

What's In My Water?

According to federal and state laws, rules, and regulations, the City of Pinellas Park routinely monitors for contaminants in your drinking water. Except where indicated otherwise, this report is based on the results of our monitoring for the period of January 1, 2010, to December 31, 2010. Data obtained before January 1, 2010, and presented in this report are from the most recent testing done in accordance with the laws, rules, and regulations. We are pleased to report that during the past year, the water delivered to your home or business complied with all state and federal drinking water requirements. For your information, we have compiled the table below to show which substances were detected in your drinking water during 2010. Although all the substances listed below are under the Maximum Contaminant Level (MCL) set by the U.S. EPA, we feel it is important that you know exactly what was detected and how much of the substance was present in the water.

The state requires us to monitor for certain substances less than once per year because the concentrations of these substances do not change frequently. In these cases, the most recent sample data are included, along with the year in which the sample was taken.

**Results in the Level Detected column for radioactive contaminants, inorganic contaminants, and volatile organic contaminants are the highest average at any of the sampling points or the highest detected level at any sampling point, depending on the sampling frequency.

PRIMARY REGULATED CONTAMINANTS

Microbiological Contaminants

CONTAMINANT AND UNIT OF MEASUREMENT	MCL VIOLATION (YES/NO)	Pinellas Park		Pinellas County Utilities		Tampa Bay Water (TBW)		MCLG	MCL	LIKELY SOURCE OF CONTAMINATION
		DATE OF SAMPLING (MO./YR.)	HIGHEST MONTHLY PERCENTAGE	DATE OF SAMPLING (MO./YR.)	HIGHEST MONTHLY PERCENTAGE	DATE OF SAMPLING (MO./YR.)	HIGHEST MONTHLY PERCENTAGE			
Total Coliform Bacteria (% positive samples)	No	1/10-12/10	2	1/10-12/10	1.8	1/10-12/10	1	0	Presence of coliform bacteria in 5% of monthly samples	Naturally present in the environment

(PP & PCU) Total Coliform Bacteria: Highest Monthly Percentage/Number is the highest monthly percentage of positive samples for systems collecting at least 40 samples per month. *For systems collecting at least 40 samples per month: presence of coliform bacteria in 5% or more of monthly samples. (TBW) *For systems collecting fewer than 40 samples per month: presence of coliform bacteria in one or more samples collected during a month.

CONTAMINANT AND UNIT OF MEASUREMENT	MCL VIOLATION (YES/NO)	Pinellas Park			Pinellas County Utilities			Tampa Bay Water (TBW)			MCLG	MCL	LIKELY SOURCE OF CONTAMINATION
		DATE OF SAMPLING (MO./YR.)	HIGHEST SINGLE MEASUREMENT	LOWEST MONTHLY PERCENTAGE OF SAMPLES MEETING REGULATORY LIMITS	DATE OF SAMPLING (MO./YR.)	HIGHEST SINGLE MEASUREMENT	LOWEST MONTHLY PERCENTAGE OF SAMPLES MEETING REGULATORY LIMITS	DATE OF SAMPLING (MO./YR.)	HIGHEST SINGLE MEASUREMENT	LOWEST MONTHLY PERCENTAGE OF SAMPLES MEETING REGULATORY LIMITS			
Turbidity (NTU)	No	NA	NA	NA	NA	NA	NA	1/10-4/10	.31	100%	NA	TT	Soil runoff

NOTE: The result in the lowest monthly percentage column is the lowest monthly percentage of samples reported in the Monthly Operating Report meeting the required turbidity limits.

Radiological Contaminants

CONTAMINANT AND UNIT OF MEASUREMENT	MCL VIOLATION (YES/NO)	Pinellas Park			Pinellas County Utilities			Tampa Bay Water (TBW)			MCLG	MCL	LIKELY SOURCE OF CONTAMINATION
		DATE OF SAMPLING (MO./YR.)	LEVEL DETECTED	RANGE OF RESULTS	DATE OF SAMPLING (MO./YR.)	LEVEL DETECTED	RANGE OF RESULTS	DATE OF SAMPLING (MO./YR.)	LEVEL DETECTED	RANGE OF RESULTS			
Alpha Emitters (pCi/L)	No	NA	NA	NA	NA	NA	NA	3/10	6.2	NA	0	15	Erosion of natural deposits
Beta/Photon Emitters (pCi/L)	No	NA	NA	NA	NA	NA	NA	7/09	5.1	NA	0	Not Established	Decay of natural and man-made deposits
Radium 226 + 228 [Combined Radium] (pCi/L)	No	NA	NA	NA	3/08	0.9	ND-0.9	3/10	1.6	NA	0	5	Erosion of natural deposits
Uranium (ppb)	No	NA	NA	NA	NA	NA	NA	7/10	1.8	NA	0	30	Erosion of natural deposits

*EPA considers 50pCi/L to be the level of concern for beta particles. Beta results reported in pCi/L. Level detected is the highest detected level at sampling point.

Inorganic Contaminants

Antimony (ppb)	No	NA	NA	NA	NA	NA	NA	NA	NA	NA	6	6	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
Arsenic (ppb)	No	NA	NA	NA	2/10	0.3	0.2-0.3	NA	NA	NA	NA	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Barium (ppm)	No	NA	NA	NA	2/10	0.0161	0.0115-0.0161	4/10	.025	NA	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Beryllium (ppm)	No	NA	NA	NA	NA	NA	NA	3/10	3.6	NA	4	4	Discharge from metal refineries and coal-burning factories; discharge from electrical, aerospace, and defense industries.
Chromium (ppb)	No	NA	NA	NA	2/10	0.5	0.5	3/10	5	NA	100	100	Discharge from steel and pulp mills; erosion of natural deposits
Lead (point of entry) (ppb)	No	NA	NA	NA	NA	NA	NA	3/10, 4/10, 7/10, 11/10	1	ND-1	0	15	Residue from man-made pollution such as auto emissions and paint; lead pipe, casing and solder

Fluoride (ppm)	No	NA	NA	N/A	2.10	0.71	0.62-0.71	7/10	0.18	NA	4	4.0	Erosion of natural deposits; discharge from fertilizer and aluminum factories; water additive that promotes strong teeth when at optimum levels between 0.7 - and 1.3 ppm
Nickel (ppb)	No	NA	NA	NA	2/10	11	0.5-11	4/10	2	NA	NA	100	Pollution from mining and refining operations; natural occurrence in soil
Nitrate [as Nitrogen] (ppm)	No	NA	NA	NA	2/10	0.05	ND-0.05	1/10, 4/10 7/10, 11/10	3.41	3.13-3.41	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Nitrite [as Nitrogen] (ppm)	No	NA	NA	NA	NA	NA	NA	2/10, 3/10, 4/10, 7/10, 10/10, 11/10	0.05	ND-0.05	1	1	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Selenium (ppb)	No	NA	NA	NA	2/10	1	ND-1	NA	NA	NA	50	50	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Sodium (ppm)	No	NA	NA	NA	2/10	37.8	8.11-37.8	3/10	112	NA	NA	160	Salt water intrusion; leaching from soil

Stage 1 Disinfectants and Disinfection By-Products - For chlorine, the level detected is the highest running annual average (RAA), computed quarterly, of monthly averages of all samples collected. For haloacetic acids or TTHM, the level detected is the highest RAA, computed quarterly, of quarterly averages of all samples collected if the system is monitoring quarterly or is the average of all samples taken during the year if the system monitors less frequently than quarterly. Range of Results is the range of individual sample results (lowest to highest) for all monitoring locations, including Initial Distribution System Evaluation (IDSE) results as well as Stage 1 compliance results.

CONTAMINANT AND UNIT OF MEASUREMENT	MCL VIOLATION (YES/NO)	Pinellas Park			Pinellas County Utilities			Tampa Bay Water (TBW)			MCLG OR [MRDLG]	MCL OR [MRDL]	LIKELY SOURCE OF CONTAMINATION
		DATE OF SAMPLING (MO./YR.)	LEVEL DETECTED	RANGE OF RESULTS	DATE OF SAMPLING (MO./YR.)	LEVEL DETECTED	RANGE OF RESULTS	DATE OF SAMPLING (MO./YR.)	LEVEL DETECTED	RANGE OF RESULTS			
Bromate (ppb)	No	NA	NA	NA	NA	NA	NA	1/10-12/10	5.06	ND-12.9	0	10	By-product of drinking water disinfection
Chloramines (ppm)	No	1/10-12/10	2.64	0.3-3.5	NA	NA	NA	NA	NA	NA	[4]	[4.0]	Water additive used to control microbes
Chlorine (ppm)	No	1/10-12/10	2.39	0.2-3.5	1/10-12/10	3.6	9-5.8	NA	NA	NA	[4]	[4.0]	Water additive used to control microbes
Haloacetic Acids (five) [HAA5] (ppb)	No	3/10-11/10	10	6.5-11.6	1/10-12/10	22.9	5.3-37.4	1/10-12/10	5.1 (Avg.)	ND-16	NA	60	By-product of drinking water disinfection
TTHM [Total trihalomethanes] (ppb)	No	3/10-11/10	26.13	12.9-26.5	1/10-12/10	43.6	14.0-76.8	1/10-12/10	15.6 (Avg.)	3.7-31.8	NA	80	By-product of drinking water disinfection

CONTAMINANT AND UNIT OF MEASUREMENT	ACUTE VIOLATIONS (YES/NO)	Pinellas Park		Pinellas County Utilities		Tampa Bay Water (TBW)		MRDLG	MRDLG (AT THE ENTRANCE TO THE DISTRIBUTION SYSTEM)	LIKELY SOURCE OF CONTAMINATION
		DATE OF SAMPLING (MO./YR.)	LEVEL DETECTED	DATE OF SAMPLING (MO./YR.)	LEVEL DETECTED	DATE OF SAMPLING (MO./YR.)	LEVEL DETECTED			
Chlorine Dioxide (ppb)	No	NA	NA	NA	NA	1/10-4/10	706	800	800	Water additive used to control microbes

CONTAMINANT AND UNIT OF MEASUREMENT	MCL VIOLATION (YES/NO)	Pinellas Park			Pinellas County Utilities			Tampa Bay Water (TBW)			MCLG	MCL	LIKELY SOURCE OF CONTAMINATION
		DATE OF SAMPLING (MO./YR.)	HIGHEST MONTHLY AVERAGE (THREE SAMPLE SET COLLECTED IN THE DISTRIBUTION SYSTEM)	DATE OF SAMPLING (MO./YR.)	HIGHEST MONTHLY AVERAGE (THREE SAMPLE SET COLLECTED IN THE DISTRIBUTION SYSTEM)**	DATE OF SAMPLING (MO./YR.)	HIGHEST MONTHLY AVERAGE (THREE SAMPLE SET COLLECTED IN THE DISTRIBUTION SYSTEM)*						
Chlorite (ppm)	No	NA	NA	NA	NA	1/10-4/10	0.00755	0.8	1.0	By-product of drinking water disinfection			

*For Highest Monthly Average: three sample set collected in the distribution system. **For Highest Average: three sample set collected in the distribution system following a daily MCL exceedance at the entrance to the distribution system.

CONTAMINANT AND UNIT OF MEASUREMENT	TT VIOLATION (YES/NO)	Pinellas Park			Pinellas County Utilities			Tampa Bay Water (TBW)			MCLG	MCL	LIKELY SOURCE OF CONTAMINATION
		DATE OF SAMPLING (MO./YR.)	ANNUAL AVERAGE MONTHLY REMOVAL RATIO OR LOWEST ANNUAL AVERAGE MONTHLY REMOVAL RATIO	RANGE OF MONTHLY REMOVAL RATIOS	DATE OF SAMPLING (MO./YR.)	ANNUAL AVERAGE MONTHLY REMOVAL RATIO OR LOWEST ANNUAL AVERAGE MONTHLY REMOVAL RATIO	RANGE OF MONTHLY REMOVAL RATIOS	DATE OF SAMPLING (MO./YR.)	ANNUAL AVERAGE MONTHLY REMOVAL RATIO OR LOWEST ANNUAL AVERAGE MONTHLY REMOVAL RATIO	RANGE OF MONTHLY REMOVAL RATIOS			
Total Organic Carbon (ppm)	No	NA	NA	NA	NA	NA	NA	1/10-4/10	3.69	3.48-3.70	NA	TT	Naturally present in the environment

Lead and Copper (Tap water samples were collected from sites throughout the community) Pinellas County

CONTAMINANT AND UNIT OF MEASUREMENT	AL EXCEEDANCE (YES/NO)	DATE OF SAMPLING (MO./YR.)	90TH PERCENTILE RESULT	NO. OF SAMPLING SITES EXCEEDING THE AL	MCLG	AL (ACTION LEVEL)	LIKELY SOURCE OF CONTAMINATION
Copper [tap water] (ppm)	No	5/08-6/08	0.44	0	1.3	1.3	Corrosion of household plumbing systems, erosion of natural deposits; leaching from wood preservatives