

# ANNUAL WATER QUALITY REPORT

Water testing performed in 2016



PWS ID#:6521406



## Meeting the Challenge

The City of Pinellas Park is pleased to provide our annual Water Quality Report. This edition covers all testing completed from January 1, 2016 through December 31, 2016. The City's Public Utilities Division is committed to delivering drinking water that meets or exceeds all state and federal drinking water standards. Rest assured, we remain vigilant in meeting the challenge of source water protection, water conservation, and community education while continuing to serve the needs of all our water users. Should you ever have any questions, we are always available to assist you.

**ONCE AGAIN THE CITY OF PINELLAS PARK DRINKING WATER MEETS OR EXCEEDS ALL FEDERAL AND STATE REQUIREMENTS**

### Contaminants That May Be Present In Source Water

The sources of drinking water (both tap water and bottled water) includes 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.

**Contamination 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.

**Inorganic Contaminants**, such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.

**Pesticides and Herbicides**, which may come from a variety of sources, such as agriculture, urban stormwater runoff, and residential uses.

**Organic Chemical Contaminants**, including synthetic and

volatile organic chemicals, which are by-products of industrial processes and petroleum production and can also come from gas stations, urban stormwater runoff, and septic systems. **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 U.S. EPA prescribes regulations, which limit the amount of certain contaminants in water provided by public water systems. 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 water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the U.S. Environmental Protection Agency Drinking Water Hotline at (800) 426-4791.

### Source Water Assessment

Between 2004 and 2016 the Department of Environmental Protection performed a Source Water Assessment for Tampa Bay Water. The assessments were conducted to provide information about any potential sources of contamination in the vicinity of the TBW surface water intakes. The surface water system is considered to be at high risk because of many potential sources of contamination present in the assessment area. The assessment results are available on the FDEP Source Water Assessment and Protection Program website at [www.dep.state.fl.us/swapp](http://www.dep.state.fl.us/swapp) or they can be obtained from Tampa Bay Water, 2535 Landmark Drive, Clearwater, FL 33761, phone (727) 796-2355.

### Your Participation is Welcome!

For more information about your drinking water and opportunities to get more involved, please contact Marty Reich (727) 369-5622 email [mreich@pinellas-park.com](mailto:mreich@pinellas-park.com) or mail at 6051 78th Avenue, Pinellas Park, FL 33781. City Council meets the 2nd & 4th Thursday of each month.

## 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, 2016 to December 31, 2016. Data obtained before January 1, 2016 and presented in this report are from the most recent testing done in accordance to 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 2016. Although 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 of any of the sampling points or the highest detected level at any sampling point, depending on the sampling frequency.

| PRIMARY REGULATED CONTAMINANTS  |                        |                            |   |  |  |                            |  |                            |   |  |      |     |                                |
|---|------------------------|----------------------------|---|--|--|----------------------------|--|----------------------------|---|--|------|-----|--------------------------------|
| Microbiological Contaminants  |                        |                            |   |  |  |                            |  |                            |   |  |      |     |                                |
|   |                        | Pinellas Park              |   | Pinellas County Utilities                                      |  | Tampa Bay Water (TBW)      |  |                            |   |  |      |     |                                |
| CONTAMINANT AND UNIT OF MEASUREMENT   | MCL VIOLATION (YES/NO) | DATE OF SAMPLING (MO./YR.) | HIGHEST MONTHLY PERCENTAGE (until March 31, 2016) | DATE OF SAMPLING (MO./YR.)                                     | HIGHEST MONTHLY PERCENTAGE/NUMBER (until March 31, 2016) RESULTS | DATE OF SAMPLING (MO./YR.) | HIGHEST MONTHLY PERCENTAGE                                     | MCLG                       | MCL   | LIKELY SOURCE OF CONTAMINATION                                 |      |     |                                |
| Total Coliform Bacteria (positive samples until March 31, 2016)   | No                     | 1/16-3/16                  | 0   | 1/16-3/16  | 1.1  | N/A                        | N/A  | 0                          | For systems collecting at least 40 samples per month: presence of coliform bacteria in >5% of monthly samples. *  | Naturally present in the environment                           |      |     |                                |
| CONTAMINANT AND UNIT OF MEASUREMENT   | TT VIOLATION (YES/NO)  | DATE OF SAMPLING (MO./YR.) | HIGHEST MONTHLY PERCENTAGE (April 1, 2016)        | DATE OF SAMPLING (MO./YR.)                                     | HIGHEST MONTHLY PERCENTAGE/NUMBER (April 1, 2016) RESULTS        | DATE OF SAMPLING (MO./YR.) | HIGHEST MONTHLY PERCENTAGE                                     | MCLG                       | TT  | LIKELY SOURCE OF CONTAMINATION                                 |      |     |                                |
| Total Coliform Bacteria (beginning April 1, 2016)   | No                     | 4/16-12/16                 | 1.7%  | 4/16-12/16   | 5.0%**   | N/A                        | N/A  | N/A                        | TT  | Naturally present in the environment                           |      |     |                                |
| * Pinellas Park Utilities collects at least 56 water samples each month for Total Coliform Bacteria Analysis. Pinellas County Utilities collects at least 180 water samples each month for Total Coliform Bacteria Analysis |                        |                            |   |  |  |                            |  |                            |   |  |      |     |                                |
| ** Unsatisfactory sample results due to a sample collection error during 11/2016.   |                        |                            |   |  |  |                            |  |                            |   |  |      |     |                                |
| Note: Revised Total Coliform Rule went into effect April 1, 2016.   |                        |                            |   |  |  |                            |  |                            |   |  |      |     |                                |
| CONTAMINANT AND UNIT OF MEASUREMENT   | MCL VIOLATION (YES/NO) | DATE OF SAMPLING (MO./YR.) | TOTAL NUMBER OF POSITIVE SAMPLES FOR THE YEAR     | DATE OF SAMPLING (MO./YR.)                                     | TOTAL NUMBER OF POSITIVE SAMPLES FOR THE YEAR                    | DATE OF SAMPLING (MO./YR.) | HIGHEST MONTHLY PERCENTAGE                                     | MCLG                       | MCL   | LIKELY SOURCE OF CONTAMINATION                                 |      |     |                                |
| Fecal coliform and <i>E.coli</i> in the distribution system (positive samples) until March 31, 2016   | No                     | 1/16-3/16                  | 0   | 1/16-3/16  | 0  | N/A                        | N/A  | 0                          | 0   | Human and animal fecal waste                                   |      |     |                                |
| CONTAMINANT   | MCL VIOLATION (YES/NO) | DATE OF SAMPLING (MO./YR.) | TOTAL NUMBER OF POSITIVE SAMPLES FOR THE YEAR     | DATE OF SAMPLING (MO./YR.)                                     | TOTAL NUMBER OF POSITIVE SAMPLES FOR THE YEAR                    | DATE OF SAMPLING (MO./YR.) | HIGHEST MONTHLY PERCENTAGE                                     | MCLG                       | MCL   | LIKELY SOURCE OF CONTAMINATION                                 |      |     |                                |
| <i>E.coli</i> (beginning April 1, 2016)   | No                     | 4/16-12/16                 | 0   | 4/16-12/16   | 0  | N/A                        | N/A  | 0                          | Routine and repeat samples are total coliform-positive and either is <i>E.coli</i> -positive or system fails to take repeat samples following <i>E.coli</i> -positive routine sample or system fails to analyze total coliform-positive repeat sample for <i>E.coli</i> | Human and animal fecal waste                                   |      |     |                                |
|   |                        | Pinellas Park              |   |  | Pinellas County Utilities  |                            |  | Tampa Bay Water (TBW)      |   |  |      |     |                                |
| CONTAMINANT AND UNIT OF MEASUREMENT   | MCL VIOLATION (YES/NO) | 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 | MCLG | MCL | LIKELY SOURCE OF CONTAMINATION |
| Turbidity (NTU)   | No                     | N/A                        | N/A   | N/A  | N/A  | N/A                        | N/A  | 1/16-12/16                 | 1.0   | 100  | N/A  | 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 in the required turbidity limits.

| Radioactive Contaminants            |                        |                            |                |                  |                            |                |                  |                            |                |                  |      |     |                                |
|-------------------------------------|------------------------|----------------------------|----------------|------------------|----------------------------|----------------|------------------|----------------------------|----------------|------------------|------|-----|--------------------------------|
|                                     | Pinellas Park          |                            |                |                  | Pinellas County Utilities  |                |                  | Tampa Bay Water (TBW)      |                |                  |      |     |                                |
| CONTAMINANT AND UNIT OF MEASUREMENT | MCL VIOLATION (YES/NO) | 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 | MCLG | MCL | LIKELY SOURCE OF CONTAMINATION |
| Alpha Emitters (pCi/L)              | No                     | N/A                        | N/A            | N/A              | 3/11                       | 0.806          | ND-0.806         | 4/16                       | 4.4            | 0.7-4.4          | 0    | 15  | Erosion of natural deposits    |
| Radium 226+228 (pCi/L)              | No                     | N/A                        | N/A            | N/A              | 3/11                       | 0.806          | ND-0.806         | 4/16                       | 4.1            | 1.0-4.1          | 0    | 5   | Erosion of natural deposits    |
| Uranium (ug/L)                      | No                     | N/A                        | N/A            | N/A              | 3/11                       | 0.806          | ND-0.806         | 4/16                       | 0.7            | N/A              | 0    | 30  | Erosion of natural deposits    |

| Inorganic Contaminants              |                        |                            |                |                  |                            |                |                  |                            |                |                  |      |     |  |
|-------------------------------------|------------------------|----------------------------|----------------|------------------|----------------------------|----------------|------------------|----------------------------|----------------|------------------|------|-----|--|
|                                     | Pinellas Park          |                            |                |                  | Pinellas County Utilities  |                |                  | Tampa Bay Water (TBW)      |                |                  |      |     |  |
| CONTAMINANT AND UNIT OF MEASUREMENT | MCL VIOLATION (YES/NO) | 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 | MCLG | MCL | LIKELY SOURCE OF CONTAMINATION   |
| Barium (ppm)                        | No                     | N/A                        | N/A            | N/A              | 2/16                       | 0.0151         | N/A              | N/A                        | N/A            | N/A              | 2    | 2   | Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits   |
| Chromium (ppb)                      | No                     | N/A                        | N/A            | N/A              | 2/16                       | 2.3            | N/A              | N/A                        | N/A            | N/A              | 100  | 100 | Discharge from steel and pulp mills; erosion of natural deposits   |
| Fluoride (ppm)                      | No                     | N/A                        | N/A            | N/A              | 2/16                       | 0.43           | N/A              | N/A                        | N/A            | N/A              | 4    | 4.0 | Erosion of natural deposits; discharge from fertilizer and aluminum factories. Water additive which promotes strong teeth when at the optimum level of 0.7 ppm |
| Nickel (ppb)                        | No                     | N/A                        | N/A            | N/A              | 2/16                       | 1.2            | N/A              | N/A                        | N/A            | N/A              | N/A  | 100 | Pollution from mining and refining operations. Natural occurrence in soil  |
| Nitrate [as Nitrogen] (ppm)         | No                     | N/A                        | N/A            | N/A              | 2/16                       | 0.1            | N/A              | 1/15, 4/15, 7/15, 10/15    | .05            | ND-.05           | 10   | 10  | Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits  |
| Sodium (ppm)                        | No                     | N/A                        | N/A            | N/A              | 2/16                       | 19.6           | N/A              | N/A                        | N/A            | N/A              | N/A  | 160 | Salt water intrusion; leaching from soil   |

| Synthetic Organic Contaminants      |                                |                            |                |                  |                            |                |                  |                            |                |                  |      |     |   |
|-------------------------------------|--------------------------------|----------------------------|----------------|------------------|----------------------------|----------------|------------------|----------------------------|----------------|------------------|------|-----|---|
|                                     | Pinellas Park                  |                            |                |                  | Pinellas County Utilities  |                |                  | Tampa Bay Water (TBW)      |                |                  |      |     |   |
| CONTAMINANT AND UNIT OF MEASUREMENT | MCL OR MRDL VIOLATION (YES/NO) | 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 | MCLG | MCL | LIKELY SOURCE OF CONTAMINATION              |
| Dalapon (ppb)                       | No                             | N/A                        | N/A            | N/A              | 3/14, 6/14, 8/14, 10/14    | 1.8            | ND-1.8           | 1/16-4/16                  | 0.74           | ND-0.74          | 200  | 200 | Runoff from herbicide used on rights of way |

**Stage 1 Disinfectants and Disinfection By-Products-**For Chloramines, or Chlorine, the level detected is the highest running annual average (RAA), computed quarterly, of monthly averages of all samples collected. The range of results is the highest and lowest result of all the individual samples collected during the past year.

|                                      | Pinellas Park                  |                            |                |                  | Pinellas County Utilities  |                |                  | Tampa Bay Water (TBW)      |                |                  |       |      |   |
|--------------------------------------|--------------------------------|----------------------------|----------------|------------------|----------------------------|----------------|------------------|----------------------------|----------------|------------------|-------|------|---|
| DISINFECTANT AND UNIT OF MEASUREMENT | MCL OR MRDL VIOLATION (YES/NO) | 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 | MRDLG | MRDL | LIKELY SOURCE OF CONTAMINATION            |
| Bromate (ppb)                        | No                             | N/A                        | N/A            | N/A              | N/A                        | N/A            | N/A              | 1/16-12/16                 | 2.20           | 0.80-6.49        | 0     | 10   | By-product of drinking water disinfection |
| Chlorine and Chloramines (ppm)       | No                             | 1/16-12/16                 | 2.2            | 0.7-4.5          | 1/16-12/16                 | 3.8            | 0.6-6.0          | N/A                        | N/A            | N/A              | 4     | 4.0  | Water additive used to control microbes   |

For bromate the level detected is the highest running annual average (RAA), computed quarterly, of monthly averages of all samples collected.

|  |  |  |  |  |  |  |  |  |  |  |  | Pinellas Park |  | Pinellas County Utilities |  | Tampa Bay Water (TBW) |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|---------------|--|---------------------------|--|-----------------------|--|--|--|--|--|
|--|--|--|--|--|--|--|--|--|--|--|--|---------------|--|---------------------------|--|-----------------------|--|--|--|--|--|

| CONTAMINANT AND UNIT OF MEASUREMENT | ACUTE VIOLATIONS (YES/NO) | NON-ACUTE VIOLATIONS (YES/NO) | DATE OF SAMPLING (MO./YR.) | LEVEL DETECTED | DATE OF SAMPLING (MO./YR.) | LEVEL DETECTED | DATE OF SAMPLING (MO./YR.) | LEVEL DETECTED | MRDLG | MRDL | LIKELY SOURCE OF CONTAMINATION          |
|-------------------------------------|---------------------------|-------------------------------|----------------------------|----------------|----------------------------|----------------|----------------------------|----------------|-------|------|---|
| Chlorine Dioxide (ppb)              | No                        | No                            | N/A                        | N/A            | N/A                        | N/A            | 4/16                       | 0.70           | 800   | 800  | Water additive used to control microbes |

For chlorine dioxide, the level detected is the highest single daily sample collected at the entrance to the distribution system.

|  |  |  |  |  |  |  |  |  |  |  |  | Pinellas Park |  | Pinellas County Utilities |  | Tampa Bay Water (TBW) |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|---------------|--|---------------------------|--|-----------------------|--|--|--|--|--|
|--|--|--|--|--|--|--|--|--|--|--|--|---------------|--|---------------------------|--|-----------------------|--|--|--|--|--|

| CONTAMINANT AND UNIT OF MEASUREMENT | MCL VIOLATION (YES/NO) | DATE OF SAMPLING (MO./YR.) | HIGHEST AVERAGE | DATE OF SAMPLING (MO./YR.) | HIGHEST AVERAGE | DATE OF SAMPLING (MO./YR.) | HIGHEST MONTHLY AVERAGE* | HIGHEST AVERAGE** | MCLG | MCL | LIKELY SOURCE OF CONTAMINATION            |
|-------------------------------------|------------------------|----------------------------|-----------------|----------------------------|-----------------|----------------------------|--------------------------|-------------------|------|-----|---|
| Chlorite (ppm)                      | No                     | N/A                        | N/A             | N/A                        | N/A             | 1/16-12/16                 | 0.0082                   | N/A               | 0.8  | 1.0 | By-product of drinking water disinfection |

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

|  |  |  |  |  |  |  |  |  |  |  |  | Pinellas Park |  | Pinellas County Utilities |  | Tampa Bay Water (TBW) |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|---------------|--|---------------------------|--|-----------------------|--|--|--|--|--|
|--|--|--|--|--|--|--|--|--|--|--|--|---------------|--|---------------------------|--|-----------------------|--|--|--|--|--|

| CONTAMINANT AND UNIT OF MEASUREMENT | TT VIOLATION (YES/NO) | DATE OF SAMPLING (MO./YR.) | LOWEST RUNNING ANNUAL AVERAGE* | RANGE OF MONTHLY REMOVAL RATIOS | DATE OF SAMPLING (MO./YR.) | LOWEST RUNNING ANNUAL AVERAGE* | RANGE OF MONTHLY REMOVAL RATIOS | DATE OF SAMPLING (MO./YR.) | LOWEST RUNNING ANNUAL AVERAGE* | RANGE OF MONTHLY REMOVAL RATIOS | MCLG | MCL | LIKELY SOURCE OF CONTAMINATION       |
|-------------------------------------|-----------------------|----------------------------|--------------------------------|---------------------------------|----------------------------|--------------------------------|---------------------------------|----------------------------|--------------------------------|---------------------------------|------|-----|--------------------------------------|
| Total Organic Carbon (ppm)          | No                    | N/A                        | N/A                            | N/A                             | N/A                        | N/A                            | N/A                             | 1/16-12/16                 | 3.6                            | 1.72-3.8                        | N/A  | TT  | Naturally present in the environment |

\*Lowest Running Annual Average computed quarterly

**Stage 2 Disinfectants and Disinfection By-Products**

|  |  |  |  |  |  |  |  |  |  |  |  | Pinellas Park |  | Pinellas County Utilities |  | Tampa Bay Water (TBW) |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|---------------|--|---------------------------|--|-----------------------|--|--|--|--|--|
|--|--|--|--|--|--|--|--|--|--|--|--|---------------|--|---------------------------|--|-----------------------|--|--|--|--|--|

| CONTAMINANT AND UNIT OF MEASUREMENT | MCL OR MRDL VIOLATION (YES/NO) | 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 | MCLG | MCL | LIKELY SOURCE OF CONTAMINATION            |
|-------------------------------------|--------------------------------|----------------------------|----------------|------------------|----------------------------|----------------|------------------|----------------------------|----------------|------------------|------|-----|---|
| Haloacetic Acids [HAA5] (ppb)       | No                             | 2/16, 5/16, 8/16, 11/16    | 24.48          | 16.27-29.95      | 2/16, 5/16, 8/16, 11/16    | 27.70          | 18.00-49.90      | N/A                        | N/A            | N/A              | N/A  | 60  | By-product of drinking water disinfection |
| Total Trihalomethanes [TTHM] (ppb)  | No                             | 2/16, 5/16, 8/16, 11/16    | 37.87          | 22.3-40.8        | 2/16, 5/16, 8/16, 11/16    | 42.17          | 24.30-46.60      | N/A                        | N/A            | N/A              | N/A  | 80  | By-product of drinking water disinfection |

**Lead and Water (Tap Water)**

|  |  |  |  |  |  |  |  |  |  |  |  | Pinellas Park |  | Pinellas County Utilities |  | Tampa Bay Water (TBW) |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|---------------|--|---------------------------|--|-----------------------|--|--|--|--|--|
|--|--|--|--|--|--|--|--|--|--|--|--|---------------|--|---------------------------|--|-----------------------|--|--|--|--|--|

| CONTAMINANT AND UNIT OF MEASUREMENT | AL EXCEEDED (YES/NO) | DATE OF SAMPLING (MO./YR.) | 90th PERCENTILE RESULT | No. OF SAMPLING SITES EXCEEDING THE AL | DATE OF SAMPLING (MO./YR.) | 90th PERCENTILE RESULT | No. OF SAMPLING SITES EXCEEDING THE AL | 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                   | 7/14                       | 0.42                   | 0                                      | 6/14-7/14                  | 0.41                   | 0                                      | N/A                        | N/A                    | N/A                                    | 1.3  | 1.3               | Corrosion of household plumbing systems, erosion of natural deposits; leaching from wood preservatives |
| Lead (tap water) (ppb)              | No                   | 7/14                       | ND                     | 1                                      | 6/14-7/14                  | 0.8                    | 0                                      | N/A                        | N/A                    | N/A                                    | 0    | 15                | Corrosion of household plumbing systems, erosion of natural deposits                                   |

## Lead and Drinking Water

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 Pinellas Park 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 (800) 426-4791 or at [www.epa.gov/safewater/lead](http://www.epa.gov/safewater/lead).

### Abbreviations and Water Quality Terms

To help you better understand the abbreviations and terms in the Water Quality Analysis table located on the center page we have provided the following definitions:

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

**NH<sub>2</sub>Cl (Chloramine):** A compound made by chemically combining chlorine and ammonia. Monochloramine, one of three possible combinations, is the desired chloramine from for disinfection of potable water.

**Cl (Chlorine):** An element used in gaseous form that readily combines with other elements in water to disinfect potable water.

**HAAs (Haloacetic Acids):** A group of disinfection by-products formed as a result of the chemical disinfection of water.

**IDSE (Initial Distribution System Evaluation):** An important part of the Stage 2 Disinfection By-Products 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.

### Where Does My Water Come From?

The City of Pinellas Park is a consecutive water system which relies on purchased processed water from the Pinellas County Water System. Pinellas County Utilities receives potable drinking water from sources managed by the regional water supplier, Tampa Bay Water. This regional, potable water supply is a blend composed of ground water, treated surface water, and desalinated seawater. Thirteen different well fields pumping water from the Floridan Aquifer are the primary source for the regional ground water supply. Ground water is also provided to Pinellas County's water customers from the Eldridge-Wilds Well Fields located in northeastern Pinellas County. The Alafia River, C.W. Bill Young

in conjunction with their Stage 1 DBPR compliance monitoring data, to select compliance monitoring locations for the Stage 2 DBPR.

**MCL (Maximum Contaminant Level):** 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.

**MCLG (Maximum Contaminant Level Goal):** 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.

**MFL (Million Fibers Per Liter):** Measure of the presence of asbestos fibers that are larger than 10 micrometers.

**MRDL (Maximum Residual Disinfectant Level):** 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.

**MRDLG (Maximum Residual Disinfectant Level Goal):** The level of a drinking water disinfectant below which there is no known or expected health risk. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Regional Reservoir, the Hillborough river, and the Tampa Bypass Canal are the primary suppliers of the regional, treated surface water supply. Hillsborough Bay is the primary source of seawater for the regional desalinated supply. The Tampa Bay processed blend water received by Pinellas County is treated with polyphosphates to inhibit pipeline corrosion. The Eldridge-Wilde Well Field water received by Pinellas County Utilities also undergoes further treatment including hydrogen sulfide removal, corrosion control, chloramine disinfection, and PH adjustment. If you would like a copy please contact Pinellas County Water (727) 464-4000 or visit [www.pinellascounty.org/utilities](http://www.pinellascounty.org/utilities) and Tampa Bay Water (727) 796-2355.

**N/A:** Not applicable.

**ND (Not Detected):** Indicated that the substance was not found by laboratory analysis.

**NTU (Nephelometric Turbidity Units):** Measurement of the clarity or turbidity, of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

**pCi/L (picocuries per liter):** A measure of radioactivity.

**ppb (parts per billion):** One part substance per billion parts water (or micro-grams per liter).

**ppm (parts per million):** One part substance per million parts water (or milligrams per liter).

**TT (Treatment Technique):** A required process intended to reduce the level of contaminant in drinking water.

**TTHMs (Total Trihalomethanes):** A group of disinfection by-products formed as a result of the chemical disinfection of water.

**Turbidity:** Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system. High turbidity can hinder the effectiveness of disinfectants.

### Important Health Information

Some people may be more vulnerable to contaminants in drinking water than the general population. Immune-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 may be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The U.S. EPA/CD (Centers for Disease Control and Prevention) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from Safe Drinking Water Hotline (800) 426-4791 or at [www.epa.gov/safewater/hotline](http://www.epa.gov/safewater/hotline).