

**MISSISSIPPI STATE DEPARTMENT OF HEALTH 2013 JUN 21 AM 9:41**  
**BUREAU OF PUBLIC WATER SUPPLY**  
**CCR CERTIFICATION FORM**  
**CALENDAR YEAR 2012**

Columbus AFB

Public Water Supply Name

0440018

List PWS ID #s for all Community Water Systems included in this CCR

The Federal Safe Drinking Water Act (SDWA) requires each Community public water system to develop and distribute a Consumer Confidence Report (CCR) to its customers each year. Depending on the population served by the public water system, this CCR must be mailed or delivered to the customers, published in a newspaper of local circulation, or provided to the customers upon request. Make sure you follow the proper procedures when distributing the CCR. **Since this is the first year of electronic delivery, we request you mail or fax a hard copy of the CCR and Certification Form to MSDH. Please check all boxes that apply.**

Customers were informed of availability of CCR by: (*Attach copy of publication, water bill or other*)

- Advertisement in local paper (attach copy of advertisement)
- On water bills (attach copy of bill)
- Email message (MUST Email the message to the address below)
- Other \_\_\_\_\_

Date(s) customers were informed: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

CCR was distributed by U.S. Postal Service or other direct delivery. Must specify other direct delivery methods used \_\_\_\_\_

Date Mailed/Distributed: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

CCR was distributed by Email (MUST Email MSDH a copy) Date Emailed: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

- As a URL (Provide URL \_\_\_\_\_)
- As an attachment
- As text within the body of the email message

CCR was published in local newspaper. (*Attach copy of published CCR or proof of publication*)

Name of Newspaper: Silverwings

Date Published: 6/14/13

CCR was posted in public places. (*Attach list of locations*) Date Posted: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

CCR was posted on a publicly accessible internet site at the following address (**DIRECT URL REQUIRED**):

http://www.columbus.af.mil/shared/media/document/AFD-130661-053.pdf

**CERTIFICATION**

I hereby certify that the 2012 Consumer Confidence Report (CCR) has been distributed to the customers of this public water system in the form and manner identified above and that I used distribution methods allowed by the SDWA. I further certify that the information included in this CCR is true and correct and is consistent with the water quality monitoring data provided to the public water system officials by the Mississippi State Department of Health, Bureau of Public Water Supply.

Rebekha Collins, Lt, USAF, BSC  
 Name/Title (President, Mayor, Owner, etc.)

18 June 2013  
 Date

Rebekha Collins  
Bioenvironmental Engineering  
 Deliver or send via U.S. Postal Service:  
 Bureau of Public Water Supply  
 P.O. Box 1700  
 Jackson, MS 39215

May be faxed to:  
 (601)576-7800

May be emailed to:  
Melanie.Yankowski@msdh.state.ms.us

Return Service:  
The Commercial  
Dispatch  
P.O. Box 511  
Columbus, MS  
39703

# SILVERWINGS

STANDARD MAIL  
U.S. POSTAGE  
PAID  
MAILED FROM  
ZIP CODE 39795  
PERMIT NO. 98  
RETURN SERVICE  
REQUESTED

Vol. 37, Issue 23

June 14, 2013

"Produce Pilots, Advance Airmen, Feed the Fight"

Columbus Air Force Base, Miss.

## Weather

**Today**  
High 90, Low 62  
Sunny

**Saturday**  
High 91, Low 65  
Sunny

**Sunday**  
High 94, Low 68  
Sunny

**Monday**  
High 94, Low 71  
Partly

## News Briefs

### AETC/CC and CCC Visit

Gen. Edward A. Rice Jr., Commander of Air Education and Training Command, and Chief Master Sgt. Gerardo Tapia Jr., Command Chief of Air Education and Training Command, are scheduled to visit Columbus Air Force Base June 17-18.

### 14th Comptroller Squadron Change of Command

The Change of Command ceremony for the 14th Comptroller Squadron will commence June 20 at 2:30 p.m. in the Columbus Club. Capt. (Maj. Select) Leticia Diaz will be relieving Maj. Jennifer Varga of command of the 14th CPTs.

### 14th Mission Support Group Change of Command

The Change of Command ceremony for the 14th Mission Support Group will take place June 27 at 9:14 a.m. at the Fire Department. Col. David Vaughn will be relieving Col. Scott Frickenstein of command of the 14th MSG.

## Inside



### Feature 8

SUPT Class 13-10 graduates today at 10 a.m. at the Kaye Auditorium.

## Economic Impact of CAFB on local economy

**Airman 1st Class Stephanie Englar**  
14th Flying Training Wing  
Public Affairs

Base and community leaders attended a Base Community Council luncheon June 7 at the Columbus Club on Columbus Air Force Base. The main subject of the luncheon was to cover the economic impact for Columbus Air Force Base for the 2012 fiscal year.

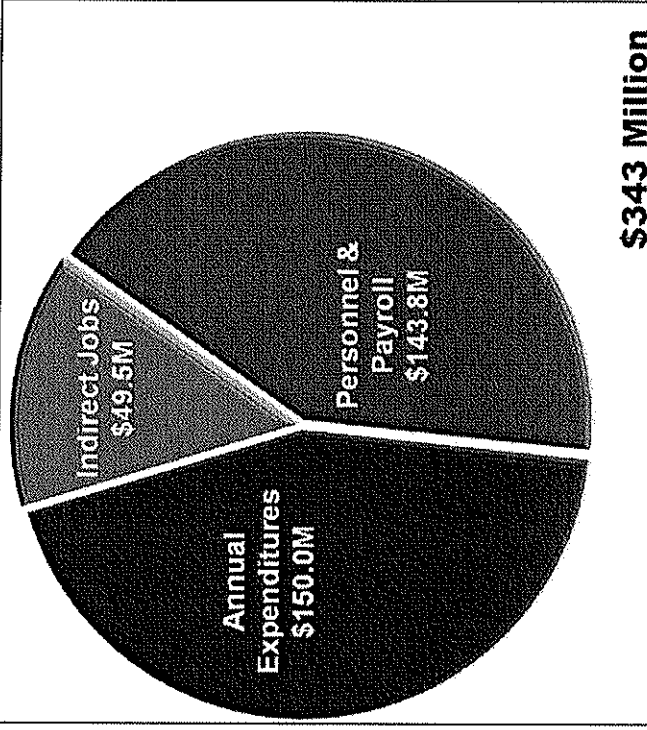
The mission for Columbus Air Force Base is to produce pilots, advance airmen, and feed the fight. In order to complete this vital task, Columbus AFB flies approximately 267 sorties a day—making our air traffic control complex the busiest in the United States Air Force for three of the last four years.

Last year, Columbus AFB graduated 420 officers through all of the flying training programs and sent another 31 student pilots to other bases to finish their training. Columbus AFB flew 58,850 sorties and 81,603 hours in the 2012 fiscal year.

Between personnel and payroll, indirect jobs and annual expenditures the economic impact for Columbus AFB was \$343.2 million for the 2012 fiscal year.

Columbus AFB saw an increase of 625 personnel since the 2011 fiscal year, which brought the total work force up to 3,672. Of that number, 1,591 are military members, 1,297 are contract personnel, 497 are civil service workers, 141 are workers with Non-Appropriated funds, 57 AAFES workers, 38 Commissary workers and 11 workers from the Credit Union.

In 2012, personnel accounted for \$143.8 million in payroll expenditures. This is up \$3.6 million from 2011, as there was an increase of contract jobs.



**\$343 Million**

**Between Personnel and Payroll, Indirect Jobs and Annual Expenditures the Economic Impact for Columbus AFB was \$343.2 million for the 2012 fiscal year.**

U.S. Air Force Graphic

Along with the jobs created on base, there were 1228 indirect jobs created. Indirect jobs are jobs created on the local economy in order to support Columbus AFB and its personnel with sufficient goods and services. Indirect jobs accounted for \$2.4 million in payroll expenditures for the 2012 fiscal year.

While not a part of the \$343 million economic impact, there are 5,714 military retirees who contribute to the local

economy. Of those retirees, 2,690 are Army, 1,945 are Air Force, 868 are Navy, 167 are Marines and 44 are Coast Guard.

Annual Expenditures accounted for \$150 million in the overall economic impact. For the 2012 fiscal year, the amount spent on construction projects increased \$62.3 million, primarily due to the center runway construction and the medical

See ECONOMIC IMPACT, Page 3

## COLUMBUS AFB TRAINING TIMELINE

### PHASE II

Squadron	Senior Class	Squadron Overall
37th (14-04)	-1.02 days	-2.77 days
41st (14-05)	-5.63 days	-0.43 days

The SUPT Class 13-10 Graduation speaker is Col. Alan Hunt, Associate Dean of Resident Programs, Air War College, Maxwell Air Force Base, Ala.

### PHASE III

Senior Class	Squadron Overall
49th (13-10C)	-1.83 days
49th (13-11)	0.25 days

### IFF

Senior Class	Squadron Overall
341	-1.55 days
332	-1.55 days

### WING SORTIE BOARD

Aircraft	Required	Flown	Annual
T-6	1,177	1,633	19,038
T-1	223	305	7,062
T-38	341	326	8,042
IFF	332	174	2,482

# The new key to Airpower

By Col. James Hat

46th Flying Training Squadron Commander Search Key to Airpower: many mission assets emerge and you will undoubtedly discover that the key to Airpower is flexibility, and that the key to flexibility is education. It is time that we, as Air Force leaders, take the internet can be wrong. Flexible is not the only key to Airpower. Rather, I suggest that the key to Airpower is education. Flexible is not the only key to Airpower. Rather, I suggest that the key to Airpower is education. Flexible is not the only key to Airpower. Rather, I suggest that the key to Airpower is education.

For the United States Air Force to fly, fight and win, it must have the right people in the right places. The right people are those who are trained, motivated and equipped to do the job. The right places are those where they can do the job best. The right people in the right places is the key to Airpower.

Education is the key to Airpower. It is the key to flexibility, and flexibility is the key to Airpower. Education is the key to Airpower. It is the key to flexibility, and flexibility is the key to Airpower. Education is the key to Airpower. It is the key to flexibility, and flexibility is the key to Airpower.

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## VIEWPOINT

### Keeping service in perspective

Chief Master Sgt. James Powell  
97th Medical Group

As I sit in my office, I think about the many years I've spent in the Air Force. I've seen many changes, but one thing is true: the Air Force has always been a place of service. Service to our country, service to our fellow Airmen, and service to our customers.

Over the past several years, I've heard the full arm of reasons from the events of 9/11 to the challenges we face today. I've seen the Air Force adapt and grow. I've seen the Air Force embrace change and innovation. I've seen the Air Force lead the way in many areas, from technology to operations.

Let me start by saying that I am not against tuition assistance or any other benefit that the Air Force has given its members. I am grateful for the support that the Air Force has provided. I am grateful for the opportunity to serve in the Air Force and for the many challenges that we have overcome.

I am convinced that we have different attitudes toward service, such as education benefits or service of family, particularly for the Air Force. I see the word "service" used in many different ways. I see it used to describe the service of our country, the service of our fellow Airmen, and the service of our customers.

As Air Force members, we sometimes have a tendency to take things for granted. We have no problem when the first and 15th of the month come around and our paychecks are waiting for us on the table. We have a look at our pay and think, "Well, that's what I get for my service."

What decisions are you making? You can make a choice to be a member of the Air Force. You can choose to be a leader. You can choose to be a servant. You can choose to be a warrior. You can choose to be a peacemaker. You can choose to be a leader, a servant, a warrior, or a peacemaker.

Education is the key to Airpower. It is the key to flexibility, and flexibility is the key to Airpower. Education is the key to Airpower. It is the key to flexibility, and flexibility is the key to Airpower. Education is the key to Airpower. It is the key to flexibility, and flexibility is the key to Airpower.

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Produce Pilots, Advance Airmen, Feed the Fight

### Columbus AFB 2012 Water Quality Report

14th Medical Operations Squadron

Is my water safe?

We are pleased to present this year's Annual Water Quality Report (Consumer Confidence Report) as required by the Safe Drinking Water Act (SDWA). This report provides information about the quality of the water you receive from Columbus AFB. The 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.

Do I need to take special precautions?

Some people are more susceptible to contaminants in drinking water than others. These include immunocompromised 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/CDCs for Disease Control (CDC) advises that people who are immunocompromised should boil their water and filter it through a water filter that is certified to remove cysts and other microbial contaminants to be responsible from the Safe Drinking Water Act (SDWA).

Where does my water come from?  
The base water supply is treated and distributed by Columbus AFB Water Utility Company (CUBWU). The water is drawn from the Columbus AFB 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  
The source water assessment has been completed for our public water system. The assessment is a study of the ability of the drinking water supply to identify potential sources of contamination. This source water assessment can be found in the Columbus Light and Water July 2011 newsletter.

Why are there contaminants in my drinking water?  
Drinking water, including bottled water, may naturally be expected to contain a few small amounts of substances. The presence of contaminants does not necessarily indicate that the water is unsafe to drink. More information about contaminants and recent health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (800-426-4791).

See WATER, Page 8

### Letter to Airmen from USAF Chief of Staff

Letter to Airmen

Thank you for the great help in the development of the new Air Force. As you know, Airpower is an undelivered "big time" force multiplier. The Air Force is the only force that can deliver this force multiplier. The Air Force is the only force that can deliver this force multiplier. The Air Force is the only force that can deliver this force multiplier.

To provide a recap of what we received, most of the ideas, 35 percent, affect personnel policy, 23 percent involved logistics and installation support and 11 percent recommended changes in information technology. Next, in order of the most significant, we received recommendations for health services and acquisition. Recommended changes in personnel management, financial management, health services and acquisition. Recommended changes in personnel management, financial management, health services and acquisition. Recommended changes in personnel management, financial management, health services and acquisition.

As there are approved and implemented, I will continue to share them. In the meantime, I want to share some stories I have received about some of the amazing initiatives our Airmen are undertaking on the front lines. These stories are a testament to the dedication and hard work of our Airmen. These stories are a testament to the dedication and hard work of our Airmen.

Some of the change happens because Airmen believe there might be a better way to get the job done and that's what happens. Airmen believe there might be a better way to get the job done and that's what happens. Airmen believe there might be a better way to get the job done and that's what happens. Airmen believe there might be a better way to get the job done and that's what happens.

Then there are surprises like Stacy Burgess, from the 9th Comptrol Squadron, at Air Force Base. Stacy, you know, the one who was instrumental in the development of the new Air Force. Stacy, you know, the one who was instrumental in the development of the new Air Force. Stacy, you know, the one who was instrumental in the development of the new Air Force.

Air Mobility Command's (AMC) Theater Express program is also a prime example of how a team can achieve significant cost savings. Air Mobility Command's (AMC) Theater Express program is also a prime example of how a team can achieve significant cost savings. Air Mobility Command's (AMC) Theater Express program is also a prime example of how a team can achieve significant cost savings.

While you were out there, you were responsible for the success of the new Air Force. You were responsible for the success of the new Air Force. You were responsible for the success of the new Air Force. You were responsible for the success of the new Air Force.

I encourage you to keep thinking about how we can accomplish our mission faster, better, and cheaper. Today's fiscal constraints are the toughest our Air Force has experienced in many years. Your extraordinary response during the Air Force Innovation Call for ideas has emboldened all with confidence that our Air Force will persevere through these tough times and emerge a more effective and efficient fighting force for America.

LARRY O. SPENCER  
Chief of Staff

**WATER**

(Continued from page 7)

**Contact Information**

If you have any questions, please contact: Columbus Light and Water at (514) 412-1212. Monthly through Friday from 8 a.m. to 5 p.m., and (514) 376-5122. If you want to learn more about the water supply, please contact: Public Water Supply, 1000 Boulevard de la Capitale, 3rd floor, Montreal, Quebec H3T 2M4. For more information, please contact: Public Water Supply, 1000 Boulevard de la Capitale, 3rd floor, Montreal, Quebec H3T 2M4. For more information, please contact: Public Water Supply, 1000 Boulevard de la Capitale, 3rd floor, Montreal, Quebec H3T 2M4.

**Water Quality Data Table**

Date	Turbidity (NTU)		Total Solids (mg/L)		Total Hardness (mg/L)		Calcium (mg/L)		Magnesium (mg/L)		pH		Dissolved Oxygen (mg/L)		Temperature (°C)	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
Jan 2013	0.5	1.5	100	200	150	250	100	150	50	100	7.5	8.5	10	12	10	15
Feb 2013	0.5	1.5	100	200	150	250	100	150	50	100	7.5	8.5	10	12	10	15
Mar 2013	0.5	1.5	100	200	150	250	100	150	50	100	7.5	8.5	10	12	10	15
Apr 2013	0.5	1.5	100	200	150	250	100	150	50	100	7.5	8.5	10	12	10	15
May 2013	0.5	1.5	100	200	150	250	100	150	50	100	7.5	8.5	10	12	10	15
Jun 2013	0.5	1.5	100	200	150	250	100	150	50	100	7.5	8.5	10	12	10	15
Jul 2013	0.5	1.5	100	200	150	250	100	150	50	100	7.5	8.5	10	12	10	15
Aug 2013	0.5	1.5	100	200	150	250	100	150	50	100	7.5	8.5	10	12	10	15
Sep 2013	0.5	1.5	100	200	150	250	100	150	50	100	7.5	8.5	10	12	10	15
Oct 2013	0.5	1.5	100	200	150	250	100	150	50	100	7.5	8.5	10	12	10	15
Nov 2013	0.5	1.5	100	200	150	250	100	150	50	100	7.5	8.5	10	12	10	15
Dec 2013	0.5	1.5	100	200	150	250	100	150	50	100	7.5	8.5	10	12	10	15

**Additional Information for Lead**

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. Columbus Air Force Base is responsible for providing high quality drinking water, but cannot control the water supply. To reduce lead in your water, you can improve the potential for lead exposure by flushing your tap water 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/lead>.

**Fluoridation**

To comply with the "Regulation Governing Fluoridation of the Community Water Supplies," Columbus Light and Water is required to report certain results pertaining to the fluoridation of public water supply. The water metered in the previous calendar year that was within the optimal range of 0.7 to 1.3 ppm was 96 percent.

**APRIL 1, 2013 MESSAGE FROM MSDH CONCERNING RADIOLOGICAL SAMPLING**

In accordance with Radiological Rule, all community public water supplies were required to sample quarterly for radionuclides from January 2007 to December 2007. Your public water supply completed sampling by the scheduled deadline. The results of the sampling are available on the Department of Health's website at <http://www.health.state.nh.us/radiological>. Although this was not the result of a routine public water supply, MSDH was required to issue a violation. This is to notify you that as of this date, your water system has not completed the monitoring requirements. The Bureau of Public Water Supply has taken action to ensure that your water system be returned to compliance by March 31, 2013. If you have any questions, please contact Melissa Parker, Deputy Director, Bureau of Public Water Supply, at (603) 318-7518.

**Predator Pilots, Advance Alarms, Feed the Eight**

**School Liaison Officer**  
The Columbus Air Force Base School Liaison Officer is responsible for providing information to parents and students on education for children of military and second education for the children of civilians. All personnel (military, civilian, and contractor) are required to complete a School Liaison Officer course. The course is available at the Columbus Air Force Base. The course is available at the Columbus Air Force Base. The course is available at the Columbus Air Force Base.

**Home School Registration**

The School Liaison Office would like to inform parents of the State of Mississippi law regarding home school registration. All parents who are teaching their children at home (home school) are required to complete a certificate of enrollment. The certificate is available at the Columbus Air Force Base. The certificate is available at the Columbus Air Force Base.

**Base Thrift Shop**

The Base Thrift Shop is open on Tuesdays and Thursdays from 8 a.m. to 4 p.m. The shop offers a variety of clothing, household items, and more. The shop is located at the Columbus Air Force Base. The shop is located at the Columbus Air Force Base.

**Alman's Affix**

The Air Force Base is currently seeking members for the Air Force Reserve. The Air Force Reserve is a part of the United States Air Force. The Air Force Reserve is a part of the United States Air Force.

**Contraceptive Counseling Class**

There are currently many safe and effective options for preventing adolescent pregnancy. The Air Force Base is currently offering a contraceptive counseling class. The class is available at the Columbus Air Force Base. The class is available at the Columbus Air Force Base.

**Pre-Preparation Counseling (DD Form-2648)**

DD Form-2648 is a form used for pre-preparation counseling. The form is available at the Columbus Air Force Base. The form is available at the Columbus Air Force Base.

**FREE Computerized CLEP Exams**

The Mississippi State University Assessment and Testing Center is offering free computerized CLEP exams. The exams are available at the Columbus Air Force Base. The exams are available at the Columbus Air Force Base.

**IGR Mobility Individual Proficiency Training**

The IGR Mobility Individual Proficiency Training is a course for military personnel. The course is available at the Columbus Air Force Base. The course is available at the Columbus Air Force Base.

**DMRO**

DMRO is a program for military personnel. The program is available at the Columbus Air Force Base. The program is available at the Columbus Air Force Base.

**Lost Look Area**

The Lost Look Area is a program for military personnel. The program is available at the Columbus Air Force Base. The program is available at the Columbus Air Force Base.

**Volunteer Opportunities**

There are many volunteer opportunities available at the Columbus Air Force Base. The opportunities are available at the Columbus Air Force Base.

**Protestant Community**

The Protestant Community is a group of military personnel. The community is available at the Columbus Air Force Base. The community is available at the Columbus Air Force Base.

**COMMUNITY**

**FREE Computerized CLEP Exams**  
The Mississippi State University Assessment and Testing Center is offering free computerized CLEP exams. The exams are available at the Columbus Air Force Base. The exams are available at the Columbus Air Force Base.

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**SILVER WINGS**

Commence with all web-based testing available through Military Homefront. Call 434-2792 for more information.

**Multiple Group**

There are multiple testing locations available for military personnel. The locations are available at the Columbus Air Force Base. The locations are available at the Columbus Air Force Base.

**Hearts Apart Social**

Hearts Apart Social is a program for military personnel. The program is available at the Columbus Air Force Base. The program is available at the Columbus Air Force Base.

**Wing Newcomers Orientation**

Wing Newcomers Orientation is a program for military personnel. The program is available at the Columbus Air Force Base. The program is available at the Columbus Air Force Base.

**Volunteer Orientation/Training**

Volunteer Orientation/Training is a program for military personnel. The program is available at the Columbus Air Force Base. The program is available at the Columbus Air Force Base.

**Smooth Move**

Smooth Move is a program for military personnel. The program is available at the Columbus Air Force Base. The program is available at the Columbus Air Force Base.

**TAP/OPS Workshop**

TAP/OPS Workshop is a program for military personnel. The program is available at the Columbus Air Force Base. The program is available at the Columbus Air Force Base.

**Protestant Community**

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**WATER**

(Continued from page 7)

**Contact Information**

If you have any questions, please contact Columbus Light and Water at 251-4512, Monday through Friday from 8 a.m. to 5 p.m., and ask for Steve Barksdale. If you want to learn more, please attend any of Columbus Light and Water's regularly scheduled meetings. Meetings are held on the third Thursday of each month at 12:30 p.m. at 420 Fourth Avenue South (CL&W Main Office). Answers to questions about Columbus AFB water can also be directed to Bioenvironmental Engineering (BE) at 434-2285.

**Additional Information for Lead**

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. Columbus Air Force Base 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>.

**Fluoridation**

To comply with the "Regulation Governing Fluoridation of the Community Water Supplies", Columbus Light and Water is required to report certain results pertaining to the fluoridation of the water system. The number of months in the previous calendar year that average fluoride sample results were within the optimal range of 0.7 to 1.3 parts per million was 11. The percentage of fluoride collected in the previous calendar year that was within the optimal range of 0.7 to 1.3 ppm was 96 percent.

**\*\*APRIL 1, 2013 MESSAGE FROM MSDH CONCERNING RADIOLOGICAL SAMPLING\*\***

In accordance with Radionuclides Rule, all community public water supplies were required to sample quarterly for radionuclides from January 2007 to December 2007. Your public water supply completed sampling by the scheduled deadline however, during the audit of the Mississippi State Department of Health Laboratory, the Environmental Protection Agency (EPA) suspended analyses and reporting of radiological compliance samples and results until further notice. Although this was not the result of inaction by the public water supply, MSDH was required to issue a violation. This is to notify you that as of this date, your water system has not completed the monitoring requirements. The Bureau of Public Water Supply has taken action to ensure that your water system be returned to compliance by March 31, 2013. If you have any questions, please contact Melissa Parker, Deputy Director, Bureau of Public Water Supply, at (601) 576-7518.

2013 JUN 21 AM 9:41

**Water Quality Data Table**

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of contaminants in water provided by public water systems. The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. Although many more contaminants were tested, only those substances listed below were found in your water. 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 low naturally occurring mineral may actually 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 us to monitor 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 have provided the definitions beside the table.

Contaminant	MCLG or MRDLG	MCL or MRL	Your Water	Range Low/High	Sample Date	Violation	Typical Source
<b>Disinfectants &amp; Disinfection By-Products</b> (There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants)							
Haloacetic Acids (HAA5) (ppb)	NA	80	2.0	NA	2012	No	By-product of drinking water disinfection
THMs (Total Trihalomethanes) (ppb)	NA	80	8.26	NA	2011	No	By-product of drinking water disinfection
Chlorine (as Cl <sub>2</sub> ) (ppm)	4	4	1.30	0.10 - 2.50	2012	No	Water additive used to control microbes
<b>Inorganic Contaminants</b>							
Barium (ppm)	2	2	0.1553	NA	2012	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Antimony (ppm)	0.005	0.005	<0.0005	NA	2012	No	Discharge from petroleum refineries, fire retardants; ceramics, electronics; solder; test addition
Arsenic (ppm)	NA	0.010	<0.0005	NA	2012	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Beryllium (ppm)	0.004	0.004	<0.0005	NA	2012	No	Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries
Cyanide (ppm)	0.2	0.2	<0.015	NA	2012	No	Discharge from steel metal factories; discharge from plastic and fertilizer factories
Cadmium (ppm)	0.005	0.005	<0.0005	NA	2012	No	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; Runoff from waste batteries and plants
Chromium (ppm)	0.1	0.1	0.0123	NA	2012	No	Discharge from steel and pulp mills; Erosion of natural deposits
Mercury (ppm)	0.002	0.002	<0.0005	NA	2012	No	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland
Fluoride (ppm)	4	4	0.855	NA	2012	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Selenium (ppm)	0.05	0.05	<0.0025	NA	2012	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines
Thallium (ppm)	0.002	0.002	<0.0005	NA	2012	No	Leaching from ore-processing sites; Discharge from electronics, glass, and drug factories
Nitrate (measured as Nitrogen) (ppm)	10	10	0.06	NA	2011	No	Runoff from fertilizer use; Leaching from septic tanks; sewage; Erosion of natural deposits
Nitrite (measured as Nitrogen) (ppm)	1	1	0.02	NA	2011	No	Runoff from fertilizer use; Leaching from septic tanks; sewage; Erosion of natural deposits
<b>Microbiological Contaminants</b>							
Total Coliform (positive samples/month)	0	1	1	NA	2012	Yes	Naturally present in the environment
Monitoring violation during 06/01/12 - 06/30/2012. Public notice completed							
<b>Radioactive Contaminants</b>							
Uranium (ug/L)	0	30	0.41	NA	2009	No	Erosion of natural deposits
Radium (combined 226/228) (pCi/L)	0	5	0.504	NA	2009	No	Erosion of natural deposits
Alpha Emitters (pCi/L)	0	15	1.05	NA	2009	No	Erosion of natural deposits
<b>Organic Contaminants</b>							
Copper - action level at consumer (aps) (ppm)	1.3	1.3	0	2010	0	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead - action level at consumer (aps) (ppb)	0	15	2	2010	1	No	Corrosion of household plumbing systems; Erosion of natural deposits

**Unit Descriptions**

**Term Definition**  
ug/L — ug/L: Number of micrograms 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 (ug/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  
ND — ND: Not detected  
NR — NR: Monitoring not required, but recommended.

**Important Drinking Water Definitions**

**Term Definition**  
MCLG — 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 — 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.  
TT — TT: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.  
AL — AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.  
Variances and Exemptions — Variances and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions.  
MRDLG — MRDLG: Maximum Residual Disinfection Level Goal: 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.  
MRDL — 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.  
MNR — MNR: Monitored Not Regulated  
MPL — MPL: State Assigned Maximum Permissible Level

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