# 2024 Columbus AFB Drinking Water Quality Report

We are pleased to present the 2024 Annual Water Quality Report (Consumer Confidence Report) as required by the Safe Drinking Water Act (SDWA). This report is designed to provide details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. This report is a snapshot of last year's water quality. We are committed to providing you with information because informed customers are our best allies.

Sections of this document have required language generated by the Mississippi State Department of Health. This mandated language is compiled alongside base specific information and sampling results. Guidance for this report is published on <u>https://pws.mswater.us/</u>. Additional information can be found by accessing Columbus Light & Water's (CL&W) 2024 Consumer Confidence Report.

## **Spanish (Espanol)**

Este informe contiene informacion muy importante sobre la calidad de su agua potable. Por favor lea este informe o comuniquese con alguien que pueda traducir la informacion.

#### Is my water tested for contaminants?

Drinking Water on Columbus AFB is routinely monitored for contaminants according to federal and state laws. All samples for the Columbus AFB distribution system are taken by the Bioenvironmental Engineering Flight and analyzed by the Mississippi State Department of Health. Additional sampling is completed by the water provider, Columbus Light and Water Company (CL&W). All results for 2024 are summarized in the Water Quality Data Table below.

## Do I need to take special precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised people such as people undergoing chemotherapy, people 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 and Centers for Disease Control guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

#### Where does my water come from?

The Columbus AFB water supply is treated and distributed by CL&W. The water is drawn from eight wells supplied by the lower Tuscaloosa Aquifer, a groundwater source, and is stored in various places on base, e.g., water towers. No further treatment is done by base personnel.

#### Source water assessment and its availability

An inspection of the Columbus AFB water supply in Lowndes County was completed on 26 June 2023 for compliance with the Ground Water Rule. Columbus AFB water supply received an overall capacity rating of 5.0 out of a possible 5.0 points. The next Sanitary Survey for compliance of the Ground Water Rule will be carried out in 2025. No significant deficiencies were identified during this inspection.

## Why would there be contaminants in my drinking water?

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 EPA's Safe Drinking Water Hotline (800-426-4791).

#### Lead service line inventory statement

The Columbus AFB water system has completed the Lead Service Line Inventory, and no lead lines were found. The methods used to make that determination were visual inspections completed by the 14 Civil Engineering Squadron.

## Lead Educational Statement

This statement is generated and required by the Mississippi State Department of Health.

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. Columbus Air Force Base is responsible for providing high quality drinking water and removing lead pipes but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and wish to have your water tested, contact Bioenvironmental Engineering at 662-434-2284.

Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <u>http://www.epa.gov/safewater/lead</u>. The MS Public Health Laboratory (MPHL) can provide information on lead and copper testing and/or other laboratories certified to analyze lead and copper in drinking water. MPHL can be reached at 601-576-7582 (Jackson, MS).

## Fluoridation

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", CL&W is required to report certain results pertaining to fluoridation of our water system. The number of months in the previous calendar year in which average fluoride sample results were within the optimal range of 0.6 - 1.2 parts per million (ppm) was **11**. The percentage of fluoride samples collected in the previous calendar year within the optimal range of 0.6 - 1.2 parts per million (ppm) was **11**. The percentage of fluoride samples collected in the previous calendar year within the optimal range of 0.6 - 1.2 ppm was **100%**. The number of months that samples were collected and analyzed in the previous calendar year was **11**.

## **Total Coliform**

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other potentially harmful bacteria may be present. If coliforms were found in more samples than allowed, it would indicate a warning of potential problems.

# What are per- and polyfluoroalkyl substances and where do they come from?

Per- and polyfluoroalkyl substances (PFAS) are a group of thousands of man-made chemicals. PFAS have been used in a variety of industrial and consumer products around the globe, including in the U.S., since the 1940s. PFAS have been used to make coatings and products that are used as oil and water repellents for carpets, clothing, food packaging, and cookware. They are also contained in some fire-fighting foams such as aqueous film-forming foam, or AFFF, used for fighting petroleum fires.

## Is there a federal regulation for PFAS in drinking water?

On April 26, 2024, the EPA published a final National Primary Drinking Water Regulation for certain PFAS under the SDWA. This rule went into effect on June 25, 2024, with a compliance deadline of April 26, 2029, five years from the date up publication. While the rule requires routine sampling for certain PFAS by no later than 2027, DoD has been sampling drinking water for PFAS compounds at all DoD-owned and operated water systems since 2017. Under the new rule, the following limits, called Maximum Contaminant Levels (MCL), were established, and DoD water systems will need to meet these levels by April 2029.

| PFAS  | MCL                |
|---|--------------------|
| PFOA  | 4.0 ppt            |
| PFOS  | 4.0 ppt            |
| PFHxS   | 10 ppt             |
| HFPO-DA (GenX)  | 10 ppt             |
| PFNA  | 10 ppt             |
| PFBS  | n/a                |
| Mixture of two or more: PFHxS, PFNA, HFPO-<br>DA, and PFBS <sup>1</sup> | HI of 1 (unitless) |

\*Acronyms can be found in the Regulated Contaminant Table

## Has Columbus AFB tested its water for PFAS?

Yes. In October 2021 samples were collected from the Columbus AFB Clear Well and the Shuqualak Fire Department. We are informing you that drinking water testing results were below the MCL for all 6 PFAS compounds covered by the EPA drinking water rule, including PFOA and PFOS. The water system will be periodically resampled as required by the EPA PFAS drinking water rule to ensure continued compliance.

Prior Columbus AFB Consumer Confidence Reports have stated PFAS compounds would be tested every 3 years. This has since been updated and further guidance will determine future sampling requirements.

# Water Quality Data Table

To ensure that tap water is safe to drink, EPA prescribes regulations which limit the number of contaminants in water provided by public water systems. The table below lists all the drinking water contaminants that were detected during the calendar year of this report. All sources of drinking water contain some naturally occurring contaminants. At low levels, these substances are generally not harmful in our drinking water. Removing all contaminants would be extremely expensive, and in most cases, would not provide increased protection of public health. A few naturally occurring minerals may improve the taste of drinking water and have nutritional value at low levels. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires monitoring for certain contaminants less than once per year because the concentrations of these contaminants do not vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. As such, some of our data, though representative, may be more than one year old. In this table, you will find terms and abbreviations that might not be familiar to you. To help you better understand these terms, we've provided the definitions below the table.

|  |              |             |                      | Ra         | nge         |   |                  |   |  |
|--|--------------|-------------|----------------------|------------|-------------|---|------------------|---|--|
| <u>Contaminants</u>                      | <u>MCLG</u>  | <u>MCL</u>  | <u>Your</u><br>Water | <u>Low</u> | <u>High</u> | <u>Sample</u><br><u>Date</u><br>(Frequency) | <u>Violation</u> | <u>Typical Source</u>                   |  |
| Disinfectants & Disinfectant By-Products |              |             |                      |            |             |   |                  |   |  |
| (There is convincing evidence that       | t addition o | of a disinf | fectant is ne        | cessar     | y for co    | ontrol of micro                             | obial contar     | ninants)                                |  |
| Haloacetic Acids (HAA5) (ppb)            | NA           | 60          | 1.43                 | NA         | NA          | 28 May 24<br>(Annually)                     |                  | By-product of chlorination              |  |
| TTHMs [Total Trihalomethanes]<br>(ppb)   | NA           | 80          | 9.23                 | NA         | NA          | 28 May 24<br>(Annually)                     |                  | By-product of<br>disinfection           |  |
| Chlorine (as Cl2) (mg/L)                 | 4            | 4           | 1.40                 | 0.43       | 1.74        | Monthly 24'                                 | No               | Water additive for<br>microbial control |  |

## **Regulated Contaminants**

| <u>Contaminants</u>    | MCLG  | MCL      | <u>Your</u><br><u>Water</u> | <u>Sample Date</u><br>(Frequency) | Violation | <u>Typical Source</u>   |
|------------------------|-------|----------|-----------------------------|-----------------------------------|-----------|---|
| Inorganic Contaminants |       | <u> </u> | <u>.</u>                    |                                   |           |   |
| Barium (ppm)           | 2     | 2        | 0.0078                      | 27 Sep 2022<br>(Every 3 years)    | No        | Discharge of drilling<br>wastes; Discharge<br>from metal refineries;<br>Erosion of natural<br>deposits  |
| Antimony (ppm)         | 0.006 | 0.006    | <0.0005                     | 27 Sep 2022<br>(Every 3 years)    | No        | Discharge from<br>petroleum refineries;<br>fire retardants;<br>ceramics; electronics;<br>solder   |
| Arsenic (ppm)          | 0     | 0.010    | <0.0005                     | 27 Sep 2022<br>(Every 3 years)    | No        | Erosion of natural<br>deposits; Runoff from<br>orchards; Runoff<br>from glass and<br>electronics production<br>wastes                                 |
| Beryllium (ppm)        | 0.004 | 0.004    | <0.0005                     | 27 Sep 2022<br>(Every 3 years)    | No        | Discharge from metal<br>refineries and coal-<br>burning factories;<br>Discharge from<br>electrical, aerospace,<br>and defense industries              |
| Cyanide (ppm)          | 0.2   | 0.2      | <0.015                      | 9 May 2022<br>(Every 3 years)     | No        | Discharge from steel<br>metal factories;<br>discharge from plastic<br>and fertilizer factories  |
| Cadmium (ppm)          | 0.005 | 0.005    | <0.0005                     | 27 Sep 2022<br>(Every 3 years)    | No        | Corrosion of<br>galvanized pipes;<br>Erosion of natural<br>deposits; Discharge<br>from metal refineries;<br>Runoff from waste<br>batteries and paints |
| Chromium (ppm)         | 0.1   | 0.1      | <0.0005                     | 27 Sep 2022<br>(Every 3 years)    | No        | Discharge from steel<br>and pulp mills;<br>Erosion of natural<br>deposits   |

| Mercury (ppm)                           | 0.002  | 0.002 | <0.0005 | 27 Sep 2022<br>(Every 3 years) | No    | Erosion of natural<br>deposits; Discharge<br>from refineries and<br>factories; Runoff<br>from landfills and<br>cropland |
|---|--------|-------|---------|--------------------------------|-------|---|
| Fluoride (ppm)                          | 4      | 4     | 0.689   | 27 Sep 2022<br>(Every 3 years) | No    | Water additive which<br>promotes strong teeth,<br>Discharge from<br>fertilizer and<br>aluminum factories                |
| Selenium (ppm)                          | 0.05   | 0.05  | <0.0005 | 27 Sep 2022<br>(Every 3 years) | No    | Discharge from<br>petroleum and metal<br>refineries; Erosion of<br>natural deposits;<br>Discharge from mines            |
| Thallium (ppm)                          | 0.0005 | 0.002 | <0.0005 | 27 Sep 2022<br>(every 3 years) | No    | Leaching from ore-<br>processing sites;<br>Discharge from<br>electronics, glass, and<br>drug factories                  |
| Nitrate (ppm)                           | 10     | 10    | <0.08   | 19 Mar 2024<br>(Annually)      | No    | Runoff from fertilizer<br>use; Leaching from<br>septic tanks, sewage;<br>Erosion of natural<br>deposits                 |
| Nitrite (ppm)                           | 1      | 1     | <0.02   | 19 Mar 2024<br>(Annually)      | No    | Runoff from fertilizer<br>use; Leaching from<br>septic tanks, sewage;<br>Erosion of natural<br>deposits                 |
| Nitrate-Nitrite (ppm)                   | N/A    | 10    | <0.1    | 19 Mar 2024<br>(Annually)      | No    | Runoff from fertilizer<br>use; Leaching from<br>septic tanks, sewage;<br>Erosion of natural<br>deposits                 |
| Microbiological Contaminants            |        |       |         |                                | ·<br> |   |
| Total Coliform (positive samples/month) | 0      | 0     | 0       | Monthly 2024                   | No    | Naturally present in the environment  |

| Radioactive Contaminants             |       |       |      |                              |    |   |
|--------------------------------------|-------|-------|------|------------------------------|----|---|
| Combined Uranium (ppb)               | 0     | 30    | <0.5 | 2018<br>(Every 9 years)      | No | Erosion of natural<br>deposits  |
| Radium (combined 226/228)<br>(pCi/L) | 0     | 5     | <0.4 | 2019<br>(Every 9 years)      | No | Erosion of natural deposits   |
| Gross Alpha (pCi/L)                  | 0     | 15    | 0.76 | 2019<br>(Every 9 years)      | No | Erosion of natural deposits   |
| Volatile Organic Compounds           |       |       |      |                              |    |   |
| 1,2,4-Trichlorobenzene (ppb)         | 70    | 70    | <0.5 | 27 Jun 22<br>(Every 6 years) | No | Discharge from textile factories  |
| cis-1,2-Dichloroethylene (ppb)       | 70    | 70    | <0.5 | 27 Jun 22<br>(Every 6 years) | No | Discharge from chemical factories                                       |
| Xylenes, Total (ppb)                 | 10000 | 10000 | <0.5 | 27 Jun 22<br>(Every 6 years) | No | Discharge from<br>petroleum and<br>chemical factories                   |
| Dichloromethane (ppb)                | 0     | 5     | <0.5 | 27 Jun 22<br>(Every 6 years) | No | Discharge from drug<br>and chemical<br>factories                        |
| o-Dichlorobenzene (ppb)              | 600   | 600   | <0.5 | 27 Jun 22<br>(Every 6 year)  | No | Discharge from<br>chemical factories                                    |
| p-Dichlorobenzene (ppb)              | 75    | 75    | <0.5 | 27 Jun 22<br>(Every 6 years) | No | Discharge from<br>chemical factories                                    |
| Vinyl Chloride (ppb)                 | 0     | 2     | <0.5 | 27 Jun 22<br>(Every 6 years) | No | Leaching from PVC<br>pipes; Discharge from<br>plastic factory           |
| 1,1 Dichloroethylene (ppb)           | 7     | 7     | <0.5 | 27 Jun 22<br>(Every 6 years) | No | Discharge from<br>chemical factories                                    |
| trans-1,2-Dichloroethylene (ppb)     | 100   | 100   | <0.5 | 27 Jun 22<br>(Every 6 years) | No | Discharge from<br>chemical factories                                    |
| 1,2-Dichloroethane (ppb)             | 0     | 5     | <0.5 | 27 Jun 22<br>(Every 6 years) | No | Discharge from chemical factories                                       |
| 1,1,1-Trichloroethane (ppb)          | 200   | 200   | <0.5 | 27 Jun 22<br>(Every 6 years) | No | Discharge from metal<br>degreasing sites and<br>other factories         |
| Carbon Tetrachloride (ppb)           | 0     | 5     | <0.5 | 27 Jun 22<br>(Every 6 years) | No | Discharge from<br>chemical plants and<br>other industrial<br>activities |
| 1,2-Dichloropropane (ppb)            | 0     | 5     | <0.5 | 27 Jun 22<br>(Every 6 years) | No | Discharge from<br>chemical factories                                    |

| Trichloroethylene (ppb)     | 0    | 5    | <0.5 | 27 Jun 22<br>(Every 6 years) | No | Discharge from metal<br>degreasing sites and<br>other factories                  |
|-----------------------------|------|------|------|------------------------------|----|--|
| 1,1,2-Trichloroethane (ppb) | 3    | 5    | <0.5 | 27 Jun 22<br>(Every 6 years) | No | Discharge from<br>chemical factories   |
| Tetrachloroethylene (ppb)   | 0    | 5    | <0.5 | 27 Jun 22<br>(Every 6 years) | No | Discharge from<br>factories and dry<br>cleaners                                  |
| Chlorobenzene (ppb)         | 100  | 100  | <0.5 | 27 Jun 22<br>(Every 6 years) | No | Discharge from<br>chemical and<br>agricultural chemical<br>factories             |
| Benzene (ppb)               | 0    | 5    | <0.5 | 27 Jun 22<br>(Every 6 years) | No | Discharge from<br>factories; Leaching<br>from gas storage<br>tanks and landfills |
| Toluene (ppb)               | 1000 | 1000 | <0.5 | 27 Jun 22<br>(Every 6 years) | No | Discharge from<br>petroleum factories  |
| Ethylbenzene (ppb)          | 700  | 700  | <0.5 | 27 Jun 22<br>(Every 6 years) | No | Discharge from<br>petroleum refineries   |
| Styrene (ppb)               | 100  | 100  | <0.5 | 27 Jun 22<br>(Every 6 years) | No | Discharge from<br>rubber and plastic<br>factories; Leaching<br>from landfills    |

| Contaminants<br>Inorganic Contaminants | <u>MCLG</u> | ACL   | <u>Your</u><br><u>Water</u> | <u>Sample Date</u><br>(Frequency) | <u>#</u><br><u>Above</u><br><u>ACL</u> | Violation | <u>Source</u>   |
|--|-------------|-------|-----------------------------|-----------------------------------|--|-----------|---|
| Copper (mg/L)<br>(20 samples taken)    | 0           | 1.3   | 0.0266                      | 14 August 24<br>(Every 3 years)   | 0                                      | No        | Corrosion of<br>household plumbing<br>systems; erosion of<br>natural deposits |
| Lead (mg/L)<br>(20 samples taken)      | 0           | 0.015 | <0.0005                     | 14 August 24<br>(Every 3 years)   | 0                                      | No        | Corrosion of<br>household plumbing<br>systems; erosion of<br>natural deposits |

| <u>Contaminants</u>                                      | MCLG   | <u>MCL</u> | <u>Your</u><br>Water | <u>Sample Date</u><br>(Frequency)   | Violation | <u>Typical Source</u>   |
|--|--------|------------|----------------------|-------------------------------------|-----------|---|
| Per- and polyfluoroalkyl substanc                        | es (PF | AS)        |                      |                                     | 1         |   |
| Perfluorooctanesulfonic Acid (PFOS)<br>(ng/L)            | 2      | 2          | 0.2                  | 25 Oct 21<br>(Awaiting<br>Guidance) | No        | Discharge from a group<br>of manmade chemicals<br>used for a variety of<br>residential,<br>commercial, and<br>industrial purposes |
| Perfluorooctanoic acid (PFOA) (ng/L)                     | 2      | 2          | 0.5                  | 25 Oct 21<br>(Awaiting<br>Guidance) | No        | Discharge from a group<br>of manmade chemicals<br>used for a variety of<br>residential,<br>commercial, and<br>industrial purposes |
| Hexafluoropropylene oxide dimer acid<br>(HFPO-DA) (ng/L) | 2      | 2          | 0.6                  | 25 Oct 21<br>(Awaiting<br>Guidance) | No        | Discharge from a group<br>of manmade chemicals<br>used for a variety of<br>residential,<br>commercial, and<br>industrial purposes |
| N-Ethylperfluorooctanesulfonamidoacetic<br>Acid (ng/L)   | 2      | 2          | 0.3                  | 25 Oct 21<br>(Awaiting<br>Guidance) | No        | Discharge from a group<br>of manmade chemicals<br>used for a variety of<br>residential,<br>commercial, and<br>industrial purposes |
| N-<br>Methylperfluorooctanesulfonamidoacetic<br>Acid     | 2      | 2          | 0.5                  | 25 Oct 21<br>(Awaiting<br>Guidance) | No        | Discharge from a group<br>of manmade chemicals<br>used for a variety of<br>residential,<br>commercial, and<br>industrial purposes |
| Perfluorobutanesulfonic Acid (PFBS)                      | 2      | 2          | 0.3                  | 25 Oct 21<br>(Awaiting<br>Guidance) | No        | Discharge from a group<br>of manmade chemicals<br>used for a variety of<br>residential,<br>commercial, and<br>industrial purposes |

| Perfluorodecanoic Acid (PFDA)        | 2 | 2 | 0.7 | 25 Oct 21<br>(Awaiting<br>Guidance) | No | Discharge from a group<br>of manmade chemicals<br>used for a variety of<br>residential,<br>commercial, and<br>industrial purposes |
|--------------------------------------|---|---|-----|-------------------------------------|----|---|
| Perfluorododecanoic Acid (PFDoA)     | 2 | 2 | 0.4 | 25 Oct 21<br>(Awaiting<br>Guidance) | No | Discharge from a group<br>of manmade chemicals<br>used for a variety of<br>residential,<br>commercial, and<br>industrial purposes |
| Perfluoroheptanoic Acid (PFHpA)      | 2 | 2 | 0.5 | 25 Oct 21<br>(Awaiting<br>Guidance) | No | Discharge from a group<br>of manmade chemicals<br>used for a variety of<br>residential,<br>commercial, and<br>industrial purposes |
| Perfluorohexanesulfonic Acid (PFHxS) | 2 | 2 | 0.3 | 25 Oct 21<br>(Awaiting<br>Guidance) | No | Discharge from a group<br>of manmade chemicals<br>used for a variety of<br>residential,<br>commercial, and<br>industrial purposes |
| Perfluorohexanoic Acid (PFHxA)       | 2 | 2 | 0.6 | 25 Oct 21<br>(Awaiting<br>Guidance) | No | Discharge from a group<br>of manmade chemicals<br>used for a variety of<br>residential,<br>commercial, and<br>industrial purposes |
| Perfluorononanoic Acid (PFNA)        | 2 | 2 | 0.5 | 25 Oct 21<br>(Awaiting<br>Guidance) | No | Discharge from a group<br>of manmade chemicals<br>used for a variety of<br>residential,<br>commercial, and<br>industrial purposes |

| 9C1-PF3ONS                                    | 2 | 2 | 0.2 | 25 Oct 21<br>(Awaiting<br>Guidance) | No | Discharge from a group<br>of manmade chemicals<br>used for a variety of<br>residential,<br>commercial, and<br>industrial purposes |
|---|---|---|-----|-------------------------------------|----|---|
| 4,8-Dioxa-3H-perfluorononanoic Acid<br>(DONA) | 2 | 2 | 0.3 | 25 Oct 21<br>(Awaiting<br>Guidance) | No | Discharge from a group<br>of manmade chemicals<br>used for a variety of<br>residential,<br>commercial, and<br>industrial purposes |
| Perfluorotetradecanoic Acid (PFTeA)           | 2 | 2 | 0.5 | 25 Oct 21<br>(Awaiting<br>Guidance) | No | Discharge from a group<br>of manmade chemicals<br>used for a variety of<br>residential,<br>commercial, and<br>industrial purposes |
| Perfluorotridecanoic Acid (PFTriA)            | 2 | 2 | 0.3 | 25 Oct 21<br>(Awaiting<br>Guidance) | No | Discharge from a group<br>of manmade chemicals<br>used for a variety of<br>residential,<br>commercial, and<br>industrial purposes |
| Perfluoroundecanoic Acid (PFUnA)              | 2 | 2 | 0.4 | 25 Oct 21<br>(Awaiting<br>Guidance) | No | Discharge from a group<br>of manmade chemicals<br>used for a variety of<br>residential,<br>commercial, and<br>industrial purposes |
| 11Cl-Pf3OUdS                                  | 2 | 2 | 0.4 | 25 Oct 21<br>(Awaiting<br>Guidance) | No | Discharge from a group<br>of manmade chemicals<br>used for a variety of<br>residential,<br>commercial, and<br>industrial purposes |

| Unit Descriptions      |  |
|------------------------|--|
| Term                   | Definition   |
| ng/L                   | ng/L: Number of nanograms of substance in one liter of water                           |
| ppm                    | ppm: parts per million, or milligrams per liter (mg/L)                                 |
| ppb                    | ppb: parts per billion, or micrograms per liter ( $\mu$ g/L)                           |
| ppt                    | ppt: parts per trillion, or nanograms per liter (ng/L)                                 |
| pCi/L                  | pCi/L: picocuries per liter (a measure of radioactivity)                               |
| positive samples/month | positive samples/month: Number of samples taken monthly that were found to be positive |
| NA                     | NA: not applicable   |
| NR                     | NR: Monitoring not required but recommended.   |

| Important Drinking Water Defir | nitions   |
|--------------------------------|---|
| Term                           | Definition  |
| 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.                                  |
| MCL                            | <b>Maximum Contaminant Level:</b> The highest level of a contaminant that is allowed<br>in drinking water. MCLs are set as close to the MCLGs as feasible using<br>the best available treatment technology. |
| ACL                            | Alternative Concentration Limit: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.  |

## For more information please contact:

Contact Name: Bioenvironmental Engineering Address: 201 Independence Drive, Building 1100, Room 1206 Columbus AFB, MS 39710-5300 Phone: (662) 434-2284

**Contact Name**: Columbus Light & Water **Phone**: 662-328-7192