual Drinking Water Quality Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. If you have any questions or concerns about the information provided in this report, please feel free to call any of the numbers listed.

WHERE YOUR WATER COMES FROM

In 2008, there were two water sources for the City of South Bay, for the first quarter (January 2008 thru April 2008) covered in this report the source of water was surface water that is withdrawn from the Lake Okeechobee Border Canal. The water is treated by aeration, lime softening, coagulants and filtration. Finally, the water is disinfected using chlorine before it is delivered to the customers. Special note: The second water source, As of May 2008 the City of South Bay began receiving water from the Lake Region Water Treatment Plant. Attached is a copy of the Consumer Confidence Report for the Lake Region Water Treatment Plant provided by Palm Beach County Water Utilities

HOW WE ENSURE YOUR DRINKING WATER IS SAFE

The City of South Bay routinely monitors for contaminants in your drinking water according to Federal and State laws, rules, and regulations. Except where indicated otherwise, this report is based on the results of our monitoring for the period of January 1 to December 31, 2008. The state allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data in the water quality summary table are more than one year old but are based on the most recent water analysis performed and are representative of the water quality.

HOW TO READ THE TABLE

The terms used in the water quality summary table and in other parts of this report are defined below.

Action level (AL) – the concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

Maximum contaminant level or MCL – 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 – 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 – 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 – 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.

N/A – not applicable

ND – means not detected and indicates that the substance was not found by laboratory analysis.

ppm – parts per million or milligrams per liter is one part by weight of analyte to one million parts by weight of the water sample.

ppb – parts per billion or micrograms per liter is one part by weight of analyte to one billion parts by weight of the water sample.

pCi/l – picocuries per liter is a measure of the radioactivity in water

2008 WATER QUALITY SUMMARY TABLE – PWS ID NO. 4501911

Contaminant and Unit of Measurement	Dates of Sampling (mo/yr)	MCL Violation Y/N	Level Detected	MCLG	MCL	Range of Results	Likely Source of Contamination
Stage 1 Disinfectant and Disinfection By-products							
Chloramines (ppm)	1/08 - 4/08	N	2.4	4.0	4.0	0.72-2.32	Water additive used to control microbes
HAA5s (Haloacetic acids) (five) (ppb)	QUARTERLY	N	36.3	N/A	60	0-58.8	By-product of drinking water disinfection
TTHMs (Total trihalomethanes) (ppb)	QUARTERLY	N	81.1	N/A	80	0-102.7	By-product of drinking water disinfection
Chloramines (ppm)	5/08 - 12/08	N	3.2	4.0	4.0	0.72-2.32	Water additive used to control microbes
HAA5s (Haloacetic acids) (five) (ppb)	QUARTERLY	N	16.2	N/A	60	0-5.12	By-product of drinking water disinfection
TTHMs (Total trihalomethanes) (ppb)	QUARTERLY	N	42	N/A	80	0-2.93	By-product of drinking water disinfection
Lead and Copper (Tap Water)							
	Date of Sampling (month/yr)	AL Violation	90 th Percentile Result	No. of Sampling Sites Exceeding the AL	MCLG	AL (Action Level)	
Copper (tap water) (ppm)	5/08	N	0.002	0 Samples > AL	1.3	1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (tap water) (ppb)	5/08	N	0.047	0 Samples > AL	0	15	Corrosion of household plumbing systems, erosion of natural deposits
Copper (tap water) (ppm)	10/08	N	0.005	0 Samples > AL	1.3	1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (tap water) (ppb)	10/08	N	0.041	0 Samples > AL	0	15	Corrosion of household plumbing systems, erosion of natural deposits
Inorganic Contaminants							
	Date of Sampling (month/yr)	MCL Violation Y/N	Level Detected	Range of Results	MCLG	MCL	
Barium (ppm)	4/08	N	NONE DETECTED	N/A	2.0	2.0	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Cyanide (ppb)	4/08	N	NONE DETECTED	N/A	200	200	Discharge from steel/metal factories; Discharge from plastic and fertilizer factories
Fluoride (ppm)	4/08	N	NONE DETECTED	N/A	4	4	Erosion of natural deposits; discharge from fertilizer and aluminum factories. Water additive which promotes strong teeth when at optimum levels between 0.7 and 1.2 ppm.
Nitrate (as Nitrogen) (ppm)	4/08	N	NONE DETECTED	10	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Sodium (ppm)	4/08	N	NONE DETECTED	N/A	N/A	160	Salt water intrusion, leaching from soil
Contaminant and the Unit of Measurement							
	Date of Sampling (month/yr)	MCL Violation Y/N	The Highest Single Measurement	The Lowest Monthly % of Sampling Meeting Regulatory Limits	MCLG	MCL	
Turbidity (NTU)	1/08 – 4/08	N	NONE DETECTED	100%	N/A	TT	Soil Runoff
Secondary Contaminants							
	Dates of Sampling (month/yr)	TT Violation Y/N	Lowest Annual Average Monthly Removal Ratio	Range of Results	MCLG	MCL	
Total Organic Carbon (TOC) Ratio of % Removal	1/08 - 4/08	N	1.3	1.3-1.5	TT	TT Removal Ratio	Naturally present in the environment

As you can see in the table we sampled for turbidity, Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease causing organisms. These organisms include bacteria, viruses and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.

Lead-specific information: 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. The City of South Bay 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>.

More Definitions: NTU – Nephelometric Turbidity Units. Measuring the clarity of water, turbidity in excess of 5 NTU is just noticeable to the average person. TT - Treatment Technique – A required process intended to reduce the level of a contaminant in drinking water. IDSE - Initial Distribution System Evaluation (IDSE): An important part of the Stage 2 Disinfection Byproducts Rule (DBPR). The IDSE is a one-time study conducted by water systems to identify distribution system locations with high concentrations of Trihalomethanes (THMs) and Haloacetic acids (HAAs). Water systems will use results from the IDSE, in conjunction with their Stage 1 DBPR compliance monitoring data, to select compliance monitoring locations for the Stage 2 DBPR.